KNX Catalogue

Plan for intelligent Future Safety

Building Control Systems

Schneider Electric

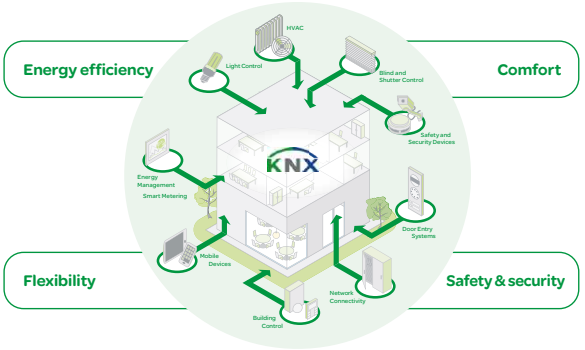
building control has got to be easy and intelligent

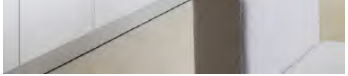
in order to allow for flexible room usage over several decades, it is necessary for building functions to be adapted to the users' requirements easily in a cost-effective way – without the need for walls to be opened up and new cables to be laid.

To let residents feel as safe as possible, building technology must be able to react in a fast and intelligent way in any situation and at any time. No matter whether the building is full of life or quiet.

Combining building control with the technologies of the future

KNX combines modern building technologies in one system





Time savings

By networking all components via a single bus, it is possible to simplify the cable routing, Additional components can be integrated into the existing bus system without requiring further installation work.

Greater safety, security, comfort and efficiency in all building types

Comfort, safety and security in private homes

In private homes, the priority is on control convenience with high levels of safety and security. KNX conveniently connects different utilities together, realising comfortable solutions that are easy to operate and have intelligent functions for when the residents are not at home. Intelligent light and scene control provides the householders with a good feeling of safety and security – day and night.

Furthermore, the possibilities of KNX do not end at the boundaries of the property. Many functions can also be controlled from mobile devices or PCs by online access.

Flexibility and efficiency in offices and public buildings

Flexibility and cost efficiency are particularly important when it comes to commercial buildings. Due to their large number of differently used areas, offices and public buildings offer plenty of scope for significant energy-savings.

Automated building control can be perfectly adapted to the behaviour of users, and changed at any time in a straightforward procedure without any major expense.

means that optimum working conditions can be achieved at any time. Unnecessary energy consumption is prevented by ensuring that loads are switched off automatically.

A KNX installation in the office raises the degree of comfort and transparency and saves energy at the same time

Open-plan office

Flexible lighting control

It is a normal situation in open-plan offices that employees do not leave their workplaces at the same time in the evening, but in dribs and drabs. Presence detectors over the desk clusters detect when areas are no longer being used, and then automatically deactivate the lighting. Constant lighting control ensures an ideal lighting situation from morning to evening.

Conference room

Presentation mode at the push of a button

With KNX, it is amazingly easy to prepare a presentation. At the push of a button, the lighting is dimmed in the entire conference room, the blinds and the presentation screen are lowered, the sound system and the beamer are activated, and the heating or air conditioning are set to the required temperature. And if the meeting turns out to be a long one, CO_2 sensors automatically activate the ventilation system.

spaceLYnk

ARGUS presence detector

KNX push-button plus with room temperature control unit

OptiLine

KNX offers various control modes: manual, automatic, or mobile

Entrance area

Greater safety and security with central functions

It gives you a good feeling when you can see at a glance on leaving a building that everything is OK. A Touch Panel in the entrance hall provides an overview of the building status and allows central functions such as the "presence simulation" or "central off". Selected loads such as the lighting or appliances connected to socket-outlets can be integrated in functions of this kind. When the householders are absent, sensors detect storms or excessive sunlight and automatically activate awnings and blinds in the relevant areas as a protective measure.

Living room

Individual living comfort

Whether you plan to spend your evening playing games, watching TV or reading, or to have a cosy get-together with friends – every situation can be enhanced with an individual KNX scene. At the push of a single button, all required functions are activated at the same time: blinds are lowered, mood lighting is switched on and the room is heated or air-conditioned to just the right temperature. At the end of the evening, all functions can be switched off at the push of a button, thus putting the entire home into energy-saving night mode.

SpaceLogic KNX Touch IP 7

KNX push-button plus with room temperature control unit

Flush-mounted movement detector

Systematic building control

As a global standard in building system technology, KNX offers unique advantages for all users. By intelligently linking together distributed system components via a bus system, it is possible to offer not only many more possibilities than in a conventional installation but also significant potential in the areas of energy efficiency, safety, security and comfort.

KNX guarantees that all components are compatible

Future-proof industry standard

KNX is the world's open standard for house and building system technology. In Europe, KNX is established in the EN 50491 and CEN EN 13321-1 and 13321-2 standards, and internationally by the ISO/IEC 14543-3 standard. In China, it corresponds to the GB/Z 20965 standard, and in the USA to the ANSI/ASHRAE 135 standard. KNX is thus a globally a globally valid as well as applied standard. All KNX products from all manufacturers are certified by the KNX association. This means all components are guaranteed to be compatible and future-proof, across all manufacturers. The Engineering Tool Software (ETS) simplifies the tasks of project planning and commissioning of all KNX-certified products.

A successful system in figures

The total of around 300 members in 33 countries speaks for itself. At present, there are more than 7,000 certified product groups, and about 70,000 projects have been implemented to date. This corresponds to more than 15 million installed KNX products. Today, there are already more than 30,000 ETS users who have been trained in one of the 150 training centres worldwide. Training and development of KNX are supported by 60 partners from the business and training establishments.

A strong partner for KNX solutions

Schneider Electric, the global specialist for energy-efficient solutions, offers a complete assortment of KNX products – from the strong design of the control interface through to all necessary DIN rail system components. All energy-saving solutions can be harmonised with one another in order to compose the right system for every need.

The intelligent bus principle

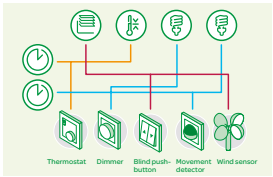
In conventional electrical installations, the control functions are mostly carried over the load cables. This means each function needs its own control cable. The intelligent solution is achieved by the installation bus which carries all the control signals in a building, thus making subsequent changes easy to implement.

Simply intelligent: an installation bus carries all control signals within a building

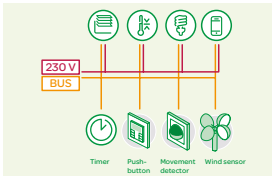
One bus for maximum flexibility

As part of a conventional electrical installation, it is necessary to specify how and where household systems are to be controlled prior to the building work. A KNX installation is flexible, because all functions can be changed and expanded at any time.

The two-wire installation bus routed in parallel to the 230 V electrical power supply connects all devices and systems of the household technology together, and transmits all the control signals. This is based on fast transmission rates with the highest levels of immunity to interference.



The conventional solution:
many separate lines, meaning less flexibility



The intelligent KNX solution:
the bus carries out all control functions for maximum flexibility

The system components

All the devices for a KNX installation are connected together by a bus, thus allowing them to exchange data. The function of the individual bus devices is determined by their project planning, which can be changed and adapted at any time.

A KNX system is modular and flexible

System devices and components

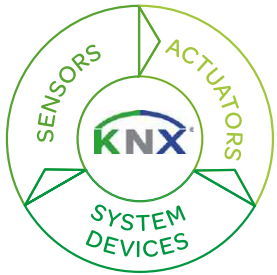
They are needed for the fundamental functioning of the system. They consist of power supply units for generating bus voltage, couplers for connecting bus segments and interfaces for connecting programming devices.

Sensors

These are the starting point for every action, because they gather information and send it on the bus as a data telegram. This can be information about room temperatures, movements, wind measurements or manually input instructions.

Actuators

They receive data which are then converted into actions. This can include controlling blinds, dimming lights or controlling heating and air conditioning systems.



System devices (selection)


Power supply unit


KNX logic module


USB interface REG-K


Line coupler


SpaceLogic KNX IP Router


Wiser for KNX

Sensors (selection)


KNX push-button


Movement detector


Room temperature control unit


Binary input


Anemometer

Actuators (selection)


Switch actuator


Dimming actuator


Heating actuator


Blind actuator


KNX DALI-Gateway

SpaceLogic KNX Touch IP 7

Saving and evaluating energy data

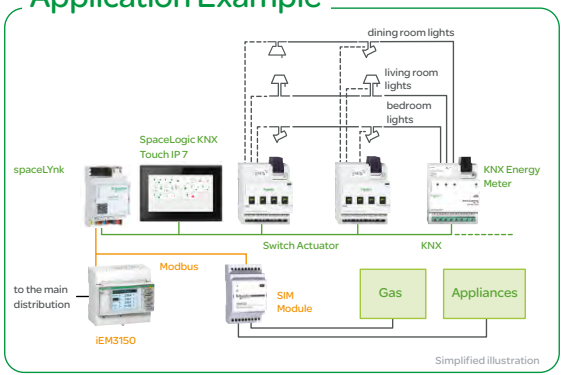
The energy data can be measured and recorded, and then displayed as graphs. The longer the time frame of energy recording, the more precisely a building can be evaluated in terms of energy.

Devices with a high energy consumption can easily be identified, and their consumption can be immediately optimised.

KNX and Modbus: an intelligent combination

The KNX Metering Gateway combines the expertise of the Modbus open standard with KNX intelligent building control. Measured values of up to 10 meters with a Modbus interface and connected SIM modules for recording gas and water consumption via impulse can be integrated into the KNX Energy Management, thus enabling comprehensive analysis of consumption.

Application Example



Simplified illustration

and inexpensively

conference through to presentation mode. It is easy to reconfigure individual KNX scenes, even when individual employees change locations.

Changing the use of rooms and floors

Whether a private home, an office complex or a hotel – the KNX structure can be adapted and

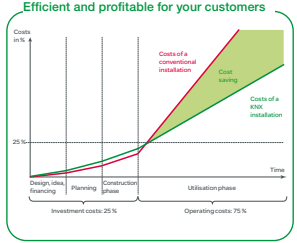
functions. Functional buildings with a KNX installation are especially attractive because it is easy to gear them up for new requirements; consequently, they remain straightforward to let or sell. Thanks to the comfortable configuration with ETS, it is quick, easy and inexpensive to make changes of function – from the single room to the entire office floor.

Factors that are decisive for the cost efficiency of a KNX installation include the ongoing operational costs and, in particular, the investment costs, compared to conventional systems. The required range of functions is quite decisive in this case, because KNX will very quickly make itself pay if the functions go beyond those possible from a conventional solution.

With KNX, it is possible to save up to 30% operating costs in the long term

When it comes to a comparison between the investment costs of a KNX system and those of a conventional installation, what counts is the required range of functions. Often, even simple scene functions can be implemented more cost-effectively with KNX than on a conventional basis. One aspect to remember with regard to investment costs concerns the lower operating costs. As time goes by, building management requirements will change: private homes will be inhabited by several generations, rooms in commercial objects are put to different uses in their lifetime due to reorganisation or new tenants. Whereas a change of use or an expansion of a conventional installation is complicated and expensive, the flexibility of a KNX system pays off due to the minimum level of complexity. KNX opens the door to many possible savings in terms of a building's operating costs. From demand-related lighting control to energy management, the potential savings are determined by the depth of use.

Efficient and profitable for your customers



Schneider Electric

look and feel

Enables control of
two functions per display

The familiar KNX system devices, actuators and sensors are now complemented by the new KNX Multitouch Pro and KNX Push-button Pro – two new user interfaces that provide more functions and flexibility than a conventional range of multi-function push-buttons. They are also easy to install and commission, saving you valuable time.

In touch with comfort

The new KNX Multitouch Pro and Pushbutton Pro user interfaces are the perfect addition to modern KNX installations. They feature a high-quality design that sits perfectly flush in D-Life frames and an operating interface that has a similar look and feel to that of a smartphone or tablet. Incorporating innovative technology, this range delivers the ultimate in convenient operation and flexible control for room comfort functions.

KNX Multitouch Pro and
KNX Push-button Pro,
D-Life Metal, nickel metallic

KNX Push-button Pro

High-quality design and intuitive operability – the new KNX Push-button Pro concentrates on what is essential.
The individual touch-sensitive zones of the sensor cover are shown using illuminated function icons that shine through the translucent surface and emphasize the high-quality look of the new push-button.

The sensor cover is available in in all the System D colors.
Up to four light, shutter and scenario functions can be controlled using the KNX Push-button Pro. This means that, in combination with the KNX Multitouch Pro, it offers the perfect solution for intuitive and flexible room control at home or in commercial spaces.

Customizable

The foil set included with the KNX Push-button Pro interface allows you to clearly and professionally label basic functions. A blank carrier foil can also be used to add individual symbols as required.

Individual symbols for use with carrier foil

ETS express settings for the KNX Push-button Pro.

KNX push-button 4-gang plus with room temperature control unit

KNX push-button 4-gang plus

KNX push-button 4-gang plus with IR receiver

Push-button modules

Push-button 1-gang

Push-button with 1/0 imprint 1-gang

Push-button 2-gang

Push-button with 1/0 imprint and up/down arrows 2-gang

KNX Movement and presence detectors

KNX ARGUS movement detector 180, flush-mounted

KNX ARGUS movement detector 180/2.20, flush-mounted

KNX ARGUS presence detector, flush-mounted

KNX movement detector

Example: Altira

KNX push-buttons

KNX push-button

KNX push-button with IR receiver

KNX push-button, 2-gang

KNX room temperature control unit

KNX Movement and presence detectors

KNX movement detector

- Easy integration and configuration of ZigBee wireless devices
- Automatic upgrade of the firmware of the Hybrid Module and connected ZigBee wireless devices so the installation is always well maintained and up to date

Supply voltage: DC 24 V
Display elements: LED bicolor (Red/Orange)
Interfaces: Antenna, RS232 communication (TX, RX, GND) and DC 24 V power supply(-/+)
Ambient temperature operation: 0°C to +45°C
Device width: 1 modules = approx. 18 mm

Antenna
Transmitting frequency: 2405 MHz ... 2480 MHz
Transmitting power: max. +10 dBm (10 mW)
Cable length: 3 m

Scope of delivery: SpaceLogic KNX Hybrid Module, SpaceLogic KNX Hybrid Antenna LSS100410

SpaceLogic KNX Hybrid Antenna

Version	Art. no.	
black	**LSS100410**	**New**

Spare part.

Hybrid Antenna for connection to the SpaceLogic KNX Hybrid Module. The antenna is placed outside the cabinet. With magnetic base.

Transmitting frequency: 2405 MHz ... 2480 MHz
Transmitting power: max. +10 dBm (10 mW)
Cable length: 3 m

- KNX IP routing objects: 500
- KNX IP Secure compatibility
- KNXP IP tunneling, commissioning of KNX devices, long frame support
- HTTP / HTTPS / NTP servers
- Direct import of *knxproj file with automatic filtering tables

Power supply voltage: DC 12 V - 30 V SELV
Power consumption: 2 W
Power Supply DPSU choke: DC 21 V - 31 V SELV
DPSU choke: rated current max. 320 mA, chort circuit proof, tripping current ≤1A
Display elements:
- LED indicator 1: Green LED (CPU load)
- **LED indicator 2:** Green LED (Operation) or Red LED (Reset)
Controls: 1x reset button, 2 jumpers (PoE and POW)
Interfaces: 1x RJ45 Ethernet 10/100 Mbit/s
Terminals:
- **KNX bus:** Bus terminal 2 x 0.8 mm
- **Power supply/Power supply DPSU choke:** 2-gang/3gang pluggable screw terminal for max. 2x 0.5 mm²–1.5 mm²
Protection type: IP20
Ambient temperature operation: 0°C to +45°C
Device width: 4 modules = approx. 72 mm
BACnet Protocol Revision: 22
BACnet Device Profile: B-ASC, B-GW

there would be a 24 V cables to power it.

TouchPanel
Screen diagonal: 17.47 cm (7")
Resolution: 1024 x 600
Type: Colorful TFT LCD & multi-touch capacitive screen

Horizontal orientation
Vertical top / bottom viewing angle: 30° / 70°
Horizontal right / left viewing angle: 70° / 70°

Vertical orientation
Vertical top / bottom viewing angle: 70° / 70°
Horizontal right / left viewing angle: 30° / 70°

Power
2-wire power supply: DC 24 V
Current consumption in standby state (mA): 90 mA
Current consumption in activestate (mA): 240 mA

Wi-Fi®
Frequency band: IEEE 802.11 a/b/g/n/ac 2.4/5 GHz (2400-2483.5 MHz, 5150-5250 MHz)

Environmental conditions
Operating temperature: -10 °C to +55 °C
Operating Humidity: 0% to 95% RH no condensing
Storage temperature: -25 °C to +70 °C
Storage humidity: 0 % to 95 % RH no condensing
IP rating: IP30

Dimensions and weight
Dimensions (W x H x D): 132.76 x 196.65 x 23.91 mm
Weight: 448 g / 814 g (with package)

Location

When choosing the installation location, the maximum cable length must be observed.
The following shows the lengths from the touch panel to the respective assemblies in the system.

- YR 2x0.8 mm, J-Y(ST)Y 2x2x0.8 mm, A-2Y(L)2Y 2x2x0.8 mm: cable must not be longer than 120 m.
- A-2Y(L)2Y 2x2x0.6 mm, J-Y(ST)Y 2x2x0.6 mm: cable must not be longer than 80 m.

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions
- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA
Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA
Screen: 10 cm (3.95") LCD, 480 x 480 pixels
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 86 x 86 x 32 mm
Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5 and higher.

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052
Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052
Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052
Rocker 4-gang for KNX Push Button Dynamic Labeling MTN6194-6035, MTN6194-6034, MTN6194-6036, MTN6194-6050, MTN6194-6052

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

Rocker 1-gang for KNX Push Button Dynamic Labeling

Version	Art. no.	
lotus white	**MTN6191-6035**	New
anthracite	**MTN6191-6034**	New
stainless steel	**MTN6191-6036**	New
nickel metallic	**MTN6191-6050**	New
mocca metallic	**MTN6191-6052**	New

For System D.
The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Push Button Dynamic Labeling, 1-gang MTN6191-6010, KNX Push Button Dynamic Labeling, universal MTN6194-6010
Contents: 1x rocker 1-gang.

Version	Art. no.	
lotus white	**MTN6193-6035**	**New**
anthracite	**MTN6193-6034**	**New**
stainless steel	**MTN6193-6036**	**New**
nickel metallic	**MTN6193-6050**	**New**
mocca metallic	**MTN6193-6052**	**New**

For System D.
The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Push Button Dynamic Labeling, 3-gang MTN6193-6010, KNX Push Button Dynamic Labeling, universal MTN6194-6010
Contents: 1x rocker 2-gang, 2x rockers 4-gang

Rocker 4-gang for KNX Push Button Dynamic Labeling

Version	Art. no.	
lotus white	**MTN6194-6035**	**New**
anthracite	**MTN6194-6034**	**New**
stainless steel	**MTN6194-6036**	**New**
nickel metallic	**MTN6194-6050**	**New**
mocca metallic	**MTN6194-6052**	**New**

For System D.
The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Push Button Dynamic Labeling, universal MTN6194-6010
Contents: 4x rockers 4-gang.

when approached.
With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
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General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidifaication mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidifaication mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Functions, control unit/push-button:
- Dual-surface: switch, brightness dimming, curtain step/move, roller blind step/move, scene, value output, loop operation, multiple operation, weather information, energy monitoring
- Single-surface: switch, scene, value output, loop operation, multiple operation, weather information, energy monitoring, air quality display
- With only one function of the screen: brightness dimming, RGB dimming (1 x 3 byte, 3 x 1 byte), RGBW dimming (1 x 6 byte, 4 x 1 byte), Colour temperature dimming, venetian blind position and slat, air conditioner control panel (setpoint/actual temperature, internal/external sensor), room temperatur control panel, ventialtion control panel, audio control (volume adjustment, play mode, 3 play modes)

Functions of the room temperature control unit:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs, indication behaviors

Note: Programmable with ETS5 and higher.

Heating actuator functions
PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 9 mA, maximum 20 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 300 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 2x 6-gang

Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 320 A/ 2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 72x90x64 mm

Contents: With bus connecting terminal and cable cover.

Heating actuator functions
PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 10 mA max. 22 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 250 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 8 channels: 3x 6-gang

Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 192 A/1.2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 72x90x64 mm

Contents: With bus connecting terminal and cable cover.

age failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 10 mA max. 26 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 300 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 4x 8-gang

Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 320 A / 2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 216x90x64 mm

Contents: With bus connecting terminal and cable cover.

Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus volt
age failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 12 mA max. 28 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 300 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 5x 8-gang

Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 320 A / 2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 216x90x64 mm

Contents: With bus connecting terminal and cable cover.

Power supply: KNX Bus
Rated current: 6.5 mA, max. 19 mA/24 V
KNX power consumption: < 600 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 20 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 16 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 4000 W
Fluorescent lamp: 4000 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W
LED lamp: 750 W, cos φ ≥ 0.6
Capacitive loads: 20 AX, 200 µF
Motors: 4000 VA, cos φ ≥ 0.6

Minimum switching current: 100 mA/12 V AC
Connection port KNX: Bus connection terminal
Connection port Mains: Screw terminal blocks, 1x8-gang

Relay data
Switching frequency at rated load: for one channel: 60 operations/min
for all channels: 30 operations/min
Mechanical service life: >1x10^6
Inrush current: 500 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Product dimensions (WxHxD): 4 channels: 72 x 90 x 64 mm

Contents: With bus connecting terminal and cable cover.

Power supply: KNX Bus
Rated current: 6.5 mA, max. 19 mA/24 V
KNX power consumption: < 600 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 20 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 16 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 4000 W
Fluorescent lamp: 4000 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W
LED lamp: 750 W, cos φ ≥ 0.6
Capacitive loads: 20 AX, 200 µF
Motors: 4000 VA, cos φ ≥ 0.6

Minimum switching current: 100 mA/12 V AC
Connection port KNX: Bus connection terminal
Connection port Mains: Screw terminal blocks, 2x8-gang

Relay data
Switching frequency at rated load: for one channel: 60 operations/min
for all channels: 8 channels 20 operations/min
Mechanical service life: >1x10^6
Inrush current: 500 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Product dimensions (WxHxD): 8 channels: 144 x 90 x 64 mm

Contents: With bus connecting terminal and cable cover.

Power supply: KNX Bus
Rated current: 6.5 mA, max. 19 mA/24 V
KNX power consumption: < 600 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 20 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 16 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 4000 W
Fluorescent lamp: 4000 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W
LED lamp: 750 W, cos φ ≥ 0.6
Capacitive loads: 20 AX, 200 µF
Motors: 4000 VA, cos φ ≥ 0.6

Minimum switching current: 100 mA/12 V AC
Connection port KNX: Bus connection terminal
Connection port Mains: Screw terminal blocks, 3x8-gang

Relay data
Switching frequency at rated load: for one channel: 60 operations/min
for all channels: 12 operations/min
Mechanical service life: >1x10^6
Inrush current: 500 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Product dimensions (WxHxD):12 channels 216 x 90 x 64 mm

Contents: With bus connecting terminal and cable cover.

- Up to 250 KNX devices can be integrated in a project.
- Automatic generation and product selection of KNX modular devices for the control cabinet layout.
- Fully automatic creation of visualizations in combination with Wiser for KNX and spaceLYnk possible
- Assistant function checks the configuration for sources of error for smooth commissioning.
- Creation of a room book and material lists for simple project documentation.
- Import of eConfigure KNX lite project files into eConfigure KNX expert (-ETS5) possible.
- Compatible operating systems: Windows 7, SP1, Windows 8, Windows 10
- Minimum computer requirements: see operating instructions / user manual.

Compatible operating system: Windows 7 SP1, Windows 8, Windows 10
Minimum computer requirements: Refer to user manual.
List of compatible KNX products: Refer to user manual
Automatic creation of visualizations for smartphone, tablet and Touch IP 7 in connection with Wiser for KNX (LSS100100) or spaceLYnk (LSS100200) possible.
Note: This software must be installed on a computer using the Windows® operating system.
Scope of delivery: Box with KNX dongle and USB stick with software.

eConfigure KNX Expert

Version	Art. no.
Expert	**Available on knx.org shop (ETS App)**

'eConfigure KNX Expert' is a graphical ETS App for seamless configuration and set-up of a home & building automation solutions.

The user creates his installation graphically directly on the plans of his installation and determines the functions of each KNX sensors (pushbuttons, thermostats, detectors, ...) in a simple, fast and intuitive way. KNX products in switchboards are generated automatically, which allows the user to save time, while being assured of a functional installation.

A library of solutions can be integrated in the software, allowing the novice or experienced user who wants to optimize his time to quickly create his project. It is also possible for the user to create his own solutions.

An installation report and list of products (bill of materials) can also be edited to allow the user to build a complete and professional file for the rest of his team or for his own clients.

All projects done with the Lite version are compatible with the Expert version.
It is possible to export the complete project in ETS.

Compatible operating system: Windows 7 SP1, Windows 8, Windows 10
Minimum computer requirements: Refer to user manual.
List of compatible KNX products: Refer to user manual
Note: ETS5 with Pro license shall be used.

Nominal current can be distributed as desired. Reset button to disconnect the power and reset the bus devices. Short-circuit proof. Surge-proof. Open-circuit proof. For operation in installations with emergency power supply.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Nominal voltage: 220-240 V AC,
Mains frequency: 50/60 Hz
Power dissipation: max. 1.8 W
KNX Medium: TP256
Bus output voltage: 28-31 V DC SELV
Bus output current: 320 mA (all outputs)
DC 30 V output voltage: 30 V DC
Signal output: 12-230 V AC, 2-30 V DC
Switching current: 5 mA ... 2
Buffer time: ca. 200 ms at 230 V A
Device width: 4 TE = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

Nominal current can be distributed as desired. Reset button to disconnect the power and reset the bus devices. Short-circuit proof. Surge-proof. Open-circuit proof. For operation in installations with emergency power supply.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Nominal voltage: 220-240 V AC,
Mains frequency: 50/60 Hz
Power dissipation: max. 2.9 W
KNX Medium: TP256
Bus output voltage: 28-31 V DC SELV
Bus output current: 640 mA (all outputs)
DC 30 V output voltage: 30 V DC
Signal output: 12-230 V AC, 2-30 V DC
Switching current: 5 mA ... 2 A
Buffer time: ca. 200 ms at 230 V
Device width: 4 TE = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

Buffer time: ca. 220 ms at 230 V
Device width: 6 TE = approx. 108 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX power supply REG-K/320 mA

Version	Art. no.
light grey	**MTN684032**

For generating the bus voltage for a line with up to 64 bus devices.
With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Nominal voltage: AC 110-230 V ±10%
Operating voltage: min. AC 92 V - max. AC 253 V
Mains frequency: 50-60 Hz ±10%
Output voltage: DC 30 V
Output current: max. 320 mA, short-circuit-proof
Device width: 4 TE = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX power supply REG-K/320 mA with emergency power input

Version	Art. no.
light grey	**MTN683832**

For generating the bus voltage for a line with up to 64 bus devices. The emergency power supply REG can be connected in order to buffer the bus voltage.
With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Nominal voltage: AC 110-230 V ±10%
Operating voltage: min. AC 92 V - max. AC 253 V
Mains frequency: 50-60 Hz ±10%
Output voltage: DC 30 V
Output current: max. 320 mA, short-circuit-proof
Device width: 4 TE = approx. 72 mm
Accessories: SpaceLogic KNX REG emergency power supply MTN683901
Contents: With bus connecting terminal and cable cover.

Accessories: SpaceLogic KNX REG emergency power supply MTN683901
Contents: With bus connecting terminal and cable cover.

683890: approx. 1.25 h
683832: approx. 2.5 h
683816: approx. 5 h
Short-circuit current: < 1.5 A
Charging current: max. 1 A
Connections: plug-in screw terminal for main connector, operating state (4-pin, 3 floating contacts) and emergency power supply. Plug-in terminal for battery connection (two 1 mm pins)
Device width: 4 modules = approx. 72 mm
In KNX, to be completed with: KNX power supply REG-K/160 mA with emergency power input MTN683816
SpaceLogic KNX power supply REG-K/320 mA with emergency power input MTN683832
SpaceLogic KNX power supply REG-K/640 mA with emergency power input MTN683890
Accessories: Lead gel battery MTN668990
MTN668991
Binary input REG-K/4x24 MTN644892
SpaceLogic KNX Power supply REG, DC 24 V/0.4 A MTN693003
Contents: With connecting terminal and cable cover

Lead gel battery

Version	Art. no.
7.2 Ah	**MTN668990**

Lead gel battery to connect to the emergency input of the power supply 320 REG-K with battery connection.
Nominal voltage: DC 12 V
Capacity: 7.2 Ah
In KNX, to be completed with:
SpaceLogic KNX REG emergency power supply MTN683901

Lead gel battery

Version	Art. no.
18 Ah	**MTN668991**

Lead gel battery for connecting to the emergency power supply REG.
Nominal voltage: DC 12 V
Capacity: 18 Ah
In KNX, to be completed with:
SpaceLogic KNX REG emergency power supply MTN683901

for the transmission of the password. All communication via IP is encrypted and secured. In both modes, the interface forwards both encrypted and unencrypted KNX telegrams. The security properties are checked by the respective receiver or tool.

KNX Data Security for the device
The KNX secure device also supports KNX Data Security to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.
NOTE: Encrypted telegrams are longer than the previously used unencrypted ones. For secure programming via the bus, it is therefore necessary that the interface used (for example, USB-, IP-interface) and any intermediate line couplers support the so-called KNX long frames.

SECURE

Devices supporting KNX Security

be parameterised separately.
Functions as repeater:
Expansion of a line into segments. Telegram repetitions in the event of transmission errors can be set separately for group telegrams, broadcast telegrams and physically addressed telegrams.
Device width: 1 modules = approx. 18 mm
Note: This application requires ETS 5 or higher.
Contents: With 2 bus connecting terminals and 2 cable covers.

SpaceLogic KNX IP Router DIN Rail

Version	Art. no.
	MTN6500-0103

The SpaceLogic KNX IP Router allows forwarding of telegrams between different lines through a LAN (IP) as a fast backbone. In addition this KNX IP Router is suited to connect a PC to the KNX network e.g. for ETS programming.
The KNX IP Router supports KNX Security which can be enabled in ETS. As secure router the device allows coupling of not secured communication on KNX TP to a secured IP backbone.
For the interface functionality (tunneling) KNX security prevents from unauthorized access.
The router supports up to 8 tunneling channels. For each tunneling channel a separate individual address must be configured. The IP address can be obtained by a DHCP server or by manual configuration (ETS) respectively. This KNX IP Router works according to the KNXnet/IP specification using the core, the device management, the tunneling and the routing part.
The SpaceLogic KNX IP Router has an extended filter table for main group 0..31 and is able to buffer up to 150 telegrams. The Router is powered by the KNX bus. An additional power supply is not needed. With 2 integrated push-buttons for testing purpose and 3 status LEDs.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal. The LAN network is conneted via RJ45 socket.
Device width: 1 module = approx. 18 mm
Note: This application requires ETS 5 or higher.
Contents: With bus connecting terminal and cable cover.

Version	Art. no.
	MTN6502-0101

For connecting a programming or diagnostics device with a USB 2.0 interface to the KNX. The USB connector (Type C) is galvanic isolated from the KNX bus. It can be used as a programming interface for ETS Software Version 4 (or higher).
The device is programmed locally with the physical address and does not have a programming button and programming LED. With 2 status LEDs.
The KNX USB interface supports KNX "longframe" communication and is compatible with KNX security telegrams / devices. This allows faster KNX downloads if supported by the target device (e.g. MTN6725-0001).
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Device width: 1 module = approx. 18 mm
Contents: With bus connecting terminal and cable cover.

Expansion of a line to max. 4 line segments with up to 64 participants each (incl. line coupler or repeater). Telegram repetitions in the event of transmission errors can be set separately for group telegrams, broadcast telegrams and physically addressed telegrams. With repeaters, the telegrams are always forwarded.
Device width: 2 modules = approx. 36 mm
Note: With the coupler/repeater 7116/1.1 application, the entire group address range from 0 to 31 can be used for the filter function of the coupler (support for extended group addresses). This application requires ETS 4.1 or higher.
Contents: With 2 bus connecting terminals.

KNX/IP router REG-K

Version	Art. no.		
light grey	**MTN680329**	**Discontinued**	**June 2020**

The KNX/IP router enables telegrams to be forwarded between different lines via LAN (IP) as a rapid backbone. The device can additionally serve as a programming interface in order to connect a PC with the KNX bus (e.g. for ETS programming with suitable ETS).
The IP address can be assigned dynamically via a DHCP server or via manual configuration (ETS parameter). The device operates in accordance with the KNXnet/IP specification using Core, device management, tunnelling and routing.
The KNX/IP router forwards telegrams in both directions whilst taking a filter table into account and can buffer up to 150 telegrams.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Supply voltage: DC 12-30 V (at DC 24 V 40 mA), AC 12-24 V
Device width: 2 modules = approx. 36 mm
In KNX, to be completed with: SpaceLogic KNX Power supply REG, DC 24 V/0,4 A MTN693003
SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Also alternatively Power over Ethernet (PoE).
Note: With version 0C and higher, a total of up to 5 simultaneous connections is supported.
Contents: With bus connecting terminal.

black/white	**MTN5761-0000**

10 channel IR remote control. For the control of all TELE sensor covers, blind push-buttons with IR receiver, presence detectors with IR receivers and KNX devices with IR receivers.
Battery: 2 microcells (IEC LR 0.3 AAA)
(not included)
Range: up to 12 m
Receiver: TELE sensor cover System M MTN5779.., MTN5703..
Blind push-button with IR receiver and sensor connection System M MTN5880.., MTN5864..
ARGUS Presence Master with IR, relay 1-gang MTN5510-1119
ARGUS Presence Master with IR, relay 2-gang MTN5510-1219
ARGUS Presence Master with IR, 1-10 V MTN5510-1419
ARGUS Presence Master with IR, DALI MTN5510-1519
KNX ARGUS Presence with light control and IR receiver MTN6309..
Push-button, 4-gang plus with IR receiver System M MTN6279.., MTN6175..
KNX 1-gang push-button with IR receiver Altira ALB4x152
Unica MGU3.532.18, MGU3.532.25
Unica Top MGU3.532.12, MGU3.532.30
Unica MGU5.532.18, MGU5.532.25
Unica Top MGU5.532.12, MGU5.532.30
Push-button 4-gang plus with room temperature control unit System M MTN6214-03.. /-04..
Contents: Without battery.

- Output disable via gate function.
- Behaviour of each input object after bus reset.
- Adjustable sending behaviour.

8 converter modules
- Conversion of 1 bit switching telegrams into 2 bit priority control.
- Conversion of 1 bit switching telegrams into 8 bit value telegrams.
- Conversion of 8 bit value telegrams into 1 bit switching telegrams.
- Output disable via gate function.
- Behaviour of each input object after bus reset.
- Adjustable sending behaviour.

12 multiplexer modules (lighting control)

Multiplexer modules are used to selectively control telegrams, e.g. to toggle between single room and total room control for conference rooms with partition walls.
- Supported telegram formats by module: 1 bit, 2 bit, 4 bit, 8 bit , 2 byte.
- A module can be used for the 4 byte format.
- Telegram forwarding/blocking in one or both directions using the control object.
- Adjustable gate behaviour.
- Adjustable control object behaviour.
- Output disable via gate function.
- Adjustable sending behaviour.
- Adjustable sending delay.

Push-button and LED assignment
- The three push-buttons and the three LEDs can be freely assigned with binary objects.
- Behaviour per LED.
- Behaviour per push-button.

Behaviour after bus reset
- Adjustable module start-up delay after bus voltage recovery.

Device width: 2.5 module = approx. 45 mm

Adjustable tolerances and delays.
Alarm function: alarms are sent when current values fall above or below threshold values. Adjustable tolerances and delays.

Functions for all channels:
Consumption values with time stamp. Time can be received via an external KNX timer. Adjustable nominal voltage (210-240 V). 4 energy counters to count seperatly depending on tariff. Summation of energy values from several channels and external energy values. Status responses regarding bus voltage failure, exceedance of power, total power and tariff meters.

Energy measurement:
Number of channels: 3
Nominal voltage: AC 220/230 V, 50/60 Hz
Max. current per channel: 16 A
Min. current per channel: 20 mA (power factor 1)
Detection accuracy:
Power and current measurement (calculated): max. 10 %
Capacity of total power meter: > 2 million kWh
Temperature range: -5°C to + 45°C
Type of protection: IP 20
Device width: 4 modules = approx. 72 mm

- IEM3150, IEM3155, IEM3250, IEM3255 energy counters
- PM3250, PM3255 universal meters
- SIM10M Smart Interface Module

For Modbus devices without a template, up to 40 Modbus registers can be directly assigned to the communication objects on the KNX side.

The device is supplied with power via the KNX bus.
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
With screw terminals.
KNX software functions: Modbus communication settings (baud rate, parity, delays). Selection of pre-programmed templates for 17 Modbus counters with detection of: voltage (phase 1-3), current (phase 1-3), frequency, power factor, active power, reactive power, apparent power, active energy, reactive energy, 6 binary counters, 2 analogue inputs (using Smart Interface Module SIM10M template). In addition to the template, direct access to Modbus registers and manual assignment of the register values to communication objects are possible. Diagnostic function: active and passive evaluation of errors in the Modbus installation. All values can be reset by a reset object.
Device width: 2.5 modules = approx. 44 mm

Version	Art. no.
	MTN6502-0101

For connecting a programming or diagnostics device with a USB 2.0 interface to the KNX. The USB connector (Type C) is galvanic isolated from the KNX bus. It can be used as a programming interface for ETS Software Version 4 (or higher).
The device is programmed locally with the physical address and does not have a programming button and programming LED. With 2 status LEDs.
The KNX USB interface supports KNX “longframe” communication and is compatible with KNX security telegrams / devices. This allows faster KNX downloads if supported by the target device (e.g. MTN6725-0001).
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Device width: 1 module = approx. 18 mm
Contents: With bus connecting terminal and cable cover.

USB interface REG-K

Version	Art. no.		
light grey	**MTN681829**	**Discontinued**	**June 2020**

For connecting a programming or diagnostics device with a USB1.1 or USB2.0 interface to the KNX.
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Device width: 2 modules = approx. 36 mm
Contents: With bus connecting terminal and cable cover.

Version	Art. no.		
	MTN681799	**Discontinued**	**June 2020**

For connecting a programming or diagnostics device with a USB1.1 or USB2 interface to the KNX.
For screw mounting in the size 60 installation box. With integrated bus coupler. The device is connected to the bus with a bus connecting terminal. Compatible with ETS 3.
Mounting depth: 20 mm
To be completed with: Central plate with square opening System M
Contents: With bus connecting terminal.

IP connection

for communication in BACnet (server), Modbus, KNX and web services,
access to web server to configure and display user interface;
IP camera connection

150 points — BACnet

USB port

(Enocean USB key, 3G modem, etc.)

Modbus serial port

links to any devices(Smartlink, IEM, PM, ie.)

10 devices — Modbus devices

That can be connected simultaneously

KNX connection

for communication with KNX products

8 users — Number of Users

RS232 connection

to control music players, video projectors, etc.

- Multi-protocol gateway between KNX (TP / IP) and Modbus RTU / TCP + BACnet IP
- HTTP / HTTPS / NTP / FTP servers
- Integration of IP cameras
- Data logger with trend display and export function
- Modbus (10 devices)
- Integrated USB port (additional memory, EnOcean & GSM dongles)
- Freely programmable scheduler
- IP router
- Scenes module
- E-mail and SMS
- Easy visualization configuration through eConfigure

Supply voltage: 24 V DC (not included)
Power consumption: 2 W
Display elements:
- **LED indicator 1:** Green LED (CPU load)
- **LED indicator 2:** Green LED (Operation) or Red LED (Reset)
Controls: 1x reset button
Interface: 1x KNX TP1, 1x RJ45 Ethernet 10/100 Mbit/s, 1x RS-485 (incl. Polarization resistor 47 kΩ, no termination), 1x RS-232, 1x USB 2.0
Terminals:
- **KNX bus:** Bus terminal 2 x 0.8 mm
- **Power supply:** 0.5 mm²–1.5 mm²
- **Serial interfaces:** 0.5 mm²–1.5 mm²
Operation: -5°C to +45°C
Dimension: 90 x 52 x 58 mm (HxWxD)
Device width: 3 modules = approx. 54 mm
To be completed with: SpaceLogic KNX Power Supply 24VDC - 0,4A (MTN693003).

Solutions are tested and validated according to Schneider Electric process

IP connection

for communication in BACnet (server), Modbus, KNX and web services, access to web server to configure and display user interface; IP camera connection

BACnet 2000 points

USB port

(Enocean USB key, 3G modem, etc.)

Modbus serial port

links to any devices(Smartlink, IEM, PM, ie.)

Modbus devices 31 devices

That can be connected simultaneously

KNX connection

for communication with KNX products

Number of Users > 50 users

RS232 connection

to control music players, video projectors, etc.

IP/TP KNX filtering Available

Quick IP/TP KNX filtering on object tab

Solutions are tested and validated according to Schneider Electric process

Features:
- Freely programmable logic controller with integrated web server
- WEB SCADA visualization for PC and mobile devices
- Marketplace with applications to download and extend the controller's functionality
- IFTT support
- Multi-protocol gateway between KNX (TP / IP) and Modbus RTU / TCP + BACnet IP
- HTTP / HTTPS / NTP / FTP servers
- BACnet server (2000 data points)
- Modbus (31 devices)
- Login visualization (>50 users)
- User management tool to define user access and visibility
- Predefined Modbus templates
- BACnet certified "BACnet Application Specific Controller (B-ASC)"
- Integration of IP cameras
- Simple function block programming
- Integrated USB port (additional memory, EnOcean & GSM dongles)
- Freely programmable scheduler
- IP router
- Scenes module
- E-mail and SMS
- Easy visualization configuration through eConfigure
- KNX IP Secure compatibility

Supply voltage: 24 V DC (not included)
Power consumption: 2 W
Display elements:
- **LED indicator 1:** Green LED (CPU load)
- **LED indicator 2:** Green LED (Operation) or Red LED (Reset)

Controls: 1x reset button
Interfaces: 1x KNX TP1, 1x RJ45 Ethernet 10/100 Mbit/s, 1x RS-485 (incl. Polarization resistor 47 kΩ, no termination), 1x RS-232, 1x USB 2.0
Terminals:
- **KNX bus:** Bus terminal 2 x 0.8 mm
- **Power supply:** 0.5 mm²–1.5 mm²
- **Serial interfaces:** 0.5 mm²–1.5 mm²

Operation: -5°C to +45°C
Dimension: 90 x 52 x 58 mm (HxWxD)
Device width: 3 modules = approx. 54 mm

- KNX IP routing objects: 500
- KNX IP Secure compatibility
- KNXP IP tunneling, commissioning of KNX devices, long frame support
- HTTP / HTTPS / NTP servers
- Direct import of *knxproj file with automatic filtering tables

Power supply voltage: DC 12 V - 30 V SELV
Power consumption: 2 W
Power Supply DPSU choke: DC 21 V - 31 V SELV
DPSU choke: rated current max. 320 mA, chort circuit proof, tripping current ≤1A
Display elements:
- LED indicator 1: Green LED (CPU load)
- LED indicator 2: Green LED (Operation) or Red LED (Reset)
Controls: 1x reset button, 2 jumpers (PoE and POW)
Interfaces: 1x RJ45 Ethernet 10/100 Mbit/s
Terminals:
- **KNX bus:** Bus terminal 2 x 0.8 mm
- **Power supply/Power supply DPSU choke:** 2-gang/3gang pluggable screw terminal for max. 2x 0.5 mm²–1.5 mm²
Protection type: IP20
Ambient temperature operation: 0°C to +45°C
Device width: 4 modules = approx. 72 mm
BACnet Protocol Revision: 22
BACnet Device Profile: B-ASC, B-GW

- Automatic upgrade of the firmware of the Hybrid Module and connected ZigBee wireless devices so the installation is always well maintained and up to date

Supply voltage: DC 24 V
Display elements: LED bicolor (Red/Orange)
Interfaces: Antenna, RS232 communication (TX, RX, GND) and DC 24 V power supply(-/+)
Ambient temperature operation: 0°C to +45°C
Device width: 1 modules = approx. 18 mm

Antenna
Transmitting frequency: 2405 MHz ... 2480 MHz
Transmitting power: max. +10 dBm (10 mW)
Cable length: 3 m

Scope of delivery: SpaceLogic KNX Hybrid Module, SpaceLogic KNX Hybrid Antenna LSS100410

SpaceLogic KNX Hybrid Antenna

Version	Art. no.	
black	**LSS100410**	**New**

Spare part.
Hybrid Antenna for connection to the SpaceLogic KNX Hybrid Module. The antenna is placed outside the cabinet. With magnetic base.

Transmitting frequency: 2405 MHz ... 2480 MHz
Transmitting power: max. +10 dBm (10 mW)
Cable length: 3 m

there would be a 24 V cables to power it.

TouchPanel
Screen diagonal: 17.47 cm (7")
Resolution: 1024 x 600
Type: Colorful TFT LCD & multi-touch capacitive screen

Horizontal orientation
Vertical top / bottom viewing angle: 30° / 70°
Horizontal right / left viewing angle: 70° / 70°

Vertical orientation
Vertical top / bottom viewing angle: 70° / 70°
Horizontal right / left viewing angle: 30° / 70°

Power
2-wire power supply: DC 24 V
Current consumption in standby state (mA): 90 mA
Current consumption in activestate (mA): 240 mA

Wi-Fi®
Frequency band: IEEE 802.11 a/b/g/n/ac 2.4/5 GHz (2400-2483.5 MHz, 5150-5250 MHz)

Environmental conditions
Operating temperature: -10 °C to +55 °C
Operating Humidity: 0% to 95% RH no condensing
Storage temperature: -25 °C to +70 °C
Storage humidity: 0 % to 95 % RH no condensing
IP rating: IP30

Dimensions and weight
Dimensions (W x H x D): 132.76 x 196.65 x 23.91 mm
Weight: 448 g / 814 g (with package)

Location

When choosing the installation location, the maximum cable length must be observed.
The following shows the lengths from the touch panel to the respective assemblies in the system.

- YR 2x0.8 mm, J-Y(ST)Y 2x2x0.8 mm, A-2Y(L)2Y 2x2x0.8 mm: cable must not be longer than 120 m.
- A-2Y(L)2Y 2x2x0.6 mm, J-Y(ST)Y 2x2x0.6 mm: cable must not be longer than 80 m.

- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions
- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA
Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA
Screen: 10 cm (3.95") LCD, 480 x 480 pixels
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 86 x 86 x 32 mm
Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5 and higher.

Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM. Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display

Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display MTN5775-0003

Note: Programmable with ETS4 and higher.

Contents: With bus connecting terminal and supporting plate.

Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM. Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display

Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display MTN5775-0003
Fixing frame for 3-module box MTN6270-0015
D-Life frame, 1-gang, for 3-module box MTN6010-65xx

Note: Programmable with ETS4 and higher.

Contents: With bus connecting terminal and supporting plate.

With fixing frame for DK-Fuga wall box.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.
Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display MTN5775-0003
Note: Programmable with ETS4 and higher.
Contents: With fixing frame for DK-Fuga wall box.
With bus connecting terminal.

Remote sensor for universal room temperature control unit with touch display

Version	Art. no.
	MTN5775-0003

For use with underfloor heating systems.
To be completed with: Universal temperature control unit insert with touch display MTN5775-0000
Programmable universal temperature control unit insert with touch display MTN5776-0000
KNX Multitouch Pro System M MTN6215-03..
System D MTN6215-59..
System D MTN6216-5910

	MTN6903-6301	**Discontinued**

The device is fitted in a table container with 3 modules, and is equipped with a USB for the connection to a PC.
It is back lighted for signalling transponder reading or writing. The reader / writer is powered up through the USB port of the PC, which must be provided with the appropriate software to allow the following read/write data: system code, password and date.
In KNX, to be completed with: KNX Access Control eSuite+PC MTN6903-6300
Accessories: KNX Access Control RFID Card reader glass MTN6903-60.., KNX Access Control RFID Card holder glass MTN6903-61..

KNX Access Control RFID Card reader glass

Version	Art. no.	
white	**MTN6903-6019**	**Discontinued**
black	**MTN6903-6014**	**Discontinued**
aluminium	**MTN6903-6060**	**Discontinued**

The device has two free potential binary inputs for door contact, window contacts, bathroom alarm or other needed inputs. On the device there are two low voltage relays for any other freely configurable use.
The front of the transponder is illuminated if no light is available (for dark locations), goes out if the card is invalid, and flashes for 3 seconds if access is not allowed. It is possible to open the door, execute some lighting scene and any other funtion through KNX bus.
Configuration is done with ETS.
Nominal voltage: 12/24 VAC/DC and KNX bus connection
Maximum current: 150 mA
Contact voltage: 24 Vdc
Contact current: 1mA
In KNX, to be completed with: SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A MTN693003, SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Accessories: KNX Access Control RFID Card holder glass MTN6903-61.., KNX Access Control RTC glass MTN6903-62.., KNX Access Control USB card prog. MTN6903-6301, KNX Access Control eSuite+PC MTN6903-6300

KNX Access Control RFID Card holder glass MTN6903-61.., KNX Access Control RTC glass MTN6903-62.., KNX Access Control USB card prog. MTN6903-6301, KNX Access Control eSuite+PC MTN6903-6300

KNX Access Control RTC glass

Version	Art. no.	
white	**MTN6903-6219**	**Discontinued**
black	**MTN6903-6214**	**Discontinued**
aluminium	**MTN6903-6260**	**Discontinued**

With room temperature control unit and display.
The room temperature control unit can be used for heating and cooling with infinitely adjustable.
KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. thefan status, automatic/manual mode, temperature and operating mode.
The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.
The device has one free potential binary input for door contact, window contacts, bathroom alarm or other needed inputs. On the device there are one low voltage relay for any other freely configurable use as locker open signal.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
Accessories: KNX Access Control RFID Card reader glass MTN6903-60.., KNX Access Control RFID Card holder glass MTN6903-61.., KNX Access Control USB card prog. MTN6903-6301, KNX Access Control eSuite+PC MTN6903-6300

User interface functions:
- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions
- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA
Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA
Screen: 10 cm (3.95") LCD, 480 x 480 pixels
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 86 x 86 x 32 mm

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5 and higher.

In idle state, the surface of the push-button appears as a uniform plane. The labelling of the push-buttons only becomes visible via the backlit symbols after activation. For this purpose, the included prefabricated foils or the individual symbols with various icons.
The position of the operating buttons varies depending on the selected number of operating buttons.
With status indicators.
With integrated bus coupler. The bus is connected using a bus connecting terminal.

ETS device functions:
- Behaviour and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor

KNX software functions:
With touchless function: toggle, switch on, switch off, call up scene

With normal manual operation there are 2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, locking function.

Proximity function: triggered by object or sensor, sensitivity adjustment

Temperature sensor: offset setting, sending of the actual temperature in case of a deviation, cyclic sending of the actual temperature

Accessories: Dismantling protection MTN6270-0000
Foil set for KNX Push-button Pro MTN6270-0010
Note: Programmable only with ETS5.
Contents: Device with inserted prefabricated foil.
With bus connecting terminal and supporting plate.
3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

when approached.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
2 programming options:
- Express setting: Calls up a pre-set configuration
- Advanced setting: Individual configuration

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Accessories: Dismantling protection MTN6270-0000
Foil set for KNX Push-button Pro MTN6270-0010
Note: Programmable with ETS4 and higher.
Contents: Device with inserted prefabricated foil.
With bus connecting terminal and supporting plate.
3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

Foil set for KNX Push-button Pro

Version	Art. no.
	MTN6270-0010

Spare part
For System M.
For individual marking of the KNX Push-buttons Pro/Pro T.
In KNX, to be completed with: KNX Push-button Pro T MTN6185-03/04..., KNX Push-button Pro MTN6180-03/04...,
Contents: 3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM. Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display MTN5775-0003
Note: Programmable with ETS4 and higher.
Contents: With bus connecting terminal and supporting plate.

Remote sensor for universal room temperature control unit with touch display

Version	Art. no.
	MTN5775-0003

For use with underfloor heating systems.
To be completed with: Universal temperature control unit insert with touch display MTN5775-0000
Programmable universal temperature control unit insert with touch display MTN5776-0000
KNX Multitouch Pro System M MTN6215-03..
System D MTN6215-59..
System D MTN6216-5910

Version	Art. no.	Version	Art. no.
white, glossy	**MTN617144**	white, glossy	**MTN617244**
polar white, glossy	**MTN617119**	polar white, glossy	**MTN617219**
active white, glossy	**MTN617125**	active white, glossy	**MTN617225**
anthracite	**MTN627514**	anthracite	**MTN627614**
aluminium	**MTN627560**	aluminium	**MTN627660**

For System M.
With integrated bus coupling unit.
Push-button with 2 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
The device is connected to the bus line with a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Accessories: Labelling sheets for push-buttons System M MTN6183..
Contents: With protective hood for plaster. With bus connecting terminal.

For System M.
With integrated bus coupling unit.
Push-button with 4 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
The device is connected to the bus line with a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Accessories: Labelling sheets for push-buttons System M MTN6183..
Contents: With protective hood for plaster. With bus connecting terminal.

(single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Accessories: Labelling sheets for push-buttons System M MTN6183..
Contents: With protective hood for plaster. With bus connecting terminal.

For System M.
With integrated bus coupling unit.
Push-button with 4 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
The device is connected to the bus line with a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Accessories: Labelling sheets for multi-function push-button with IR receiver System M MTN6184 ..
Transmitter: IR universal remote control MTN5761-0000
Contents: With protective hood for plaster. With bus connecting terminal.

Labelling sheets for push-buttons

Version	Art. no.
polar white	**MTN618319**
silver	**MTN618320**

For individual labelling of the System M push-buttons with text or symbols.
Accessories from: Push-button, 1-gang plus System M MTN6275.., MTN6171.., Push-button, 2-gang plus System M MTN6276.., MTN6172.., Push-button, 4-gang plus System M MTN6278.., MTN6174..
Contents: 1 sheet for every 28 products.

Labelling sheets for multi-function push-button with IR receiver

Version	Art. no.
polar white	**MTN618419**
silver	**MTN618420**

For individual labelling of the System M multi-function push-button with IR receiver.
Accessories from: Push-button, 4-gang plus with IR receiver System M MTN6279.., MTN6175..
Contents: 1 sheet for every 28 products.

display mode, time, switching times and brightness of the display.
The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.
Contents: With bus connecting terminal and supporting plate.
Screw for protection against dismantling.
With protective hood for plaster.

backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.
The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.
Transmitter: IR universal remote control MTN5761-0000
To be completed with: M-Smart frame, 2-gang without central bridge piece MTN4788.., M-Arc frame, 2-gang without central bridge piece MTN4858.., M-Star frame, 2-gang without central bridge piece MTN4668.., MTN4768.., MTN4868.., M-Plan frames, 2-gang without central bridge piece MTN4888.., MTN5158.., Metal frame, 2-gang without central bridge piece M-Elegance MTN4038.., Real glass frame, 2-gang without central bridge piece M-Elegance MTN4048..
Contents: With bus connecting terminal and supporting plate.
Screw for protection against dismantling.
With protective hood for plaster.

Rocker for 1-gang push-button module with up/down arrow imprint

Version	Art. no.
white, glossy	**MTN619444**
polar white, glossy	**MTN619419**
active white, glossy	**MTN619425**
anthracite	**MTN625514**
aluminium	**MTN625560**

For System M.
The rocker is attached to the 1-gang push-button module.
In KNX, to be completed with: KNX push-button module, 1-gang System M MTN625199
Accessories: Protective hood for plaster System M MTN627591

KNX push-button module, 1-gang

Version	Art. no.
	MTN625199

For System M.
Push-button module without rocker. With programmable status display.
The device is connected to the bus line with a bus connecting terminal. With integrated bus coupler.
KNX software functions: The push-buttons can be parameterised either as a pair (dual-surface) or individually (single-surface).
Single-surface: Switch ON or switch OFF, dimming, scenes.
Dual-surface: Switch ON or switch OFF, dimming, scenes, blinds.
In KNX, to be completed with: Rocker for 1-gang push-button module System M MTN6191.., MTN6251.., Rocker for 1-gang push-button module with 1/0 imprint System M MTN6254.., MTN6193.., Rocker for 1-gang push-button module with up/down arrow imprint System M MTN6255.., MTN6194..

Rockers for 2-gang push-button module with up/down arrow and 1/0 imprint

Version	Art. no.
white, glossy	**MTN619644**
polar white, glossy	**MTN619619**
active white, glossy	**MTN619625**
anthracite	**MTN625714**
aluminium	**MTN625760**

For System M.
The rockers are attached to the 2-gang push-button module.
In KNX, to be completed with: KNX push-button module, 2-gang System M MTN625299
Accessories: Protective hood for plaster System M MTN627591

Rockers for 2-gang push-button module with up/down arrow imprint

Version	Art. no.
white, glossy	**MTN619744**
polar white, glossy	**MTN619719**
active white, glossy	**MTN619725**
anthracite	**MTN625814**
aluminium	**MTN625860**

For System M.
The rockers are attached to the 2-gang push-button module.
In KNX, to be completed with: KNX push-button module, 2-gang System M MTN625299
Accessories: Protective hood for plaster System M MTN627591

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052
Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052
Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052
Rocker 4-gang for KNX Push Button Dynamic Labeling MTN6194-6035, MTN6194-6034, MTN6194-6036, MTN6194-6050, MTN6194-6052

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

Rocker 1-gang for KNX Push Button Dynamic Labeling

Version	Art. no.	
lotus white	**MTN6191-6035**	New
anthracite	**MTN6191-6034**	New
stainless steel	**MTN6191-6036**	New
nickel metallic	**MTN6191-6050**	New
mocca metallic	**MTN6191-6052**	New

For System D.
The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Push Button Dynamic Labeling, 1-gang MTN6191-6010, KNX Push Button Dynamic Labeling, universal MTN6194-6010
Contents: 1x rocker 1-gang.

Version	Art. no.	
lotus white	**MTN6193-6035**	**New**
anthracite	**MTN6193-6034**	**New**
stainless steel	**MTN6193-6036**	**New**
nickel metallic	**MTN6193-6050**	**New**
mocca metallic	**MTN6193-6052**	**New**

For System D.
The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Push Button Dynamic Labeling, 3-gang MTN6193-6010, KNX Push Button Dynamic Labeling, universal MTN6194-6010
Contents: 1x rocker 2-gang, 2x rockers 4-gang

Rocker 4-gang for KNX Push Button Dynamic Labeling

Version	Art. no.	
lotus white	**MTN6194-6035**	**New**
anthracite	**MTN6194-6034**	**New**
stainless steel	**MTN6194-6036**	**New**
nickel metallic	**MTN6194-6050**	**New**
mocca metallic	**MTN6194-6052**	**New**

For System D.
The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Push Button Dynamic Labeling, universal MTN6194-6010
Contents: 4x rockers 4-gang.

tion via key stroke or the touchless operation triggered by proximity. The touchless operation allows to trigger 1 function, such as toggling or calling up a scene. Both operation methods cannot be performed simultaneously on the same push-button.
In idle state, the surface of the push-button appears as a uniform plane. The labelling of the push-buttons only becomes visible via the backlit symbols after activation. For this purpose, the included prefabricated foils or the individual symbols with various icons.
The position of the operating buttons varies depending on the selected number of operating buttons.
With status indicators.
With integrated bus coupler. The bus is connected using a bus connecting terminal.

ETS device functions:
- Behaviour and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor

KNX software functions:
With touchless function: toggle, switch on, switch off, call up scene

With normal manual operation there are 2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, locking function.

Proximity function: triggered by object or sensor, sensitivity adjustment

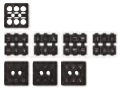
Temperature sensor: offset setting, sending of the actual temperature in case of a deviation, cyclic sending of the actual temperature

Accessories: Dismantling protection MTN6270-0000
Foil set for KNX Push-button Pro MTN6270-0011
Fixing frame for 3-module box MTN6270-0015
D-Life frame, 1-gang, for 3-module box MTN6010-65xx
Note: Programmable only with ETS5.
Contents: Device with inserted prefabricated foil.
With bus connecting terminal and supporting plate.
3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

The position of the operating buttons varies depending on the selected number of operating buttons.
ETS device functions:
- Behaviour and brightness of the status displays
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
2 programming options:
- Express setting: Calls up a pre-set configuration
- Advanced setting: Individual configuration

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Accessories: Dismantling protection MTN6270-0000
Foil set for KNX Push-button Pro MTN6270-0011
Fixing frame for 3-module box MTN6270-0015
D-Life frame, 1-gang, for 3-module box MTN6010-65xx
Note: Programmable with ETS4 and higher.
Contents: Device with inserted prefabricated foil.
With bus connecting terminal and supporting plate.
3 prefabricated foils and 24 different individual symbols with 1 carrier foil.



Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Accessories: Dismantling protection MTN6270-0000
Foil set for KNX Push-button Pro MTN6270-0011
Note: Programmable with ETS4 and higher.
Contents: With fixing frame for DK-Fuga wall box.
With bus connecting terminal.
Device with inserted prefabricated foil.
3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

Foil set for KNX Push-button Pro

Version	Art. no.
	MTN6270-0011

Spare part
For System D.
For individual marking of the KNX Push-buttons Pro/Pro T.
In KNX, to be completed with: KNX Push-button Pro T System D MTN6185-60..,
KNX Push-button Pro System D MTN6180-60..,
System D MTN6181-6035
Contents: 3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM. Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit
with touch display MTN5775-0003
Fixing frame for 3-module box MTN6270-0015
D-Life frame, 1-gang, for 3-module box MTN6010-65xx
Note: Programmable with ETS4 and higher.
Contents: With bus connecting terminal and supporting plate.

With fixing frame for DK-Fuga wall box.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.
Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display MTN5775-0003
Note: Programmable with ETS4 and higher.
Contents: With fixing frame for DK-Fuga wall box.
With bus connecting terminal.

Remote sensor for universal room temperature control unit with touch display

Version	Art. no.
	MTN5775-0003

For use with underfloor heating systems.
To be completed with: Universal temperature control unit insert with touch display MTN5775-0000
Programmable universal temperature control unit insert with touch display MTN5776-0000
KNX Multitouch Pro System M MTN6215-03..
System D MTN6215-59..
System D MTN6216-5910

	stainless steel	**MTN6010-6536**

Plug the KNX System D devices together with the D-Life frame on the fixing frame for 3-module box.
For horizontal and vertical installation.
To be completed with: Fixing frame for 3-module box MTN6270-0015

- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidifaication mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidifaication mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Functions, control unit/push-button:
- Dual-surface: switch, brightness dimming, curtain step/move, roller blind step/move, scene, value output, loop operation, multiple operation, weather information, energy monitoring
- Single-surface: switch, scene, value output, loop operation, multiple operation, weather information, energy monitoring, air quality display
- With only one function of the screen: brightness dimming, RGB dimming (1 x 3 byte, 3 x 1 byte), RGBW dimming (1 x 6 byte, 4 x 1 byte), Colour temperature dimming, venetian blind position and slat, air conditioner control panel (setpoint/actual temperature, internal/external sensor), room temperatur control panel, ventilation control panel, audio control (volume adjustment, play mode, 3 play modes)

Functions of the room temperature control unit:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs, indication behaviors

Note: Programmable with ETS5 and higher.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidifaication mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

ETS device functions:

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidifaication mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Contents: With set of 10 symbols: 2x symbol with light opening, 1x symbol “1”, 1x symbol “0”, 2x symbol for dimming, 2x symbol for shutter, 2x symbol (neutral).
With bus connecting terminal.

Contents: With set of 20 symbols: 4x symbol with light opening, 2x symbol “1”, 2x symbol “0”, 4x symbol for dimming, 4x symbol for shutter, 4x symbol (neutral).
With bus connecting terminal.

KNX 1-gang push-button with IR receiver

Version	Art. no.	
white	**ALB45152**	**Discontinued**
aluminium	**ALB46152**	**Discontinued**

2 modules
In Altira design.
KNX-push-button with 2 buttons, blue status LED and IR receiver. The status LED is located under the symbol window which can be taken off.
The functions of each of the button can be triggered using an IR remote control.
The push-button is pre-programmed for operation with a Schneider-Electric IR remote control Distance. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Transmitter: IR universal remote control MTN5761-0000
Contents: With bus connecting terminal.

2x symbol for dimming, 2x symbol for shutter, 2x symbol (neutral).
With bus connecting terminal.

KNX push-button double

Version	Art. no.
☐ white	**NU553118**
☐ white, antibac-terial	**NU553120**
■ aluminium	**NU553130**
■ anthracite	**NU553154**

2 modules
In Unica design.
KNX-push-button with 2 rockers (4 buttons) and 4 blue status LEDs. The status LED is located under the symbol window which can be taken off.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Contents: With set of 20 symbols: 4x symbol with light opening, 2x symbol "1", 2x symbol "0", 4x symbol for dimming, 4x symbol for shutter, 4x symbol (neutral).
With bus connecting terminal.

"0", 2x symbol for dimming, 2x symbol for shutter, 2x symbol (neutral).
With bus connecting terminal.

"0", 4x symbol for dimming, 4x symbol for shutter, 4x symbol (neutral).
With bus connecting terminal.

KNX 1-gang push-button with IR receiver

Version	Art. no.
☐ white	**MGU3.532.18**
☐ ivory	**MGU3.532.25**

2 modules
In Unica design.
KNX-push-button with 2 buttons, blue status LED and IR receiver. The status LED is located under the symbol window which can be taken off.
The functions of each of the button can be triggered using an IR remote control.
The push-button is pre-programmed for operation with a Schneider-Electric IR remote control Distance. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Transmitter: IR universal remote control MTN5761-0000
Contents: With bus connecting terminal.

tions.
Contents: With set of 10 symbols: 2x symbol with light opening, 1x symbol "1", 1x symbol "0", 2x symbol for dimming, 2x symbol for shutter, 2x symbol (neutral).
With bus connecting terminal.

tions.
Contents: With set of 20 symbols: 4x symbol with light opening, 2x symbol "1", 2x symbol "0", 4x symbol for dimming, 4x symbol for shutter, 4x symbol (neutral).
With bus connecting terminal.

KNX 1-gang push-button with IR receiver

Version	Art. no.
aluminium	**MGU3.532.30**
graphite	**MGU3.532.12**

2 modules
In Unica Top design.
KNX-push-button with 2 buttons, blue status LED and IR receiver. The status LED is located under the symbol window which can be taken off.
The functions of each of the button can be triggered using an IR remote control.
The push-button is pre-programmed for operation with a Schneider-Electric IR remote control Distance. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Transmitter: IR universal remote control MTN5761-0000
Contents: With bus connecting terminal.

Software					
Toggle	■	■		■	■
Switching	■	■		■	■
Dimming (via one/two inputs)	■	■		■	■
Blind (via one/two inputs)	■	■		■	■
Blind with position values	■	■		■	■
Edges (1 bit, 2 bit, 4 bit, 1 byte, 2 byte)	■	■		■	■
Edges (1 bit, 2 bit, 4 bit, 1 byte, 2 byte) short and long operation	■	■		■	■
8 bit slider	■	■		■	■
Scenes	■	■		■	■
Pulse counter	■	■		■	■
Switch counter	■	■		■	■
Reset counter	■	■		■	■
Cyclical sending (1 bit, 2 bit, 1 byte)	■	■		■	■
Locking function for each chanel	■	■		■	■
Locking function ■ Adjustable for each channel ■ All channels follow the function of a master channel	■ ■	■ ■		■ ■	■ ■

Dimensions: approx. 40x30.5x12.5 mm (LxWxH)

Push-button interface, 4-gang plus

Version	Art. no.
polar white	**MTN670804**

Generates an internal signal voltage for connecting four conventional push-buttons or floating contacts, and for direct connecting four low-current LEDs.
The cores are 30 cm long and can be extended to max. 7.5 m. For installation in a conventional 60 mm switch box.
KNX software functions: Switching, dimming or controlling blinds via 1 or 2 inputs, position values for blind control (8-bit), pulse edges with 1-, 2-, 4-, or 8-bit telegrams, differentiation between short and long activation, initialisation telegram, cyclical transmission, pulse edges with 2-byte telegrams, 8-bit linear regulator, scenes, counter, disable function, break contact/make contact, debounce time. Outputs for connecting control lamps (low-current LEDs) for the status display.
For each input/output object type:
Contact voltage: < 3 V (SELV)
Contact current: < 0.5 mA
Output current: max. 2 mA
Max. cable length: 30 cm unshielded, can be extended up to max. 7.5 m with twisted unshielded cable.
Dimensions: approx. 40x30.5x12.5 mm (LxWxH)

SpaceLogic KNX Binary input REG-K/8x10

Version	Art. no.
light grey	**MTN644592**

For connecting eight conventional push-buttons or floating contacts to the KNX. Internally generates a signal voltage SELV, electrically isolated from the bus.
With integrated bus coupler and plug-in screw terminals.
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.
Inputs: 8
Contact voltage: max. 10 V, clocked
Contact current: max. 2 mA, pulsing
Cable length: max. 50 m
Device width: 4 modules = approx. 70 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Binary input REG-K/8x24

Version	Art. no.
light grey	**MTN644792**

For connecting 8 conventional devices with AC/DC 24 V outputs to KNX.
With integrated bus coupler and plug-in screw terminals.
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.
Input voltage: AC/DC 24V
Inputs: 8
Input current: DC approx. 15 mA/AC approx. 6 mA
Line length: max. 100 m
Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A MTN693003, SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Binary input REG-K/8x230

Version	Art. no.
light grey	**MTN644692**

For connecting eight conventional devices with AC 230 V outputs to the KNX.
With integrated bus coupler and plug-in screw terminals.
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.
Input voltage: AC 230V, 50-60Hz
Inputs: 8
Input current: AC approx. 7 mA
Line length: max. 100 m
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

Range (right, left / front)	7 m radius	7 m radius	7 m radius		4.5 m radius	8 m right/left, 12 m to the front	8 m right/left, 12 m to the front	8 m radius	14 m right/left, 16 m to the front
Number of levels	6	6	6		3	6	6	1	7
Number of zones	136	136	136		39	46	46	14	112
Number of switching segments	544	544	544		167	—	—	—	448
Number of movement sensors	4	4	4		2	2	2	1	1
Light sensor	10-2000 Lux	10-2000 Lux	10-2000 Lux		10-2000 Lux	10-2000 Lux	10-2000 Lux	10-2000 Lux	3-2000 Lux
Staircase timer adjustable on the device	—	—	—		—	1 s - 8 min	1 s - 8 min	1 s - 8 min	1 s - 8 min
Staircase timer adjustable in the ETS	1 s - 255 h	1 s - 255 h	1s - 255 h		3 s, 1 min - 255 min	1 s - 255 h	1 s - 255 h	1 s - 255 h	1 s - 255 h
Software									
Light regulation for a permanent desired brightness	—	—	■		—	—	—	—	—
Number of movement/presence blocks	2	5	5+1 (1 for light control)		2	5	5	5	5
Number of functions per block	4	4	4		1	4	4	4	4
Functions per block									
■ Output telegrams 1 bit, 1 byte, 2 byte	■	■	■		■	■	■	■	■
■ Staircase timer	■	■	■		■	■	■	■	■
■ Self-adjusting staircase timer	■	■	■		—	■	■	■	■
■ Sensitivity adjustable	■	■	■		■	■	■	■	■
■ Range adjustable	■	■	■		—	■	■	■	■
■ Brightness treshold	■	■	■		■	■	■	■	■
■ Locking function	■	■	■		■	■	■	■	■
■ Sensitivity and range of the movement sensors sector-specifically adjustable	—	■	■		—	■	■	—	—
Brightness value correction	—	■	■		—	■	■	■	—
Cyclical sending of the determined brightness value	■	■	■		■	■	—	—	—
Cyclical sending of brightness value via 2 bytes object	■	■	■		■	■	■	■	■
Brightness threshold adjustable via object	—	■	■		■	■	—	—	—
Primary/Secondary function	—	■	■		■	■	■	■	■
Monitoring function (cyclical sending)	—	■	■		—	■	■	■	■
Dead time adjustable (noise reduction)	—	—	—		—	—	■	■	■
IR receiver up to 10 channels									
■ IR functions with KNX telegrams	—	—	■		—	—	—	—	—
■ Configuration of brightness treshold, staircase timer and range	—	—	■		—	—	—	—	—

Staircase timer adjustable in the ETS	1 s - 255 h		1 s - 255 h	1 s - 255 h
Software				
Light regulation for a permanent desired brightness	—		—	—
Number of movement/presence blocks	5		5	5
Number of functions per block	4		4	4
Functions per block ■ Output telegrams 1 bit, 1 byte, 2 byte ■ Staircase timer ■ Self-adjusting staircase timer ■ Sensitivity adjustable ■ Range adjustable ■ Brightness treshold ■ Locking function ■ Sensitivity and range of the movement sensors sector-specifically adjustable	 ■ ■ ■ ■ ■ ■ ■ —		 ■ ■ ■ ■ ■ ■ ■ —	 ■ ■ ■ ■ ■ ■ ■ —
Brightness value correction	■		■	■
Cyclical sending of the determined brightness value	—		—	—
Cyclical sending of brightness value via 2 bytes object	■		■	■
Brightness threshold adjustable via object	—		—	—
Master/Slave function	■		■	■
Monitoring function (cyclical sending)	■		■	■
Dead time adjustable (noise reduction)	■		■	■
IR receiver up to 10 channels ■ IR functions with KNX telegrams ■ Configuration of brightness treshold, staircase timer and range	 — —		 — —	 — —

KNX software functions: Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Self-adjusting staircase timer.
Angle of detection: 220°
Range: max. 16 m
Number of levels: 7
Number of zones: 112 with 448 switching segments
Light sensor: infinitely variable from approx. 3 - 1000 lux, ∞ lux (infinite: movement detection is independent of the position of the sensor head)
Time: can be set externally from 1 s to approx. 8 min. in 6 levels or via ETS from approx. 3 s to approx. 152 hours
Sensitivity: infinitely adjustable
Possible settings for sensor head:
Wall mounting: 9° up, 24° down, 12° left/right, ±12° axial
Ceiling mounting: 4° up, 29° down, 25° left/right, ±8.5° axial
EC directives: Low-voltage guideline 2006/95/EC and EMC directive 2004/108/EC
Type of protection: IP 55
Accessories: Mounting bracket MTN565291, Programming magnet MTN639190
Contents: With cover plate and segments to limit the area of detection, screws and plugs.

Programming magnet

Version	Art. no.
	MTN639190

Non-contact programming of the physical address of the KNX ARGUS 220.
In KNX, to be completed with: KNX ARGUS 220 MTN6325..

KNX software functions: Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes. Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Self-adjusting staircase timer.
Angle of detection: 180°
Range: 8 m (for mounting height of 1.1 m)
Number of levels: 1
Number of zones: 14
Sensitivity: infinitely adjustable (ETS or potentiometer)
Light sensor: infinitely adjustable from approx. 10 to 2000 Lux (ETS or potentiometer)
Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Contents: With bus connecting terminal and supporting plate.

KNX software functions: Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes. Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Self-adjusting staircase timer.
Angle of detection: 180°
Range: 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)
Mounting height: 2.2 m or 1.1 m with half the range
Number of levels: 6
Number of zones: 46
Number of movement sensors: 2, sector-orientated, adjustable
Sensitivity: infinitely adjustable (ETS or potentiometer)
Light sensor: infinitely adjustable from approx. 10 to 2000 Lux (ETS or potentiometer)
Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Contents: With bus connecting terminal and supporting plate.
With cover segments to limit the area of detection.

Presence detection indoors.
If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.
When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.
With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m. With anti-crawl protection.
KNX software functions: Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation, master, slave, monitoring, safety pause, disable function. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.
Angle of detection: 180°
Range: 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)
Mounting height: 2.2 m or 1.1 m at half the range
Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)
Number of levels: 6
Number of zones: 46
Number of movement sensors: 2, separately adjustable
Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Accessories: Fixing frame for 3-module box MTN6270-0015
D-Life frame, 1-gang, for 3-module box MTN6010-65xx
Contents: With bus connecting terminal and supporting plate.
With cover segments to limit the area of detection.

switch or ETS)
Detection brightness: Infinite setting from approx. 10 lux to approx.1000 lux (rotary switch) or from 10 lux to 2000 lux (ETS)
Overshoot time: Adjustable in 6 steps from approx. 1 s to approx. 8 min (rotary switch) or adjustable from 1 s to 255 hours (ETS)
EC guidelines: Low-voltage guideline 2006/95/EEC and EMC guideline 2004/108/EC
Contents: With bus connecting terminal.

Movement detectors Unica

KNX Movement detector 180

Version	Art. no.
☐ white	**MGU3.533.18**
ivory	**MGU3.533.25**

2 modules
In Unica design.
Movement detector for indoors.
When a movement is detected, a data telegram defined by the programming is transmitted.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions: Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation and surveillance operation, master, slave, safety pause, disable function.
Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer.
Angle of detection: 180°
Number of movement sensors: 2, sector-orientated, adjustable (ETS)
Recommended mounting height: 1 m to 2,5 m
Range: at 2.15 m mounting height: Approx. 9 m on all sides, adjustable in 10 steps (rotary switch or ETS)
Detection brightness: Infinite setting from approx. 10 lux to approx.1000 lux (rotary switch) or from 10 lux to 2000 lux (ETS)
Overshoot time: Adjustable in 6 steps from approx. 1 s to approx. 8 min (rotary switch) or adjustable from 1 s to 255 hours (ETS)
EC guidelines: Low-voltage guideline 2006/95/EEC and EMC guideline 2004/108/EC
Contents: With bus connecting terminal.

Range: at 2.15 m mounting height: Approx. 9 m on all sides, adjustable in 10 steps (rotary switch or ETS)
Detection brightness: Infinite setting from approx. 10 lux to approx.1000 lux (rotary switch) or from 10 lux to 2000 lux (ETS)
Overshoot time: Adjustable in 6 steps from approx. 1 s to approx. 8 min (rotary switch) or adjustable from 1 s to 255 hours (ETS)
EC guidelines: Low-voltage guideline 2006/95/EEC and EMC guideline 2004/108/EC
Contents: With bus connecting terminal.

Supply voltage: KNX bus voltage
Bus current: approx. 10 mA
Number of channels: 2
Binary inputs: 2, cable length max. 100 m, cross section 1.0-2.5 mm²
Mounting height: 2 m ... 3 m (optimal 2.5 m)
Detection range: 360°, Ø 9 m at 2.5 m mounting height
Function modes: Auto (presence), semi auto (absence), test
Sensitivity: adjustable
Detection brightness: 10 ... 2000 Lux
Time setting: 3 s, 1 min - 255 min
Protection type: IP20
Dimensions: 99.2 x 74.1 mm (Ø x H)

ing on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

Angle of detection: 360°
Opening angle: 180°
Range: Radius of max. 18 m (tangential)
Mounting height: 4 - 14 m
Optimal mounting height: 12 m
Time setting: 60 s - 255 min.
Sensors: 2 x passive infrared
Number of zones: 1416
Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux
IP protection rating: IP 20
EC guidelines: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC
Dimensions: 124 x 78 mm (Ø x H)
Accessories: Remote control for KNX presence detector MTN6300-0002
Protective basket for KNX presence detector MTN6300-0001

dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

Angle of detection: 360°
Opening angle: 45°
Range: max. 20 x 4 m (tangential)
max. 12 x 4 m (radial)
Mounting height: 2.5 - 5 m
Optimal mounting height: 2.8 m
Time setting: 60 s - 255 min.
Sensors: 2 x passive infrared
Number of zones: 280
Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux
Protection rating: IP 20
EC Directives: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC
Dimensions: 124 x 78 mm (Ø x H)
Accessories: Remote control for KNX presence detector MTN6300-0002
Protective basket for KNX presence detector MTN6300-0001

ing on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

Angle of detection: 360°
Opening angle: 180°
Range: Radius of max. 18 m (tangential)
Mounting height: 4 - 14 m
Optimal mounting height: 12 m
Time setting: 60 s - 255 min.
Sensors: 2 x passive infrared
Number of zones: 1416
Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux
Protection rating: IP 54
EC Directives: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC
Dimensions: 124 x 65 mm (Ø x H)
Accessories: Remote control for KNX presence detector MTN6300-0002
Protective basket for KNX presence detector MTN6300-0001

dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

Angle of detection: 360°
Opening angle: 45°
Range: max. 20 x 4 m (tangential)
max. 12 x 4 m (radial)
Mounting height: 2.5 - 5 m
Optimal mounting height: 2.8 m
Time setting: 60 s - 255 min.
Sensors: 2 x passive infrared
Number of zones: 280
Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux
Protection rating: IP 54
EC Directives: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC
Dimensions: 124 x 65 mm (Ø x H)
Accessories: Remote control for KNX presence detector MTN6300-0002
Protective basket for KNX presence detector MTN6300-0001

dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

Angle of detection: 360°
Range: max. 6 x 6 m (tangential)
max. 4 x 4 m (radial)
Mounting height: 2 - 5 m
Optimal mounting height: 2.8 m
Time setting: 60 s - 255 min.
Sensors: 4 x passive infrared
Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux
IP protection rating: IP 20
EC guidelines: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC
Dimensions: 43 x 71 mm (Ø x H)
Accessories: Remote control for KNX presence detector MTN6300-0002

Version	Art. no.
	MTN6300-0001

Protective grille for movement and presence detectors.
Surface-mounted installation with screws

To be completed with: KNX High Bay presence detector FM
KNX Präsenz Halle AP MTN6354-0019
KNX Corridor presence detector FM MTN6305-0019
KNX Präsenz Korridor AP MTN6355-0019

presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation (no master/slave), safety pause, disable function. Self-adjusting staircase timer. Actual brightness value: can be specified via the internal and/or an external light sensor.
Angle of detection: 360°
Range: a radius of max. 7 m (at a mounting height of 2.50 m)
Number of levels: 6
Number of zones: 136 with 544 switching segments
Number of movement sensors: 4
Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Accessories: Surface-mounted housing for ARGUS Presence MTN550619
Contents: With bus connecting terminal and supporting plate.

presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation, master, slave, monitoring, safety pause, disable function. Four movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.
Angle of detection: 360°
Range: a radius of max. 7 m (at a mounting height of 2.50 m)
Number of levels: 6
Number of zones: 136 with 544 switching segments
Number of movement sensors: 4, separately adjustable
Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Accessories: Surface-mounted housing for ARGUS Presence MTN550619
Contents: With bus connecting terminal and supporting plate.

additional adjustable level.
IR receiver function. IR configuration: setting the brightness threshold, staircase timer factors or range.
Normal operation, master, slave, monitoring, safety pause, disable function. Four movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.
Angle of detection: 360°
Range: a radius of max. 7 m (at a mounting height of 2.50 m)
Number of levels: 6
Number of zones: 136 with 544 switching segments
Number of movement sensors: 4, separately adjustable
Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX
Number of IR channels: 10 for controlling KNX devices, 10 for configuration
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Accessories: Surface-mounted housing for ARGUS Presence MTN550619
Transmitter: IR universal remote control MTN5761-0000
Contents: With bus connecting terminal and supporting plate.

Surface-mounted housing for ARGUS Presence

Version	Art. no.
polar white	**MTN550619**

The surface-mounted housing for ARGUS Presence devices also allows them to be surface mounted.
- for surface-mounting of the LON Multi-Sensor LA-21 (art. no. 42320-104) and ILA-22 (art. no. 42320-105)
- colour: polar white (similar to RAL 9010)

To be completed with: ARGUS Presence MTN550590, ARGUS Presence with IR receiver and for extension unit operation MTN550591, KNX ARGUS Presence Basic MTN6307.., KNX ARGUS Presence MTN6308.., KNX ARGUS Presence with light control and IR receiver MTN6309..

lation at 2.2 m. With anti-crawl protection.
KNX software functions: Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation, master, slave, monitoring, safety pause, disable function. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.
Angle of detection: 180°
Range: 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)
Mounting height: 2.2 m or 1.1 m at half the range
Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)
Number of levels: 6
Number of zones: 46
Number of movement sensors: 2, separately adjustable
Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Contents: With bus connecting terminal and supporting plate.
With cover segments to limit the area of detection.

Dimensions: 110 x 72 x 54 mm

Air Quality Multisensor

Version	Art. no.
polar white	**MTN6005-0011**

The multisensor monitors the air quality in rooms e.g. in schools or offices. The measured data is sent for processing via the KNX bus. The sensor provides the following data and controls for KNX: CO_2, relative humidity, temperature, dew point, air pressure, VAV control, temperature controller.
In addition, the sensor has 5 inputs: 2 binary inputs, 1 input can be confiured as a binary or analog input, 2 inputs can be configured as binary or as temperature sensor input (PT1000, 10 kΩ PTC, 2-/10-/12-/15-/33-/47 kΩ NTC).

The device is intended for mounting on a flush-mounted box or on the wall.

Power supply: bus voltage
Current consumption from bus: max. 10 mA
Ambient temperature: 0 °C ... +50 °C
Measuring range, CO2: 390 ... 5000 ppm
Measuring range, temperature: 0 °C ... +50 °C
Measuring range, humidity: 0 % ... 100 %
Measuring range, atmoshperic pressure: 300 hPa ... 1100 hPA
Type of protection: IP 20
Dimensions: 80.5 x 80.5 x 17 mm

An additional AC 230 V power supply is required for the heating unit.

KNX software functions:
- Adjustment of slat position according to current position of the sun.
- Sun protection area both horizontal (azimuth) and vertical (elevation) can be set exactly.
- 3 installed brightness sensors at 90° spacing.
- 2 objects for external brightness sensors.
- Shading can be temporarily interrupted via object.
- Universal channels with AND/OR linking of weather parameters.
- Threshold channels with delay with falling below and exceeding.
- Logic channels with 4 input objects + internal link that can be configured with status of the universal and threshold channels.

Power supply: AC 110-230 V, 50-60 Hz
Power consumption: max. 10 mA with bus voltage
Stand-by consumption: < 0.5 W
Measuring range:
Brightness: 1 - 100000 lx
Temperature: - 30 °C ... + 60 °C
Wind speed: 2 - 30 m/s

Ambient temperature: - 20 °C ... + 55 °C
Protection class: II
Type of protection: IP 44
Dimensions: 227x121x108 mm (LxWxH)
Accessories: Mast and corner fastening for KNX weather station Basic V2 MTN6904-0002

Mast and corner fastening for KNX weather station Basic V2

Version	Art. no.
	MTN6904-0002

- For corner installation of max. 2 KNX weather stations Basic V2.
- For mast installation of 1 KNX weather station Basic V2.
- Diameter 48–60 mm.

To be completed with: KNX weather station Basic V2 MTN6904-0001

- Signal monitoring of the combi-sensors with object for the following protective measures
- Checking the wind signal for conclusiveness with object for the following protective measures
- Selective façade shading (for 4 façades) with adjustment of the basic brightness, façade alignment, angle of opening relative to the sun.
- External objects for intervention in basic brightness, angle of opening and limit values
- Alarm byte
- Continuity monitoring with report on the bus

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Auxiliary voltage: AC 24 V (+/-10 %)
Analogue inputs: 4
Current interface: 0 ... 20 mA, 4 ... 20 mA
Voltage interface: 0 ... 1 V, 0 ... 10 V
Outputs: DC 24 V, 100 mA
Device width: 4 modules = approx. 72 mm
In KNX, to be completed with: SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Accessories: Wind sensor with 0-10 V interface MTN663591, Wind sensor with 0-10 V interface and heating MTN663592, Rain sensor MTN663595, Brightness sensor MTN663593, Twilight sensor MTN663594, Temperature sensor MTN663596, Weather combi-sensor MTN6604-0001
Contents: With bus connecting terminal and cable cover.

Weather combi-sensor DCF-77

Version	Art. no.	
black	**MTN663692**	**Discontinued**

The weather combi-sensor includes a wind sensor, precipitation sensor, twilight sensor and three brightness sensors (East, South, West). With integral DCF77 receiver, antenna rotatable through 45° and integrated heater (protection against thawing and condensation). Suitable for external installation on a wall or a pole. The sensor is connected to an REG-K 4-gang weather station.
The weather data is evaluated in the weather station. The necessary power supplies are provided by the weather station with connected power supply REG.
Power supply: AC 24 V (+/- 15 %)
Power consumption: max. 600 mA (with heating)
Sensors: 6
Wind speed: 1 ... 40 m/s (≤ 0.5 m/s)
Brightness: 0 ... 110 klux (+/- 10 %)
Twilight 0 ... 250 lux
Type of protection: IP 65 when installed
Temperature range: - 40 °C ... + 60 °C (non-icing)
Fixing method: Mounting bracket
Dimensions: 130x200 mm (ØxH)
In KNX, to be completed with: SpaceLogic KNX Weather station REG-K/4-gang MTN682991

In KNX, to be completed with:
SpaceLogic KNX Weather station REG-K/4-gang MTN682991,
SpaceLogic KNX Analogue input REG-K 4-gang MTN682191.
Contents: With mounting bracket.

Load: max. 60 m/s transient
Incoming cable: 3 m, LiYY 6 x 0.25 mm²
Fixing method: Mounting bracket
Mounting position: vertical
In KNX, to be completed with:
SpaceLogic KNX Weather station REG-K/4-gang MTN682991,
SpaceLogic KNX Analogue input REG-K 4-gang MTN682191.
Accessories: SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Contents: With mounting bracket.

Heating: 24 V DC/AC max. 4.5 W
General specifications:
Type of protection: IP 65
Incoming cable: 3 m, UYY 5 x 0.25 mm²
Fixing method: Mounting bracket
Mounting position: approx. 45°
In KNX, to be completed with:
SpaceLogic KNX Weather station REG-K/4-gang MTN682991,
SpaceLogic KNX Analogue input REG-K 4-gang MTN682191.
Accessories: SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Contents: With holder for installing the sensor on walls and masts.

SpaceLogic KNX Weather station REG-K/4-gang MTN682991,
SpaceLogic KNX Analogue input REG-K 4-gang MTN682191.

In KNX, to be completed with:
SpaceLogic KNX Weather station REG-K/4-gang MTN682991,
SpaceLogic KNX Analogue input REG-K 4-gang MTN682191.

In KNX, to be completed with:
SpaceLogic KNX Weather station REG-K/4-gang MTN682991,
SpaceLogic KNX Analogue input REG-K 4-gang MTN682191.

SpaceLogic KNX Analogue input REG-K 4-gang

Version	Art. no.
light grey	**MTN682191**

The analogue input records and processes analogue sensor signals. Up to four analogue sensors can be connected in any combination. In connection with the analogue input module REG/4-gang, 8 analogue inputs are available, to which the connection is made using the sub-bus.
Evaluation and limit value processing is performed in the analogue input. With continuity checking of the 4 ... 20 mA inputs.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Auxiliary voltage: AC 24 V (+/-10 %)
Analogue inputs: 4
Current interface: 0 ... 20 mA, 4 ... 20 mA
Voltage interface: 0 ... 1 V, 0 ... 10 V
Outputs: DC 24 V, 100 mA
Continuity checking: 4 ... 20 mA
Device width: 4 modules = approx. 72 mm
In KNX, to be completed with: SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Accessories: Wind sensor with 0-10 V interface MTN663591, Wind sensor with 0-10 V interface and heating MTN663592, Rain sensor MTN663595, Brightness sensor MTN663593, Twilight sensor MTN663594, Temperature sensor MTN663596
Contents: With bus connecting terminal and cable cover.

- Time and date synchronisation for other bus devices
- Automatic changeover between summer and winter time
- Switch-off timer
- Holiday program
- 2 random programs
- Integrated operating hours counter
- ON/OFF switching times
- Impulse program
- Cycle program
- Switch preselection
- ON/OFF permanent switching
- PIN coding
- Interface for memory card (PC programming)
- Screwless terminals for 2 lines each

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Operating voltage: Bus: DC 24 V
Mains: AC 110-240 V
Shortest switching time: 1 s
Accuracy: ≤ ±0.5s/day
Power reserve: 8 years
Type of protection: IP 20
Device width: 3 modules = approx. 54 mm
In KNX, to be completed with: GNSS Antenna MTN6606-0073
Accessories: Acti 9 - Programming kit for IHP / IC / KNX Year Time Switch CCT15860, IHP+ and KNX Year Time Switch key CCT15861

GNSS Antenna

Version	Art. no.
	MTN6606-0073

The GNSS antenna is a multi-satellite receiver, which can receive GPS, GALILEO, GLONASS and QZSS (GNSS: global navigation satellite system).
The GNSS antenna is used for worldwide time determination. As every satellite continually transmits UTC time (Greenwich Mean Time) via an atomic clock, it can be received worldwide. The GNSS antenna receives time signals of the above mentioned satellites and forwards them to the time switch. The exact local time is calculated in the time switch according to the set time zone. The GNSS antenna forwards the position coordinates.
The antenna is connected using a 2-core cable (max. 100 m).
In KNX, to be completed with: SpaceLogic KNX Year Time Switch REG-K/8/800 MTN6606-0008

Version	Art. no.
	CCT15861

Memory card for saving and duplicating programs for time switches. The program created by the software is loaded to the memory chip and can then be imported to one or more time switches.
For IHP+ 1c/2c, ICAstro 1c/2c, IC100kp+ 1c/2c, IHP 1c 18 mm, IHP+ 1c 18 mm and KNX Year Time Switch
In KNX, to be completed with: SpaceLogic KNX Year Time Switch REG-K/8/800 MTN6606-0008

Acti 9 - Programming kit for IHP / IC / KNX Year Time Switch

Version	Art. no.
	CCT15860

For IC Astro and IC 100kp+.
In KNX, to be completed with: SpaceLogic KNX Year Time Switch REG-K/8/800 MTN6606-0008
Accessories: IHP+ and KNX Year Time Switch key CCT15861
Contents: With adapter, memory chip and 2 m USB cabel.

Version	Art. no.	
light grey	**MTN668091**	**Discontinued**

Antenna for receiving the time by radio signal. The antenna should be connected to a year time switch REG-K/4/324 DCF-77.
Type of protection: IP 54
In KNX, to be completed with: KNX timer REG-K MTN677290
Contents: With mounting bracket.

▪ Fluorescent lamps			1800 W uncompensated, 1000 W parallel-compensated	1000 VA	1800 W uncompensated, 1000 W parallel-compensated		2000 VA	2500 VA	2500 VA
DC power supply	not allowed	not allowed	not allowed	not allowed	not allowed		not allowed	not allowed	Purely resistive loads allowed, DC 12-24 V, +10 %, 0,1 - 16 A
Software									
ON/OFF delay	■	The software functions are provided by the master device	■	■	■		—	■	■
Staircase lighting function with/without manual OFF ▪ Retriggerable ▪ Fix (for all push-buttons the same time) ▪ Variable (for all push-buttons different times) ▪ Retriggerable and adding ▪ Retrigger to the higher time ▪ Prewarn	■ ■ ■ ■ ■ ■ ■		■ ■ — — — — ■	■ ■ — — — — ■	■ ■ — — — — ■		■ ■ — — — — ■	■ ■ — — — — ■	■ ■ ■ ■ ■ ■ ■
Flashing	■		—	■	—		—	■	■
Make/Break contact adjustable	■		■	■	■		— (make contact)	■	■
Changeover contact adjustable	—		—	■	—		—	■	—
Status/Status feedback ▪ Active ▪ Passive ▪ Manual mode: Identify and acknowledge / Reset ▪ Delayed per device / Delayed per channel	■ ■ ■ / ■ ■ / ■		■ ■ ■ / — — / ■	■ ■ — / — — / —	■ ■ ■ / — — / —		■ — — / — — / —	■ ■ — / — — / —	■ ■ ■ / ■ ■ / ■
Behaviour of bus voltage failure / bus voltage recovery	■ / ■		■ / ■	■ / ■	■ / ■		■ / ■	■ / ■	■ / ■
Scenes ▪ Sending delay	16 ■		5 —	8 —	5 —		— —	8 —	8 ■
Higher priority functions	▪ Logic function ▪ Disable function or priority function		▪ Disable function ▪ Logic function or priority function	▪ Disable function ▪ Logic function or priority function	▪ Disable function ▪ Logic function or priority function		▪ Logic function	▪ Disable function ▪ Logic function or priority function	▪ Logic function ▪ Disable function or priority function
Disable function ▪ Behaviour of locking after bus voltage recovery	■		■	■	■		— —	■	■
Logic function ▪ Logic operation ▪ Value comparison / logic / gate function / filter / time delay	■ — / — / — / — / —		■ — / — / — / — / —	■ — / — / — / — / —	■ — / — / — / — / —		■ — / — / — / — / —	■ — / — / — / — / —	■ ■ / ■ / ■ / ■ / ■
Central function ▪ Time delay / Save changes	■ ■ / ■		■ — / —	■ — / —	■ — / —		■ — / —	■ — / —	■ ■ / ■
Safety function	■		—	—	—		—	—	■
Line monitoring (sending live signal)	■		—	—	—		—	—	■
Energy saving function	■		—	—	—		—	—	—

AC 230 V, max. 2700 W
AC 240 V, max. 2817 W
Halogen lamps: AC 100 V, max. 739 W
AC 230 V, max. 1700 W
AC 240 V, max. 1773 W
Fluorescent lamps: AC 100 V, max. 434 VA
AC 230 V, max. 1000 VA
AC 240 V, max. 1043 VA
parallel-compensated
Capacitive load: AC 230 V, 10 A, max. 105 µF
Dimensions: 51x52x29 mm (WxHxD)
Contents: With bus connecting terminal.

Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.
Valuator and lightscene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.
Lightscene ext. unit with memory function.
Logic module:
Logic operation, Converter, Blocking element, Comparator, Limit value

Nominal voltage: AC 230 V
Nominal current: 16 A, ohmic load
Switch contact: Make contact, floating relay contact
Nominal output
Incandescent lamps: AC 230 V, max. 2500 W
Halogen lamps: AC 230 V, max. 2500 W
HV LED lamps: AC 230 V, max. 400 W
Ohmic load: AC 230 V, 3000 W
Capacitive load: AC 230 V, 16 A, max. 140 µF
LV halogen lamps: max. 1200 VA, wound transformer
max. 1500 W, electronic transformers
Fluorescent lamps: AC 230 V, max. 1000 W, uncompensated
AC 230 V, max. 1160 W (140 µF) with parallel compensation
Inputs: 3
Temperature range: -5 °C to 45 °C
Dimensions: 48x50x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.
Valuator and lightscene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.
Lightscene ext. unit with memory function.
Nominal voltage: AC 230 V
Nominal current: 16 A, ohmic load
Switch contact: Make contact, floating relay contact
Nominal output
Incandescent lamps: AC 230 V, max. 2500 W
Halogen lamps: AC 230 V, max. 2200 W
LV halogen lamps: max. 1000 VA, wound transformer
max. 1000 W, electronic transformers
Capacitive load: AC 230 V, 10 A, max. 105 µF
Inputs: 2
Temperature range: -5 °C to 45 °C
Type of protection: IP 20
Dimensions: 53x53x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.
Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.
Scene ext. unit with memory function.
Nominal voltage: AC 230 V
Nominal current: 6 A, ohmic load
Switch contacts: 2x make contacts
Nominal output
Incandescent lamps: AC 230 V, max. 1200 W
Halogen lamps: AC 230 V, max. 1200 W
LV halogen lamps: max. 500 VA, wound transformer
max. 500 W, electronic transformers
Capacitive load: AC 230 V, 6 A, max. 14 µF
Inputs: 2
Temperature range: -5 °C to 45 °C
Type of protection: IP 20
Dimensions: 53x53x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

Device width: 2.5 modules = approx. 45 mm
Contents: With bus connecting terminal and cable cover.

KNX Switch Actuator Basic REG-K/2x/16 A with manual mode

Version	Art. no.
	MTN6700-0002

For independent switching of 2 loads via make contacts. All switch outputs can be operated with manual switches. With integrated bus coupling unit.
A green LED indicates readiness for operation after the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, logic operation, status feedback per channel, central function, parameterisation for bus voltage failure and recovery.
Rated voltage (nominal voltage): AC 100-240 V, 50-60 Hz
Tolerance range: min. AC 90 V - max. AC 265 V
For each switching contact:
Nominal current: 16 A, inductive load cosφ = 0,6
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1080 W
AC 230 V, max. 2500 W
AC 240 V, max. 2500 W
Fluorescent lamps: AC 100 V, max. 900 VA
AC 230 V, max. 2000 VA
AC 240 V, max. 2000 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 105 µF
Device width: 2.5 modules = approx. 45 mm
Contents: With bus connecting terminal and cable cover.

Output life endurance:
Mechanical: $>10^6$
AC1/AC3/AC5 operation: $>3x10^4$
230V, 1A resistive: $>8x10^5$
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1086 W
AC 230 V, max. 2500 W
AC 240 V, max. 2608 W
Fluorescent lamps: AC 100 V, max. 1086 VA
AC 230 V, max. 2500 VA
AC 240 V, max. 2608 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 200 µF
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Device width: 2.5 modules = approx. 45 mm
Contents: With bus connecting terminal and cable cover.

For each switching contact:
Switching current: 16 A, cosφ= 0.6
AC1 operation: max. 16 A
AC3 operation: max. 10 A
AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: $>10^6$
AC1/AC3/AC5 operation: $>3x10^4$
230V, 1A resistive: $>8x10^5$
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1086 W
AC 230 V, max. 2500 W
AC 240 V, max. 2608 W
Fluorescent lamps: AC 100 V, max. 1086 VA
AC 230 V, max. 2500 VA
AC 240 V, max. 2608 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 200 µF
Motor load: AC 100 V, max. 434 W
AC 230 V, max. 1000 W
AC 240 V, max. 1043 W
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Current detection (load current):
Detection range: 0.1 A to 16 A (sine effective value or DC)
Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA
Frequency: 50/60 Hz, for alternating current (AC)
Description: 100 mA
Device width: 2.5 modules = approx. 45 mm
Contents: With bus connecting terminal and cable cover.

Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

KNX Switch Actuator Basic REG-K/4x/16 A with manual mode

Version	Art. no.
	MTN6700-0004

For independent switching of 4 loads via make contacts. All switch outputs can be operated with manual switches. With integrated bus coupling unit.
A green LED indicates readiness for operation after the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, logic operation, status feedback per channel, central function, parameterisation for bus voltage failure and recovery.
Rated voltage (nominal voltage): AC 100-240 V, 50-60 Hz
Tolerance range: min. AC 90 V - max. AC 265 V
For each switching contact:
Nominal current: 16 A, inductive load cosφ = 0,6
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1080 W
AC 230 V, max. 2500 W
AC 240 V, max. 2500 W
Fluorescent lamps: AC 100 V, max. 900 VA
AC 230 V, max. 2000 VA
AC 240 V, max. 2000 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 105 µF
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

230V, 1A resistive: >8x10^4**Incandescent lamps:** 230 V AC, max. 3600 W
Halogen lamps: 230 V AC, max. 2500 W
Fluorescent lamps: AC 230 V, max. 2500 VA
Capacitive load: 230 V AC, 16 A, max. 200 µF
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

AC3 operation: max. 10 A
AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: >10^6
AC1/AC3/AC5 operation: >3x10^4
230V, 1A resistive: >8x10^4**Incandescent lamps:** 230 V AC, max. 3600 W
Halogen lamps: 230 V AC, max. 2500 W
Fluorescent lamps: 230 V AC, max. 2500 VA, with parallel compensation
Capacitive load: 230 V AC, 16 A, max. 200 µF
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Current detection load current:Detection range: 0.1 A to 16 A (sine effective value or direct current)
Detection accuracy: +/- 8% of the present current value (sine) and +/- 100 mA
Frequency: 50/60 Hz with alternating voltage
Display: 100 mA
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

Switch actuator REG-K/8x230/10 with manual mode

Version	Art. no.
light grey	**MTN649208**

For independent switching of up to 8 loads via make contacts. The function of the switching channels is freely configurable. All switching outlets can be operated manually using push-button operation.
Channel status display via LEDs. A green LED indicates readiness for operation.
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Operation as break contact/make contact. Programmable behaviour for download. Delay functions for each channel. Staircase lighting function with/without manual OFF function. Cut-out warning for staircase lighting function. Scenes. Central function. Disable function. Logic operation or priority control. Status feedback function for each channel.
Power supply:
Nominal voltage: AC 230 V, 50-60 Hz
For each switch output:
Nominal current: 10 A, cosφ = 1; 10 A, cosφ = 0.6
Incandescent lamps: AC 230 V, max. 2000 W
Halogen lamps: AC 230 V, max. 1700 W
Fluorescent lamps: AC 230 V, max. 1800 W, uncompensated
AC 230 V, max. 1000 W with parallel compensation
Capacitive load: AC 230 V, max. 105 µF
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)
Nominal voltage: AC 250 V, 50-60 Hz
Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:
Motor load: 1000 VA
For each switch output:
Nominal load
Incandescent lamps: 2300 W
Halogen lamps: 2300 W
LED: 200 W
Capacitive load: 10 AX, max. 140 µF
Inductive load: 10 A, cosφ = 0.6
Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms
Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008
Contents: With bus connecting terminal.

For each switch output:
Nominal load
Incandescent lamps: 2300 W
Halogen lamps: 2300 W
LED: 200 W
Capacitive load: 10 AX, max. 140 µF
Inductive load: 10 A, cosφ = 0.6
Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm
In KNX, to be completed with: SpaceLogic KNX Switch/Blind Master MTN6705-0008, SpaceLogic KNX Universal Dimming Master MTN6710-0102
Accessories: SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002
Contents: With Module Link.

SpaceLogic KNX Cable Link S

Version	Art. no.
30 cm	**MTN6941-0001**

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail.
Length: 30 cm

SpaceLogic KNX Cable Link L

Version	Art. no.
150 cm	**MTN6941-0002**

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail.
Length: 150 cm

SpaceLogic KNX Module Link

Version	Art. no.
	MTN6940-0000

The Module Link connects Master/Extension or Extension/Extension that are placed directly next to each other on the DIN rail.

Fluorescent lamps: AC 100 V, max. 900 VA
AC 230 V, max. 2000 VA
AC 240 V, max. 2000 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 105 µF
Device width: 8 modules = approx. 144 mm
Contents: With bus connecting terminal and cable cover.

AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: $>10^6$
AC1/AC3/AC5 operation: $>3x10^4$
230V, 1A resistive: $>8x10^5$
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1086 W
AC 230 V, max. 2500 W
AC 240 V, max. 2608 W
Fluorescent lamps: AC 100 V, max. 1086 VA
AC 230 V, max. 2500 VA
AC 240 V, max. 2608 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 200 µF
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Device width: 8 modules = approx. 144 mm
Contents: With bus connecting terminal and cable cover.

For each switching contact:
Switching current: 16 A, cosφ= 0.6
AC1 operation: max. 16 A
AC3 operation: max. 10 A
AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: $>10^6$
AC1/AC3/AC5 operation: $>3x10^4$
230V, 1A resistive: $>8x10^5$
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1086 W
AC 230 V, max. 2500 W
AC 240 V, max. 2608 W
Fluorescent lamps: AC 100 V, max. 1086 VA
AC 230 V, max. 2500 VA
AC 240 V, max. 2608 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 200 µF
Motor load: AC 100 V, max. 434 W
AC 230 V, max. 1000 W
AC 240 V, max. 1043 W
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Current detection (load current):
Detection range: 0.1 A to 16 A (sine effective value or DC)
Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA
Frequency: 50/60 Hz, for alternating current (AC)
Description: 100 mA
Device width: 8 modules = approx. 144 mm
Contents: With bus connecting terminal and cable cover.

Capacitive load: AC 230 V, max. 105 µF
Device width: 6 modules = approx. 108 mm
Contents: With bus connecting terminal and cable cover.

KNX Switch Actuator Basic REG-K/12x/16 A with manual mode

Version	Art. no.
	MTN6700-0012

For independent switching of 12 loads via make contacts. All switch outputs can be operated with manual switches. With integrated bus coupler.
A green LED indicates readiness for operation after the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, logic operation, status feedback per channel, central function, parameterisation for bus voltage failure and recovery.
Rated voltage (nominal voltage): AC 100-240 V, 50-60 Hz
Tolerance range: min. AC 90 V - max. AC 265 V
For each switching contact:
Nominal current: 16 A, inductive load cosφ = 0,6
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1080 W
AC 230 V, max. 2500 W
AC 240 V, max. 2500 W
Fluorescent lamps: AC 100 V, max. 900 VA
AC 230 V, max. 2000 VA
AC 240 V, max. 2000 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 105 µF
Device width: 12 modules = approx. 216 mm
Contents: With bus connecting terminal and cable cover.

Mechanical: $>10^6$
AC1/AC3/AC5 operation: $>3x10^4$
230V, 1A resistive: $>8x10^5$**Incandescent lamps:** 230 V AC, max. 3600 W
Halogen lamps: 230 V AC, max. 2500 W
Fluorescent lamps: AC 230 V, max. 2500 VA
Capacitive load: 230 V AC, 16 A, max. 200 µF
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Device width: 12 modules = approx. 216 mm
Contents: With bus connecting terminal and cable cover.

For each switching contact:
Switching current: 16 A, cosφ= 0.6
AC1 operation: max. 16 A
AC3 operation: max. 10 A
AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: $>10^6$
AC1/AC3/AC5 operation: $>3x10^4$
230V, 1A resistive: $>8x10^5$
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1086 W
AC 230 V, max. 2500 W
AC 240 V, max. 2608 W
Fluorescent lamps: AC 100 V, max. 1086 VA
AC 230 V, max. 2500 VA
AC 240 V, max. 2608 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 200 µF
Motor load: AC 100 V, max. 434 W
AC 230 V, max. 1000 W
AC 240 V, max. 1043 W
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Current detection (load current):
Detection range: 0.1 A to 16 A (sine effective value or DC)
Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA
Frequency: 50/60 Hz, for alternating current (AC)
Description: 100 mA
Device width: 12 modules = approx. 216 mm
Contents: With bus connecting terminal and cable cover.

Defining blind type	■		■		■	■	—	■	■
Slat functionality	■		■		■	■	—	■	■
Calibration (reference movement)	■		■		■	■	■	■	■
Movement range limit	■		—		■	■	■	■	■
Pause on reverse on change in direction	■		■		■	■	■	■	■
Extended drive parameters	■		■		■	■	■	■	■
Control by ■ manual mode via the push-buttons of the actuator ■ automatic objects or preset objects ■ manual operation via objects	 ■ ■ ■		 ■ — ■		 — ■ ■	 ■ ■ ■	 ■ ■ ■	 ■ ■ ■	 ■ ■ ■
Manual mode enable/disable when bus voltage fails	—		■ (Precondition: auxiliary power)		—	—	—	—	■ (Precondition: auxiliary power)
Locking manual operation via objects	■		—		■	■	■	■	■
Weather alarm functions ■ Wind alarm ■ Rain alarm ■ Frost alarm ■ Set the order of priority ■ Behaviour at start/end of the wether alarm	 3 1 1 ■ ■		 1 1 — ■ ■		 3 1 1 ■ ■	 3 1 1 ■ ■	 3 1 1 ■ ■	 3 1 1 ■ ■	 3 1 1 ■ ■
Alarm functions ■ Behavior at the start/end of the alarm	■		—		■	■	■	■	■
Set the order of priority for higher-level functions (alarm, weather alarm, locking, movement range)	■		—		■	■	■	■	■
Scenes	16		5		4	5	5	5	5
Disable function ■ Behavior at the start/end of the locking	■		—		■	■	■	■	■
Behaviour of bus voltage failure / bus voltage recovery / download	■ / ■ / ■		■ / ■ / ■		■ / ■ / ■	■ / ■ / ■	■ / ■ / ■	■ / ■ / ■	■ / ■ / ■
Status messages ■ Hight ■ Slat ■ Automatic ■ Drive locking or movement range limit	 ■ ■ ■ ■		 ■ ■ — —		 ■ ■ ■ ■	 ■ ■ ■ ■	 ■ — ■ ■	 ■ ■ ■ ■	 ■ ■ ■ ■
Line monitoring (sending live signal)	■		—		—	—	—	—	—
Energy saving function	■		—		—	—	—	—	—

Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Blind actuator REG-K/4x24/6 with manual mode

Version	Art. no.
light grey	**MTN648704**

For independent control of 4 blind/roller shutter drives. The function of the blind channels is freely configurable. All blind outputs can be operated manually using push-button operation.
Channel status display via LEDs. A green LED indicates readiness for operation.
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Blind functions: Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.
For each blind output:
Nominal voltage: DC 24 V ±10 %
Nominal current: 6 A
Load types: 24 V direct current drives
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

Version	Art. no.
light grey	**MTN649704**

For independent control of 4 roller shutter drives. The function of the roller shutter channels is freely configurable. All roller shutter outputs can be operated manually using push-button operation.
Channel status display via LEDs. A green LED indicates readiness for operation.
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Roller shutter functions: Running time. Idle time. Differentiated disable functions and weather alarms. 8-bit positioning for height. Scenes. Manual/automatic function. Differentiated status and status feedback functions.
For each roller shutter output:
Nominal voltage: AC 100-240 V ±10%
Operating voltage: min. AC 90 V - max. AC 265 V
Mains frequency: 50-60 Hz ±10%
Nominal current: 10 A, inductive load $\cos\varphi = 0.6$
Motor load: AC 100 V, max. 434 W
AC 230 V, max. 1000 W
AC 240 V, max. 1043 W
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Blind actuator REG-K/8x/10 with manual mode

Version	Art. no.
light grey	**MTN649808**

For independent control of 8 blind/roller shutter drives. The functions of the blind channels is freely configurable. All blind outputs can be operated manually using push-buttons.
Channel status display via LEDs. A green LED indicates readiness for operation.
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Blind functions: Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.
For each blind output:
Nominal voltage: AC 230 V, 50 - 60 Hz
Nominal current:10 A, $\cos\varphi$ = 0.6
Motor load: AC 230 V, max. 1000 W
External auxiliary voltage (optional): AC 110-240 V, 50-60 Hz, max. 2 VA
Device width: 8 modules = approx. 144 mm
Contents: With bus connecting terminal and cable cover.

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.
Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time. Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.
Logic module:
Logic operation, Converter, Blocking element, Comparator, Limit value

Nominal voltage: AC 230 V
Nominal current: ∑ 16 A, ohmic load
Switch contact: Make contact, floating relay contact
Nominal output
Motor: AC 230 V, max. 1380 W
Incandescent lamps: AC 230 V, max. 2500 W
Halogen lamps: AC 230 V, max. 2500 W
HV LED lamps: AC 230 V, max. 400 W
Ohmic load: AC 230 V, 3000 W
Capacitive load: AC 230 V, 16 A, max. 140 µF
LV halogen lamps: max. 1200 VA, wound transformer
max. 1500 W, electronic transformers
Fluorescent lamps: AC 230 V, max. 1000 W, uncompensated
AC 230 V, max. 1160 W (140 µF) with parallel compensation
Inputs: 3
Temperature range: -5 °C to 45 °C
Dimensions: 48x50x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

no reaction).
Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.
Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.
Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.
Scene ext. unit with memory function.
Nominal voltage: AC 230 V, 50/60 Hz
Switching current: 3 A, AC1
Nominal output
Motor: AC 230 V, 600 VA
Inputs: 3
Temperature range: -5 °C to 45 °C
Type of protection: IP 20
Dimensions: 53x53x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

for summer and winter mode with different values). Behaviour when bus voltage recovers and fails. Overload or short circuit signal. Control of the valve drives (switching or via PWM). Function to protect valves from sticking.
Input function:
Free assignment of the switching, dimming, blind and valuator functions. Locking object.
Behaviour when bus voltage recovers.
Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).
Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.
Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.
Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.
Scene ext. unit with memory function.
Nominal voltage: AC 230 V, 50/60 Hz
Blind output
Switching current: 3 A, AC1
Nominal output
Motor: AC 230 V, 600 VA
Heating output
Switch contact: Triac
Nominal current: 5 to 25 mA, max. 2 valve drives
Inputs: 3
Temperature range: -5 °C to 45 °C
Type of protection: IP 20
Dimensions: 53x53x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

function.

Switch actuator functions: Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, status feedback function for each channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Nominal voltage: AC 250 V, 50-60 Hz
Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:
Motor load: 1000 VA

For each switch output:
Nominal load
Incandescent lamps: 2300 W
Halogen lamps: 2300 W
LED: 200 W
Capacitive load: 10 AX, max. 140 µF
Inductive load: 10 A, cosφ = 0.6
Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008
Contents: With bus connecting terminal.

For each switch output:
Nominal load
Incandescent lamps: 2300 W
Halogen lamps: 2300 W
LED: 200 W
Capacitive load: 10 AX, max. 140 µF
Inductive load: 10 A, cosφ = 0.6
Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm
In KNX, to be completed with: SpaceLogic KNX Switch/Blind Master MTN6705-0008, SpaceLogic KNX Universal Dimming Master MTN6710-0102
Accessories: SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002
Contents: With Module Link..

SpaceLogic KNX Cable Link S

Version	Art. no.
30 cm	**MTN6941-0001**

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail.
Length: 30 cm

SpaceLogic KNX Cable Link L

Version	Art. no.
150 cm	**MTN6941-0002**

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail.
Length: 150 cm

SpaceLogic KNX Module Link

Version	Art. no.
	MTN6940-0000

The Module Link connects Master/Extension or Extension/Extension that are placed directly next to each other on the DIN rail.

For each switch output:
Nominal current: 10 A, ohmic load cosφ = 1
10 A, inductive load cosφ = 0.6
Nominal load
Incandescent lamps: AC 100 V, max. 869 W
AC 230 V, max. 2000 W
AC 240 V, max. 2086 W
Halogen lamps: AC 100 V, max. 739 W
AC 230 V, max. 1700 W
AC 240 V, max. 1773 W
Fluorescent lamps: AC 100 V, max. 434 VA
AC 230 V, max. 1000 VA
AC 240 V, max. 1043 VA
parallel-compensated
Capacitive load: AC 230 V, 10 A, max. 105 µF
External auxiliary voltage (optional):
Nominal voltage: AC 110-240 V ±10%
Operating voltage: min. AC 92 V - max. AC 265 V
Device width: 8 modules = approx. 144 mm
Note: The blind actuator/switch actuator cannot be used in conjunction with the weather-dependent automatic functions of the weather combi-sensor/DCF77 art. no. MTN663692. If you require these functions then use the blind actuators art. no. MTN6498...
Contents: With bus connecting terminal and cable cover.

AC 240 V, max. 1043 W
For each switch output:
Nominal current: 10 A, ohmic load cosφ = 1
10 A, inductive load cosφ = 0.6
Nominal load
Incandescent lamps: AC 100 V, max. 869 W
AC 230 V, max. 2000 W
AC 240 V, max. 2086 W
Halogen lamps: AC 100 V, max. 739 W
AC 230 V, max. 1700 W
AC 240 V, max. 1773 W
Fluorescent lamps: AC 100 V, max. 434 VA
AC 230 V, max. 1000 VA
AC 240 V, max. 1043 VA
parallel-compensated
Capacitive load: AC 230 V, 10 A, max. 105 µF
External auxiliary voltage (optional):
Nominal voltage: AC 110-240 V ±10%
Operating voltage: min. AC 92 V - max. AC 265 V
Device width: 12 modules = approx. 216 mm
Note: The blind actuator/switch actuator cannot be used in conjunction with the weather-dependent automatic functions of the weather combi-sensor/DCF77 art. no. MTN663692. If you require these functions then use the blind actuators art. no. MTN6498...
Contents: With bus connecting terminal and cable cover.

Heating actuator functions
PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 9 mA, maximum 20 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 300 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 2x 6-gang

Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 320 A/ 2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 72x90x64 mm

Contents: With bus connecting terminal and cable cover.

Power supply: KNX Bus
Rated current: 10 mA max. 22 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 250 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 8 channels: 3x 6-gang

Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 192 A/1.2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 72x90x64 mm

Contents: With bus connecting terminal and cable cover.

or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 10 mA max. 26 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 300 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 4x 8-gang

Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 320 A/ 2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 216x90x64 mm

Contents: With bus connecting terminal and cable cover.

or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 12 mA max. 28 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 300 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 5x 8-gang

Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 320 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 216x90x64 mm

Contents: With bus connecting terminal and cable cover.

Power supply: KNX Bus
Rated current: 6.5 mA, max. 19 mA/24 V
KNX power consumption: < 600 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 20 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 16 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 4000 W
Fluorescent lamp: 4000 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W
LED lamp: 750 W, cos φ ≥ 0.6
Capacitive loads: 20 AX, 200 µF
Motors: 4000 VA, cos φ ≥ 0.6

Minimum switching current: 100 mA/12 V AC
Connection port KNX: Bus connection terminal
Connection port Mains: Screw terminal blocks, 1x8-gang

Relay data
Switching frequency at rated load: for one channel: 60 operations/min
for all channels: 30 operations/min
Mechanical service life: >1x10^6
Inrush current: 500 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Product dimensions (WxHxD): 4 channels: 72 x 90 x 64 mm

Contents: With bus connecting terminal and cable cover.

Power supply: KNX Bus
Rated current: 6.5 mA, max. 19 mA/24 V
KNX power consumption: < 600 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 20 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 16 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 4000 W
Fluorescent lamp: 4000 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W
LED lamp: 750 W, cos φ ≥ 0.6
Capacitive loads: 20 AX, 200 µF
Motors: 4000 VA, cos φ ≥ 0.6

Minimum switching current: 100 mA/12 V AC
Connection port KNX: Bus connection terminal
Connection port Mains: Screw terminal blocks, 2x8-gang

Relay data
Switching frequency at rated load: for one channel: 60 operations/min
for all channels: 8 channels 20 operations/min
Mechanical service life: >1x10^6
Inrush current: 500 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Product dimensions (WxHxD): 8 channels: 144 x 90 x 64 mm

Contents: With bus connecting terminal and cable cover.

Power supply: KNX Bus
Rated current: 6.5 mA, max. 19 mA/24 V
KNX power consumption: < 600 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 20 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 16 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 4000 W
Fluorescent lamp: 4000 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W
LED lamp: 750 W, cos φ ≥ 0.6
Capacitive loads: 20 AX, 200 µF
Motors: 4000 VA, cos φ ≥ 0.6

Minimum switching current: 100 mA/12 V AC
Connection port KNX: Bus connection terminal
Connection port Mains: Screw terminal blocks, 3x8-gang

Relay data
Switching frequency at rated load: for one channel: 60 operations/min
for all channels: 12 operations/min
Mechanical service life: >1x10^6
Inrush current: 500 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Product dimensions (WxHxD):12 channels 216 x 90 x 64 mm

Contents: With bus connecting terminal and cable cover.

■ Configuration of 1 channel	2x 350 W 1x 350 W	2x 350 W 1x 350 W	2x150 W/VA (110V) 1x400 W/VA (230V), 1x200 W/VA (110V)	2x350 W/VA (230V) 1x350 W/VA (230V)	2x300 W/VA 1x300 W/VA	— 1x500 W/VA	— 1x1000 W/VA
Minimum resistive load	—	—	4 W	4 W	25 W	25 W	25 W
Minimum resistive-inductive load	—	—	25 VA	25 VA	50 VA	50 VA	50 VA
Minimum resistive-capacitive load	—	—	4 W	4 W	50 VA	50 VA	50 VA
Automatic load detection / leading edge (RL-LED, ESL, CFL)	■ / ■	■ / ■	■ / ■	■ / ■	■ / —	■ / —	■ / —
Connection of different Phases	■	■	■	■	—	—	—
Relay for load separation	—	—	■	■	—	—	—
Input for extension unit operation, lockable (switching, staircase lighting function)	—	—	—	—	AC 230 V, 50/60 Hz, for mechanical push-buttons	AC 230 V, 50/60 Hz, for mechanical push-buttons	AC 110-230 V, 50/60 Hz, for mechanical push-buttons
Software							
Manual operation enable/disable via bus		The software functions are provided by the master device	■	■	■	■	■
Dimming function ■ Minimum dimming value / Maximum dimming value ■ Starting behav. / Memory function / 50% brightness (ESL/CFL) ■ Dimming object switches channel ■ Value object switches channel ■ Same dimming time at central function and scenes ■ Delay times for ON and OFF ■ Base dimming curve with 3 threholds ■ Dimming time reduction via object ■ 4 preconfigured dimming sets for the dimming time reduction*	■ / ■ ■ / ■ / ■ ■ ■ ■ ■ ■ ■ ■ ■		■ / ■ ■ / ■ / ■ ■ ■ ■ ■ ■ ■ ■ ■	■ / ■ ■ / ■ / ■ ■ ■ ■ ■ ■ ■ ■ ■	■ / ■ ■ / ■ / — ■ ■ ■ ■ ■ ■ ■ ■	■ / ■ ■ / ■ / — ■ ■ ■ ■ ■ ■ ■ ■	■ / ■ ■ / ■ / — ■ ■ ■ ■ ■ ■ ■ ■
Staircase lighting function with/without manual OFF ■ Retriggerable ■ Not retriggerable ■ Time addable ■ Prewarn	■ ■ ■ ■ ■		■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Scenes (1 byte)			8	8	8	8	8
Central function	■		■	■	■	■	■
Higher priority function	■ Disable function ■ Logic operation or priority function		■ Disable function ■ Logic operation or priority function	■ Disable function ■ Logic operation or priority function	■ Disable function ■ Logic operation or priority function	■ Disable function ■ Logic operation or priority function	■ Disable function ■ Logic operation or priority function

*4 switchable speed sets with 6 values. This corresponds to 24 storable dimming speeds for:
Switch on, switch off staircase timer, dim, values, scenes, higher priority functions.

All dimming outputs can be operated manually using push-buttons (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Dimmer actuator functions: Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

Switch/Blind actuator functions: same as SpaceLogic KNX Switch/Blind Master; only activated when a SpaceLogic KNX Switch/Blind Extension is connected.

Supply voltage: KNX bus, approx. 7.5 mA (Master), approx. 10 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Dimmer type: 3-wire, RC mode, RL mode, RL LED mode

Power dissipation: < 6 W
Dimmer Outputs
Channels: 2 (different phases possible)
Nominal voltage: AC 110 - 240 V, 50/60 Hz
Nominal power:
220-240 V: Incandescent, HV, electronic/wounded transformators: 2x 350 W/VA
220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A
220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A
110-127 V: Incandescent, HV, electronic/wounded transformators: 2x 200 W/VA
110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A
110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A
Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Universal Dimming Extension MTN6810-0102, SpaceLogic KNX Switch/Blind Extension MTN6805-0008
Contents: With bus connecting terminal

Dimmer actuator functions: Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

Supply voltage: via link interface

Dimmer type: 3-wire, RC mode, RL mode, RL LED mode

Power dissipation: < 6 W
Dimmer Outputs
Channels: 2 (different phases possible)
Nominal voltage: AC 110 - 240 V, 50/60 Hz
Nominal power:
220-240 V: Incandescent, HV, electronic/wounded transformators: 2x 350 W/VA
220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A
220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A
110-127 V: Incandescent, HV, electronic/wounded transformators: 2x 200 W/VA
110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A
110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A
Device width: 4 modules = approx. 72 mm
To be completed with: SpaceLogic KNX Universal Dimming Master MTN6710-0102
Accessories: SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002
Contents: With Module Link.

ming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, time accumulating, warning function), scenes (up to 8 internally stored brightness values can be retrieved), central function, logic operations (AND/OR) or priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on mains voltage recovery/bus voltage recovery/download.
Nominal voltage: AC 110 - 130 V / AC 220 - 230 V, 50/60 Hz
Channels: 2 (different phases possible)
Nominal power: 2 x 300 W/VA (230 V), 2 x 150 W/VA (110 V)
1 channel: 1 x 400 W/VA (230 V), 1 x 200 W/VA (110 V)
Minimum load/channel: 4 W (ohmic)
4 W (ohmic-capacitive)
25 VA (ohmic-inductive)
Device width: 4 modules = approx. 72 mm
Note: Information about the "**Dimming LED lamps**" can be obtained on the Internet at "Schneider-Electric dimmer test". http://schneider-electric.dimmer-test.com
Contents: With bus connecting terminal and cable cover.

manual OFF function, non-/retriggerable, time accumulating, warning function), scenes (up to 8 internally stored brightness values can be retrieved), central function, logic operations (AND/OR) or priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on mains voltage recovery/bus voltage recovery/download.
Nominal voltage: AC 110 - 130 V / AC 220 - 230 V, 50/60 Hz
Channels: 4 (different phases possible)
Nominal power: 4 x 250 W/VA (230 V), 4 x 125 W/VA (110 V)
3 channels: 1 x 350 W/VA and 2 x 250 W/VA (230 V), 1 x 175 W/VA and 2 x 125 W/VA (110 V)
2 channels: 2 x 350 W/VA (230 V), 2 x 175 W/VA (110 V)
Minimum load/channel: 4 W (ohmic)
4 W (ohmic-capacitive)
25 VA (ohmic-inductive)
Device width: 8 modules = approx. 144 mm
Note: Information about the "**Dimming LED lamps**" can be obtained on the Internet at "Schneider-Electric dimmer test". http://schneider-electric.dimmer-test.com
Contents: With bus connecting terminal and cable cover.

50 VA minimum load (ohmic/inductive/capacitive)
Input (extension unit operation): AC 230 V, 50/60 Hz (same phase as the dimming channels)
Device width: 6 modules = approx. 105 mm
Extension unit operation: Extension TELE insert MTN573998
Contents: With bus connecting terminal and cable cover.

Universal dimming actuator REG-K/230/500 W

Version	Art. no.
light grey	**MTN649350**

AC 230 V, 50-60 Hz
For switching and dimming incandescent lamps, HV halogen lamps and LV halogen lamps using dimmable wound transformers or electronic transformers.
(Phase control and phase alignment)
With integral bus coupler, screw terminals, short-circuit, open-circuit and excess temperature protection with soft start function.
The dimming actuator automatically recognises the connected load. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Dimming operation via KNX, extension units and on the device, different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback.
Nominal voltage: AC 220 - 230 V, 50/60 Hz
Nominal power/channel: max. 500 W/VA
25 W minimum load (ohmic)
50 VA minimum load (ohmic/inductive/capacitive)
Input (extension unit operation): AC 230 V, 50/60 Hz (same phase as the dimming channel)
Device width: 4 modules = approx. 72 mm
Extension unit operation: Extension TELE insert MTN573998
Contents: With bus connecting terminal and cable cover.

Nominal load
Ohmic loads: AC 110 V /50 Hz, 14-480 W
AC 230 V /50 Hz, 30-1000 W
AC 110 V /60 Hz, 14-400 W
AC 230 V /60 Hz, 30-850 W
Inductive/capacitive loads: AC 110 V /50 Hz, 24-480 VA
AC 230 V /50 Hz, 50-1000 VA
AC 110 V /60 Hz, 24-400 VA
AC 230 V /60 Hz, 50-850 VA
Input (extension unit operation): AC 110-230 V, 50/60 Hz (same phase as the dimming channel)
Device width: 4 modules = approx. 72 mm
Extension unit operation: Extension TELE insert MTN573998
Contents: With bus connecting terminal and cable cover.

and dim step values. Telegram repetition and send stop telegram.
Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time. Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.
Logic module:
Logic operation, Converter, Blocking element, Comparator, Limit value

Nominal voltage: AC 230 V, 50/60 Hz

Connected load at 25 °C
Incandescent/Halogen lamps: AC 230 V, 20 to 230 W
LV halogen lamps: 20 to 210 VA, wounded transformer / 20 to 210 W, electronic transformer
LED leading edge phase control: AC 230 V, 20 to 210 W/VA
LED trailing edge phase control: AC 230 V, 20 to 230 W

Connected load at 45 °C
Incandescent/Halogen lamps: AC 230 V, 20 to 210 W
LV halogen lamps: 20 to 160 VA, wound transformer / 20 to 160 W, electronic transformer
LED leading edge phase control: AC 230 V, 20 to 160 W/VA
LED trailing edge phase control: AC 230 V, 20 to 210 W

Inputs: 3
Dimensions: 48x50x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.
Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time. Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.
Nominal voltage: AC 230 V, 50/60 Hz
Connected load
Ohmic load: AC 230 V, 50 to 210 W
Incandescent lamps: AC 230 V, 50 to 210 W
Halogen lamps: AC 230 V, 50 to 210 W
LV halogen lamps: 50 to 210 W/VA, wound transformer
50 to 210 W, electronic transformers
Inputs: 2
Type of protection: IP 20
Dimensions: 53x53x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1086 W
AC 230 V, max. 2500 W
AC 240 V, max. 2608 W
Fluorescent lamps: AC 100 V, max. 1086 VA
AC 230 V, max. 2500 VA
AC 240 V, max. 2608 VA
parallel-compensated
Capacitive load: AC 100 V, max. 1600 W, 200 µF
AC 230 V, max. 3600 W, 200 µF
AC 240 V, max. 3840 W, 200 µF
0-10 V interface: 0.12-100 mA
Voltage range: DC 0-10 V
Device width: 2.5 HP = approx. 45 mm
Contents: With bus connecting terminal and cable cover.

AC 230 V, max. 2500 VA, with parallel compensation
LV- halogen lamps with wound transformer: max. 2000 VA
0-10 V interface: 0.12-100 mA
Voltage range: DC 0-10 V
Device width: 4 HP = ca. 72 mm
Contents: With bus connecting terminal and cable cover.

In addition the gateway allows the operation of single battery emergency lights (EN 62386-202). Emergency lighting systems with central battery are also supported.

DALI commissioning and configuration, as well as group assignment and scene setting, can be carried out using:
- the device (display and operating buttons which can be optionally disabled),
- the DCA software,
- the integrated Web server

Functions:
- Two separate user profiles with their own password for IP-webserver
- Effect module with 16 effects and a total of up to 500 commands
- Configuring: scenes, effects, service, maintenance, burn-in, operating hours
- Fast Firmware upgrade possible via IP portOperating: device, ECGs, groups and broadcast
- Colour control via KNX for broadcast and groups
- Displays: Status and error messages
- DT8-Colour control on the DALI side, up to 16 colour templates with up to 300 commands basing on a weekly timer
- DALI-scenes with brightness and colour values
- Scene number 1-64 can be flexible distributed over several devices
- Tunable white control to improve the environment for human beings. Colour control i.e. product presentation, advertising
- Possibility to lock the IP-port
- Possibility to access as User or Admin the web server
- Flexible post installation and a DCA with im- and export for DALI configuration
- Possibility to save ECG StandBy energy of DALI groups if switched OFF

KNX software functions: Switching, dimming and value object per group or ECG. Staircase timer function, status objects, delays between status feedbacks. Detailed error messages per EB and group. Test of DALI ECGs for emergency lighting with central battery or built-in battery with selectable test intervals with old or new format. Parallel broadcast triggering of all ECGs, switch-on/switch-off and colour control. Dimming speeds for relative dimming and dimming values. Dimming value max./min. Various modes (normal, permanent, night, panic). Operating hours counter and automatic burn-in per ECG.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Supply voltage: AC/DC 100-240 V, 50-60 Hz
Outputs: DALI D+, D-, typical DC 18 V, short-circuit proof, max 250 mA, basic insulation (no SELV)
Type: Multi-Master Application Controller
Supply current: max. 250 mA, guaranteed 160 mA
Interfaces: KNX, RJ-45 Ethernet 100BaseT, DALI
Wire range: Supply 0.5-4 mm², DALI: 0.4-4 mm²
Type of protection: IP 20
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal.

easier using a WLAN adapter. The internal web pages can be used to start up the device, and to configure, operate and display all important functions.
Functions:
- Two separate user profiles with their own password for IP-webserver
- Effect module with 16 effects and a total of up to 500 commands
- Configuring: scenes, effects, service, maintenance, burn-in, operating hours
- Fast Firmware upgrade possible via IP portOperating: device, ECGs, groups and broadcast
- Colour control via KNX for broadcast and groups
- Displays: Status and error messages
- DT8-Colour control on the DALI side, up to 16 colour templates with up to 300 commands basing on a weekly timer
- DALI-scenes with brightness and colour values
- Scene number 1-64 can be flexible distributed over several devices
- Tunable white control to improve the environment for human beings. Colour control i.e. product presentation, advertising
- Possibility to lock the IP-port
- Possibility to access as User or Admin the web server
- Flexible post installation and a DCA with im- and export for DALI configuration
- Possibility to save ECG StandBy energy of DALI groups if switched OFF

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Switching, dimming and value object per group or ECG. Staircase timer function, status objects, delays between status feedbacks. Detailed error messages per EB and group. Test of DALI ECGs for emergency lighting with central battery or built-in battery with selectable test intervals with old or new format. Parallel broadcast triggering of all ECGs, switch-on/switch-off and colour control. Dimming speeds for relative dimming and dimming values. Dimming value max./min. Various modes (normal, permanent, night, panic). Operating hours counter and automatic burn-in per ECG.
Supply voltage: AC/DC 100-240 V, 50/60 Hz
Outputs: DALI D+, D-, DC 16-18 V (basic insulation, not SELV), max. 128 mA, short circuit-proof
Interfaces: KNX, Ethernet RJ-45, DALI
Type: Category I control device (single master)
Wire range: Supply or DALI: 1.5-2.5 mm²
Type of protection: IP 20
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming, value and colour objects per group, plus switching, value and colour objects for broadcast control. Staircase timer function with dimmed lights, also for advance warning and normal, continuous, night and panic modes. Differentiated error analysis per EB and group. Scenes with brightness and colour. Energy saving thanks to reduction in EB standby losses due to additional KNX switching actuator. The colour control module can be used to control brightnesses and colours based on a weekly time switch. (Requirement: weekday and time synchronisation) Any time interval possible, up to 90 s. The up to 16 time programmes can be controlled using KNX objects. Operating hours can be recorded and reset by group, and transmitted by group as an alarm if a threshold value is exceeded. The firmware can be updated using an FAT32-formatted Micro-SD card.
Supply voltage: AC/DC 100-240 V, 50-60 Hz
Outputs: 1x DALI D+, D-, typically 16 V DC, short-circuit proof max. 250 mA, basic insulation (no SELV)
Output current: max. 250 mA, min. 128 mA
Interfaces: KNX, DALI
Type: Single Master application controller. From firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 -> DALI-2 compatible
Wire range: Mains supply or DALI: 1 - 2.5 mm²
IP protection rating: IP20
Housing width: 4 HP = approx. 69 mm
Contents: With bus connecting terminal.

bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming, value and colour objects per group, plus switching, value and colour objects for broadcast control. Staircase timer function with dimmed lights, also for advance warning and normal, continuous, night and panic modes. Differentiated error analysis per EB and group. Scenes with brightness and colour. Energy saving thanks to reduction in EB standby losses due to additional KNX switching actuator. The colour control module can be used to control brightnesses and colours based on a weekly time switch. (Requirement: weekday and time synchronisation) Any time interval possible, up to 90 s. The up to 16 time programmes can be controlled using KNX objects. Operating hours can be recorded and reset by group, and transmitted by group as an alarm if a threshold value is exceeded. The firmware can be updated using an FAT32-formatted Micro-SD card.
Supply voltage: AC/DC 100-240 V, 50/60 Hz
Outputs: 2x DALI D+, D-, typically 16 V DC, short-circuit proof max. 250 mA, basic insulation (no SELV)
Output current: max. 250 mA, min. 128 mA
Interfaces: KNX, DALI
Type: Single Master application controller. From firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 -> DALI-2 compatible
Wire range: Mains supply or DALI: 1.5 - 2.5 mm²
IP protection rating: IP20
Housing width: 4 HP = approx. 69 mm

Device width: 4 modules = approx. 72 mm
In KNX, to be completed with: SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN683529
Contents: With bus connecting terminal and cable cover.

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions
- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA
Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA
Screen: 10 cm (3.95") LCD, 480 x 480 pixels
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 86 x 86 x 32 mm
Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5 and higher.

- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM. Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display MTN5775-0003
Note: Programmable with ETS4 and higher.
Contents: With bus connecting terminal and supporting plate.

display mode, time, switching times and brightness of the display.
The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.
Contents: With bus connecting terminal and supporting plate.
Screw for protection against dismantling.
With protective hood for plaster.

backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.
The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.
Transmitter: IR universal remote control MTN5761-0000
To be completed with: M-Smart frame, 2-gang without central bridge piece MTN4788.., M-Arc frame, 2-gang without central bridge piece MTN4858.., M-Star frame, 2-gang without central bridge piece MTN4668.., MTN4768.., MTN4868.., M-Plan frames, 2-gang without central bridge piece MTN4888.., MTN5158.., Metal frame, 2-gang without central bridge piece M-Elegance MTN4038.., Real glass frame, 2-gang without central bridge piece M-Elegance MTN4048..
Contents: With bus connecting terminal and supporting plate.
Screw for protection against dismantling.
With protective hood for plaster.

With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.
Functions of the push-buttons:

Selection of 1- 4 operating modes each push-button. Move setpoint.
Accessories: Protective hood for plaster System M MTN627591
Contents: With bus connecting terminal and supporting plate.
Screw for protection against dismantling.
With protective hood for plaster.

low current LEDs.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the room temperature control unit:
Controller type: 2-step control, continuous PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs

Operating modes: comfort, comfort extension, standby, night economy, frost/heat protection
Operation: Setpoint adjustment can be parameterised in the range with adjusting wheel; presence push-button functions can be parameterised/switched off
Valve protection, controller disable
Push-button interface functions:
Switching, dimming, external blinds, valuator (dimming valuator, extension unit for light scenes with/without memory function, temperature valuator, brightness valuator).
Push-button interface: up to 4 inputs, 2 of which can be used as outputs and one for connecting the remote sensor.
Output voltage: 5 V (SELV)
Output current: max. 0.8 mA
Max. cable length: Inputs/outputs max. 5 m, remote sensor max. 50 m
Accessories: Remote sensor for room temperature control unit UP/PI MTN616790

Remote sensor for room temperature control unit UP/PI

Version	Art. no.
black	**MTN616790**

Temperature sensor the floor/room temperature measurement
Cable length: 4 m (2 x 0.75 mm²)
To be completed with: KNX Room temperature control unit, flush-mounted/PI with 4-gang push-button interface
System M MTN6167.., MTN6168..

With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Operation: only via bus telegrams.
Contents: With bus connecting terminal and supporting plate.
With protective hood for plaster.

- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.
Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display MTN5775-0003
Fixing frame for 3-module box MTN6270-0015
D-Life frame, 1-gang, for 3-module box MTN6010-65xx
Note: Programmable with ETS4 and higher.
Contents: With bus connecting terminal and supporting plate.

■	aluminium	**ALB46154**	**Discontinued**

2 modules
In Altira design.
KNX Room temperature control unit with display and 4 buttons. 2 buttons allow to shift set values and change operation modes, the other 2 buttons are used for navigation in the menu. The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.
Functions of the push-buttons:

Selection of 1- 4 operating modes each push-button. Move setpoint.
Contents: With bus connecting terminal.

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.
Functions of the push-buttons:

Selection of 1- 4 operating modes each push-button. Move setpoint.
Contents: With bus connecting terminal.

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.
Functions of the push-buttons:

Selection of 1- 4 operating modes each push-button. Move setpoint.
Contents: With bus connecting terminal.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions - valve: valve activation (deenergised opened / closed) can be configured for each output, actuator evaluation as “Switching, 1-bit”, “Constant, 1-byte” or “Constant 1-byte with actuator limiting value and hysteresis”, status feedback, collective feedback of all valve states via 4-byte telegram, combined valve status via 1 byte, failure signal of the valve operating voltage can be configured, overload and short-circuit signal for each valve output, automatic valve rinsing, summer/winter switch-over for valve outputs, valve command value limit, forced position configurable, activation of service mode with defined valve position

KNX software functions - RTC: operating modes “Heating”, “Cooling”, “Heating and Cooling” each with or without additional level, configuration of the temperature setpoints as relative (derived from basic setpoint) or absolute (independent setpoint temperatures for each operating mode), PI control, PWM or switching 2-point feedback control, automatic or object-oriented switch-over between “Heating” and “Cooling”, temporary or permanent setpoint shift through communication objects possible (e.g. via a controller extension), configurable step width of the setpoint shift (0.1 K / 0.5 K), calibration of the temperature values possible and measured value formation of the external sensors can be configured, separate or shared command value output in heating and cooling mode, floor temperature limit in heating mode, setpoint temperature limit in cooling mode, operating hours counter to record the switch-on times of the valve outputs

Nominal voltage: AC 110-230 V, 50/60 Hz
Outputs: 6, electronic AC 24 V / 230 V
Switching current: 5 ... 160 mA
Switch-on current AC 230 V: max. 1.5 A (2 s)
Switch-on current AC 24 V: max. 0.3 A (2 min)
Number of valve drives: max. 4 per output (230 V drives)
max. 2 per output (24 V drives)
Power consumption KNX: max. 250 mW
Device width: 4 modules = approx. 72 mm
Accessories: Thermoelectric valve drive 230 V MTN639125
Thermoelectric valve drive 24 V MTN639126
Contents: With bus connecting terminal and cable cover.

directly or via actuators / suitable dimming actuators. Fan speed feedback is possible via corresponding status feedback objects e.g. status LED of a push-button.

Valve control:
Type of controller: P / PI controller
Controller mode: Heating and/or cooling with common or separate valve outputs.
Operating modes: Operating modes can be selected by object

Power supply: AC 100-240 V, 50-60 Hz
Power consumption: max. 1.7 W, stand-by <0.5 W
Minimum load additional/fan relay: 12 V, 100 mA

Outputs:
Additional relay switching capacity: 16 A
Fan relay switching capacity: 6 A
Fan and valves: 0-10 V, max. 10 mA

Inputs: 2, max. cable length 5 m
Operation: Key for fan levels and heating/cooling mode
Displays: 9 status LEDs
Device width: 4 modules = approx. 72 mm
Accessories:
Push-button 2-gang plus with room temperature control unit System M MTN6212-03.. /-04..,
Push-button 4-gang plus with room temperature control unit System M MTN6214-03.. /-04..,
KNX Multitouch Pro System M MTN6215-03.., System D MTN6215-59.., System D MTN6216-5910

Power supply: AC 230 V ±10 %, 50/60 Hz
Power consumption: max. 3 VA
Outputs: 3 floating contacts (fan coil), 2 semi-conductor switches (valve connections)
Switching capacity for valves: 0.5 A, AC 24V - 230 V
Additional relay switching capacity: 16 A
Fan relay switching capacity: 8 A
Inputs: 2, max. cable length 5 m
Operation: Key for fan levels and heating/cooling mode
Displays: 9 status LEDs
Device width: 4 modules = approx. 72 mm
Accessories: Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126, Push-button 2-gang plus with room temperature control unit System M MTN6212-03.. /-04.., Push-button 4-gang plus with room temperature control unit System M MTN6214-03.. /-04..

Minimum load per used output: 1 valve drive
Number of valve drives: max. 4 per output (230 V drives)
max. 2 per output (24 V drives)
Device width: 4 modules = approx. 72 mm
Accessories: Thermoelectric valve drive 230 V MTN639125
Thermoelectric valve drive 24 V MTN639126
Contents: With bus connecting terminal and cable cover.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step), Time between short and long operation. Slat adjustment time. Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.
Nominal voltage: AC 230 V, 50/60 Hz
Switch contact: Triac
Nominal current: 5 to 25 mA, max. 2 valve drives
Inputs: 3
Temperature range: -5 °C to 45 °C
Type of protection: IP 20
Dimensions: 53x53x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

for summer and winter mode with different values). Behaviour when bus voltage recovers and fails. Overload or short circuit signal. Control of the valve drives (switching or via PWM). Function to protect valves from sticking.
Input function:
Free assignment of the switching, dimming, blind and valuator functions. Locking object. Behaviour when bus voltage recovers.
Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).
Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.
Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time. Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.
Nominal voltage: AC 230 V, 50/60 Hz
Blind output
Switching current: 3 A, AC1
Nominal output
Motor: AC 230 V, 600 VA
Heating output
Switch contact: Triac
Nominal current: 5 to 25 mA, max. 2 valve drives
Inputs: 3
Temperature range: -5 °C to 45 °C
Type of protection: IP 20
Dimensions: 53x53x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

Positioning force: 100 N ± 5 %
Circulating medium temperature: 0-100°C
Type of protection: IP 54 / II, in all installation positions
Connecting cable: 1 m, 2x0.75 mm² pluggable
Dimensions: 59.2x44.3x56 mm (HxWxD)
To be completed with: Room temperature control insert with switch MTN536302/04
In KNX, to be completed with: SpaceLogic KNX Heating actuator REG-K/6x24/230/0.16A MTN6730-0001
SpaceLogic KNX Fan coil actuator REG-K MTN645094
KNX heating actuator FM with 3 inputs MTN6003-0005
KNX blind and heating actuator with 3 inputs MTN6003-0006
Accessories: Valve adapter VA50 for thermoelectric valve drive MTN639150
Valve adapter VA78 for thermoelectric valve drive MTN639178
Valve adapter VA80 for thermoelectric valve drive MTN639180

Positioning force: 100 N ± 5%
Medium temperature: 0-100°C
Type of protection/protection class: IP 54 / II, in all installation positions
Connecting cable: 1 m, 2x0.75 mm² pluggable
Dimensions: 59.2 x 44.3 x 56 mm (HxWxD)
To be completed with: Room temperature control insert with switch MTN536302/04
SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
In KNX, to be completed with: SpaceLogic KNX Heating actuator REG-K/6x24/230/0.16A MTN6730-0001 SpaceLogic KNX Fan coil actuator REG-K MTN645094
SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Accessories: Valve adapter VA50 for thermoelectric valve drive MTN639150
Valve adapter VA78 for thermoelectric valve drive MTN639178
Valve adapter VA80 for thermoelectric valve drive MTN639180

For Heimeier, Herb, Onda, Schlösser (from 1993), Oventrop M30x1.5, TeSa.
Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors
To be completed with: Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126

Version	Art. no.
light grey	**MTN663529**

Power supply for 24 V binary inputs, weather station REG-K/4-gang, analogue input module REG-K/4-gang, rain sensor, wind sensor with 0 - 10 V interface and heating, KNX/IP router REG-K.
With fuse.
For installation on DIN rails TH35 according to EN 60715.
Primary supply: AC 230 V, +/- 10 %, 50-60 Hz
Output voltage: AC 24 V
Output current: max. 1 A
Fuse: 5x20 mm, 250 V, T 160 mA
Device width: 5 modules = approx. 90 mm
For supplying power to: Binary input REG-K/8x24 MTN644792, SpaceLogic KNX Weather station REG-K/4-gang MTN682991, Rain sensor MTN663595, Wind sensor with 0-10 V interface and heating MTN683592, KNX/IP router REG-K MTN680329, Thermoelectric valve drive 24 V MTN639126
Contents: With spare fuse.

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