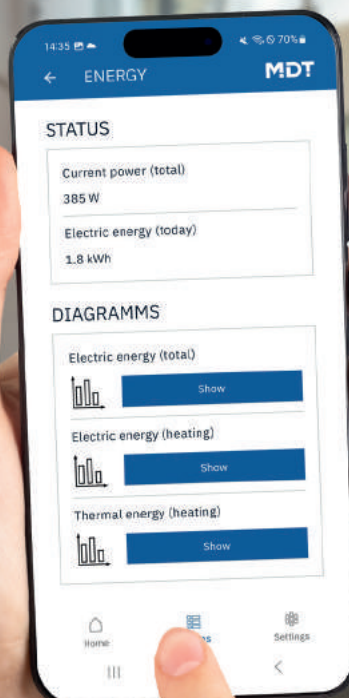# Price list

**04 / 2023 | EN**

MDT – your KNXpert

# MDT
## TECHNOLOGIES

1

Eingang

# MDT – your KNXpert

MDT is one of the leading manufacturers of KNX products for the automation of commercial and private buildings. Our mid sized company and staff stand for top quality and user-oriented thinking. With a good 300 different KNX products, we offer one of the most comprehensive KNX product ranges on the market. A multitude of intelligent functions in the products, offer users appreciable added value.

The constant further development of our product range guarantees innovative products at the highest quality. We belong to the innovation elite of the German SME's and among other things, have been awarded in 2023 for the eighth consecutive year running the TOP 100 innovation prize for SME's.

MDT develops and produces high-quality KNX technology in Engelskirchen near Cologne in Germany. Every day thousands of products – sensors, actuators, push buttons, control units, etc. – leave our plant. This is made possible by the flexible production setup, which is agilely aligned with demand. Our innovative product range is complemented with first-class support and personal contact with our customers. Our KNXperts are happy to help you with any questions or problems!

# Product overview

## Switch Actuators

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# Overview Switch Actuators

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|---|---|---|---|---|---|---|
| Installation type | MDRC | MDRC | MDRC | UP | MDRC | MDRC |
| Number of channels | 4 / 8 / 12 | 2 / 4 / 8 / 12 | 2 / 4 / 8 / 12 / 16 / 20 / 24 | 1 / 2 | 4 / 8 / 12 | 4 / 8 / 12 |
| Dimensions (SU) | 4 / 8 / 12 | 2 / 4 / 6 / 8 | 2 / 4 / 6 / 8 / 8 / 12 / 12 | flush mounted | 4 / 8 / 12 | 4 / 8 / 12 |
| Manual operation | ■ | ■ | ■ | – | ■ | ■ |
| Manual operation lockable | – | ■ | ■ | – | ■ | ■ |
| Status at manual operation | – | ■ | ■ | – | ■ | ■ |
| Status LED for each channel | – | ■ | ■ | – | ■ | ■ |
| Turn off LEDs (Ecomode) | – | ■ | ■ | – | – | – |
| Max. nominal current for each channel | 16 / 20 A | 10 A | 16 A | 16 A | 16 / 20 A | 16 A |
| Max. inrush current | 600 A | 400 A | 400 A | 400 A | 600 A | 400 A |
| Capacitive load / C-Load | 200 µF | 140 µF | 140 µF | 140 µF | 200 µF | 140 µF |
| Relay type | bistable | bistable | bistable | bistable | bistable | bistable |
| Screw terminal 4 mm² | ■ | ■ | ■ | – | ■ | ■ |
| Current measurement 10 mA - 20 A | – | – | – | – | ■ | ■ |
| Active power measurement | – | – | – | – | – | – |
| NO and NC contact operation | ■ | ■ | ■ | ■ | ■ | ■ |
| ON / OFF switching delay | ■ | ■ | ■ | ■ | ■ | ■ |
| 3 channel synchronous switching | ■ | ■ | ■ | ■ | ■ | ■ |
| Impulse function | ■ | ■ | ■ | ■ | ■ | ■ |
| Central switching function | ■ | ■ | ■ | ■ | ■ | ■ |
| Staircase light function: | ■ | ■ | ■ | ■ | ■ | ■ |
|    Warning by light | ■ | ■ | ■ | ■ | ■ | ■ |
|    Warning by object | ■ | ■ | ■ | ■ | ■ | ■ |
|    Staircase light time by object | ■ | ■ | ■ | ■ | ■ | ■ |
|    Staircase light time retrigger | ■ | ■ | ■ | ■ | ■ | ■ |
|    Staircase light time summable | ■ | ■ | ■ | ■ | ■ | ■ |
| Threshold value Byte / 2 Byte / 2 Byte float | ■ | ■ | ■ | ■ | ■ | ■ |
| Scene function learnable | ■ | ■ | ■ | ■ | ■ | ■ |
| Logic function AND / OR | ■ | ■ | ■ | ■ | ■ | ■ |
| Logic function AND / OR / XOR / TOR | ■ | ■ | ■ | ■ | ■ | ■ |
| Priority object / forced operation | ■ | ■ | ■ | ■ | ■ | ■ |
| Release time for forced operation | ■ | ■ | ■ | ■ | ■ | ■ |
| Behavior at bus voltage failure | ■ | ■ | ■ | ■ | ■ | ■ |
| Behavior at bus voltage return | ■ | ■ | ■ | ■ | ■ | ■ |
| Behavior after locking | ■ | ■ | ■ | ■ | ■ | ■ |
| Behavior after forced operation | ■ | ■ | ■ | ■ | ■ | ■ |
| Status active / passive | ■ | ■ | ■ | ■ | ■ | ■ |
| Status inverted | ■ | ■ | ■ | ■ | ■ | ■ |
| Hour meter for switching | ■ | ■ | ■ | ■ | ■ | ■ |
| Shutter function | – | – | – | – | – | – |
| Heating control with PWM | – | – | – | – | – | – |
| „In operation" telegram | ■ | ■ | ■ | ■ | ■ | ■ |
| Long frame support for ETS 5 | ■ | ■ | ■ | ■ | ■ | ■ |

| Series | AZI-xx16.01 | AKK-xx16.03 | AKK-xxUP.03 | AKU-xx16.03 | AKU-xxUP.03 | |
|---|---|---|---|---|---|---|
| Installation type | MDRC | MDRC | flush mounted | MDRC | flush mounted | |
| Number of channels | 3 / 6 | 2 / 4 / 8 / 16 / 24 | 1 / 2 / 3 | 4 / 6 / 8 / 16 / 24 | 2 / 2 | |
| Dimensions (SU) | 4 / 8 | 2 / 2 / 4 / 8 / 12 | flush mounted | 4 / 4 / 4 / 8 / 12 | flush mounted | |
| Manual operation | ■ | ■ | – | ■ | – | |
| Manual operation lockable | ■ | ■ | – | ■ | – | |
| Status at manual operation | ■ | ■ | – | ■ | – | |
| Status LED for each channel | ■ | ■ | – | ■ | – | |
| Turn off LEDs (Ecomode) | – | ■ | – | ■ | – | |
| Max. nominal current for each channel | 16 / 20 A | 16 A | 16 / 10 / 10 A | 16 A | 10 A | |
| Max. inrush current | 600 A | 200 A | 200 / 40 / 40 A | 300 A | 40 A | |
| Capacitive load / C-Load | 200 µF | 70 µF | 70 / 14 / 14 µF | 100 µF | 14 µF | |
| Relay type | bistable | bistable | bi / mo / mo | bistable | monostable | |
| Screw terminal 4 mm² | ■ | - / - / ✓ / ✓ / ✓ | – | ■ | – | |
| Current measurement 10 mA-20 A | ■ | – | – | – | – | |
| Active power measurement | ■ | – | – | – | – | |
| NO and NC contact operation | ■ | ■ | ■ | ■ | ■ | |
| ON / OFF switching delay | ■ | ■ | ■ | ■ | ■ | |
| 3 channel synchronous switching | ■ | – | – | – | – | |
| Impulse function | ■ | ■ | ■ | ■ | ■ | |
| Central switching function | ■ | ■ | ■ | ■ | ■ | |
| Staircase light function: | ■ | ■ | ■ | ■ | ■ | |
|    Warning by light | ■ | ■ | ■ | ■ | ■ | |
|    Warning by object | ■ | ■ | ■ | ■ | ■ | |
|    Staircase light time by object | ■ | – | – | ■ | ■ | |
|    Staircase light time retrigger | ■ | ■ | ■ | ■ | ■ | |
|    Staircase light time summable | ■ | ■ | ■ | ■ | ■ | |
| Threshold value Byte / 2 Byte / 2 Byte float | ■ | – | – | ■ | ■ | |
| Scene function learnable | ■ | ■ | ■ | ■ | ■ | |
| Logic function AND / OR | ■ | ■ | ■ | ■ | ■ | |
| Logic function AND / OR / XOR / TOR | ■ | – | – | ■ | ■ | |
| Priority object / forced operation | ■ | – | – | ■ | ■ | |
| Release time for forced operation | ■ | – | – | ■ | ■ | |
| Behavior at bus voltage failure | ■ | ■ | ✓ / - / - | ■ | ■ | |
| Behavior at bus voltage return | ■ | ■ | ■ | ■ | ■ | |
| Behavior after locking | ■ | ■ | ■ | ■ | ■ | |
| Behavior after forced operation | ■ | – | – | ■ | ■ | |
| Status active / passive | ■ | ■ | ■ | ■ | ■ | |
| Status inverted | ■ | ■ | ■ | ■ | ■ | |
| Hour meter for switching | ■ | – | – | ■ | ■ | |
| Shutter function | – | – | – | ■ | ■ | |
| Heating control with PWM | – | – | – | ■ | ■ | |
| „In operation" telegram | ■ | ■ | ■ | ■ | ■ | |
| Long frame support for ETS 5 | – | ■ | ■ | ■ | ■ | |

# Overview Shutter Actuators

| Series | JAL-0x10.02 | JAL-0x10M.02 | JAL-0x10D.02 | JAL-01UP.02 | JAL-B1UP.02 | AKU-xx16.03 | AKU-xxUP.03 |
|---|---|---|---|---|---|---|---|
| Installation type | MDRC | MDRC | MDRC | flush mounted | flush mounted | MDRC | flush mounted |
| Number of channels | 2 / 4 / 8 | 4 / 8 | 4 / 8 | 1 | 1 | 4 / 6 / 8 / 16 / 24 | 2 / 2 |
| Number of inputs | – | – | – | – | 4 | – | - / 4 |
| Dimensions (SU) | 2 / 4 / 8 | 4 / 8 | 4 / 8 | UP | UP | 4 / 4 / 4 / 8 / 12 | UP |
| Motor type | 230 V AC | 230 V AC | 24 V DC | 230 V AC | 230 V AC | 230 V AC | 230 V AC |
| Max. switching current | 8 A | 8 A | 8 A | 6 A | 6 A | 16 A | 10 A |
| Max. load shutter motor | 300 W | 300 W | 180 W | 300 W | 300 W | 600 W | 300 W |
| Automatic travel time measurement | – | ■ | – | – | – | – | – |
| Commutator circuit for 24 V DC motors | – | – | ■ | – | – | – | – |
| Manual operation | ■ | ■ | ■ | – | – | ■ | – |
| Manual operation lockable | ■ | ■ | ■ | – | – | ■ | – |
| Status LED for each channel | ■ | ■ | ■ | – | – | ■ | – |
| Turn off LEDs (Ecomode) | ■ | ■ | ■ | – | – | ■ | – |
| Tip operation for accurate shutter positioning | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Up / Down for stop (single object control) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Reversible motor connections Up / Down | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Central functions separately lockable | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Alarm functions (Wind / Rain / Frost) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Behavior after alarms separately adjustable | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Lock functions | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Behavior after lock | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Extended lock functions | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Extended status active / passive | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Extended scene functions | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Extended automatic positions | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Scene functions learnable | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Priority object / forced operation | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Release time for forced operation | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Behavior after forced operation adjustable | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Ventilation function (window open / tilt) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Automatic sun protection with sun position calculation | ■ | ■ | ■ | – | ■ | ■ | ■ |
| Sun position calculation | ■ | ■ | ■ | – | ■ | ■ | ■ |
| Outside temperature lockable for sun protection | ■ | ■ | ■ | – | ■ | ■ | ■ |
| Room temperature enabling for sun protection | ■ | ■ | ■ | – | ■ | ■ | ■ |
| 2 shutter positions for roller shutter | ■ | ■ | ■ | – | ■ | ■ | ■ |
| Behavior on bus voltage failure | - / ✓ / ✓ | ■ | ■ | – | – | – | – |
| Behavior on bus voltage return | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Switch actuator function | – | – | – | – | – | ■ | ■ |
| Heating control with PWM | – | – | – | – | – | ■ | ■ |
| „In operation" telegram | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Long frame support for ETS 5 | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

# Quick Finder

**MDT** TECHNOLOGIES

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KNX®  Made in Germany  3 Year warranty

# Actuators

They are invisible in daily life, but they are indispensable for the KNX smart home. The KNX actuators control all areas of your smart home from the consumer unit. As one of the leading manufacturers of KNX products, we offer you  Actuators, which functions are tailored to your requirements: KNX Switch Actuators control lights and sockets, while KNX dimming actuators are used to dim the light. KNX Shutter Actuators provide shade depending on the position of the sun, and KNX Heating Actuators provide the right level of heat. KNX Universal Actuators offer you a combination for different functions.

## Highlights of the MDT actuators

### KNX Switch Actuators that take up 30 % less space in the consumer unit

The larger the KNX installation, the more space is needed in the consumer unit. This means that for planning purposes it is important to accommodate as many functions in as few components as possible. The 20-fold / 24-fold Switch Actuators of the MDT AKS series cut space requirements by up to 30 % compared with other manufacturers.

### KNX Shutter Actuators with travel time measurement saves set up time

With standard shutter actuators, the travel time for the shading needs to be measured manually and set for each channel individually. MDT has found an optimal solution for this. The new KNX Shutter Actuator has an automatic travel time measurement function, which, by the commisioning has to be activated only once. Then, the actuator independently measures the travel time for the sun shading for each channel, which reduces your commisioning time. Ongoing travel time correction in the background ensures permanent and optimal runtime setting for the shutter motors.

### KNX Heating Actuators with clear text diagnosis for efficient troubleshooting

The MDT Heating Actuator has, clear text diagnosis. It displays the current status / error status via a 14 byte object per channel. Through which errors can be localised quickly and allows for an efficient troubleshooting to be conducted by the system integrator.

### KNX Dimming Actuators with time-dependent dimming

Energy saving for your customer, dimming the light in the evening, so that instead of 100 % lighting only 20 % illumination is given. Adequate for orientation and does not interfere with adjacent rooms. In the MDT Dimming Actuator, percentage values for the lighting can be preset. Either one value each is defined for day / night, or – and this is only possible with MDT – to set up time-dependent dimming.
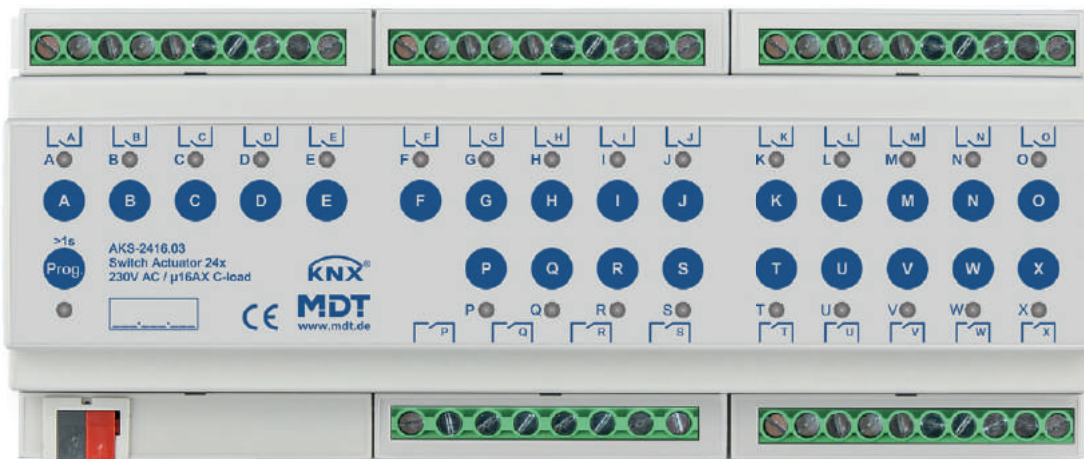


AKS-2416.03

# Switch Actuators

## Switch Actuators AKI industry

**Industrial version** with bistable relays
4 / 8 / 12-fold, 230 V AC
Current max. 16/20 A
**C-load** max. 200 µF

- **Comprehensive application**
- **Manual operation of the relay contact, status visible**
- NO and NC contact operation
- Time functions (switch-on / switch-off delay)
- Extensive staircase light and impulse functions
- **Extended logic and scene functions for each channel**
- Extended status functions (inverted, cyclic, with block)
- **Threshold switch (Byte / 2 Byte / 2 Byte float)**
- **Hour meter for switching**
- **Priority / forced operation with automatic release time**
- 4 mm² / 2 x 2.5 mm² screw terminals. Separate supply phases
- Power supply via KNX bus
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Switch Actuator 4-fold, 4SU MDRC, 16/20 A, 230 V AC, C-load** | | | | |
| | **4-fold** 4SU MDRC | AKI-0416.04 | A | **274,00 €** |
| **Switch Actuator 8-fold, 8SU MDRC, 16/20 A, 230 V AC, C-load** | | | | |
| | **8-fold** 8SU MDRC | AKI-0816.04 | A | **373,00 €** |
| **Switch Actuator 12-fold, 12SU MDRC, 16/20 A, 230 V AC, C-load** | | | | |
| | **12-fold** 12SU MDRC | AKI-1216.04 | A | **455,00 €** |

## Switch Actuator AMI current measurement

**Industrial version** with bistable relays
4 / 8 / 12-fold, 230 VAC
Current max. 16/20 A
**C-load** max. 200 µF

- **Comprehensive application**
- **Integrated True RMS current measurement (current, kWh)**
- **Current measurement range 10 mA to 20 A**
- **Integrated energy consumption meter function (Wh/kWh)**
- **Fast reaction <1s at Master / Slave operation**
- Push Button for manual operation and LED indicator for each channel
- Time functions (switch-on / switch-off delay, staircase light function)
- **Threshold switch function and Consumption threshold value**
- Logical linking of binary data, 8 scenes per channel
- Operating hours meter
- Extended status functions (inverted, cyclic, when locked)
- Priority / forced operation with automatic release time
- Adjustable behaviour on bus voltage failure / -return
- All L-connections separated, 4 mm² / 2 x 2.5 mm² connection terminals

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Switch Actuator 4-fold, 4SU MDRC, 16/20 A, 230 V AC, C-load with current measurement** | | | | **New Series** |
| | **4-fold** 4SU MDRC | AMI-0416.03 | A | **307,00 €** |
| **Switch Actuator 8-fold, 8SU MDRC, 16/20 A, 230 V AC, C-load with current measurement** | | | | **New Series** |
| | **8-fold** 8SU MDRC | AMI-0816.03 | A | **416,00 €** |
| **Switch Actuator 12-fold, 12SU MDRC, 16/20 A, 230 V AC, C-load with current measurement** | | | | **New Series** |
| | **12-fold** 12SU MDRC | AMI-1216.03 | A | **514,00 €** |

# Switch Actuators

## Switch Actuator AZI active power measurement

**Industrial version** with bistable relays
3 / 6-fold, 230 V AC
Current max. 16/20 A
**C-load** max. 200 µF

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Switch Actuator 3-fold, 4SU MDRC, 16/20 A, 230 V AC. C-load with active power measurement** | | | **New Series** |
| **3-fold** 4SU MDRC | **AZI-0316.03** | A | **307,00 €** |
| **Switch Actuator 6-fold, 8SU MDRC, 16/20 A, 230 V AC. C-load with active power measurement** | | | **New Series** |
| **6-fold** 8SU MDRC | **AZI-0616.03** | A | **422,00 €** |

- **Comprehensive application**
- **Integrated True RMS current measurement and voltage measurement**
- **True active power meter (Wh / kWh)**
- **Current measurement range 10 mA to 20 A**
- **Active power-, reactive power-, current- and voltage values**
- Push Button for manual operation and LED indicator for each channel
- Time functions (switch-on / switch-off delay, staircase light function)
- **Threshold switch function and Consumption threshold value**
- Priority / forced operation with automatic release time
- Logical linking of binary data, 8 scenes per channel
- Operating hours meter
- Extended status functions (inverted, cyclic, when locked)
- Adjustable behaviour on bus voltage failure / -return
- All L-connections separated, 4 mm² / 2 x 2.5 mm² connection terminals

# Switch Actuators

## Switch Actuator AKS Standard 16 A

**Standard version** with bistable relays
2 / 4 / 8 / 12-fold, 230 V AC
Current max. 16 A
**C-load** max. 140 µF

- **Space saving design**
- **Comprehensive application**
- Lockable manual operation and LED indicator for each channel
- NO and NC contact operation
- Status response with manual operation
- Time functions (switch-on / switch-off delay, staircase light function)
- Extended logic and scene functions for each channel
- Extended status functions (inverted, cyclic, with block)
- **Threshold switch (Byte / 2 Byte / 2 Byte float)**
- **Hour meter for switching**
- **Priority / forced operation with automatic release time**
- 4 mm² / 2 x 2.5 mm² screw terminals. Separate supply phases
- Power supply via KNX bus
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Switch Actuator 2-fold, 2SU MDRC, 16 A, 230 V AC, C-load** | | | | |
| **2-fold** 2SU MDRC | | AKS-0216.03 | A | **194,00 €** |
| **Switch Actuator 4-fold, 4SU MDRC, 16 A, 230 V AC, C-load** | | | | |
| **4-fold** 4SU MDRC | | AKS-0416.03 | A | **241,00 €** |
| **Switch Actuator 8-fold, 6SU MDRC, 16 A, 230 V AC, C-load** | | | | |
| **8-fold** 6SU MDRC | | AKS-0816.03 | A | **334,00 €** |
| **Switch Actuator 12-fold, 8SU MDRC, 16 A, 230 V AC, C-load** | | | | |
| **12-fold** 8SU MDRC | | AKS-1216.03 | A | **414,00 €** |

## Switch Actuator AKS Standard 16 A

**Standard version** with bistable relays
16 / 20 / 24-fold, 230 V AC
Current max. 16 A
**C-load** max. 140 µF

- **Space saving design**
- **Comprehensive application**
- Lockable manual operation and LED indicator for each channel
- NO and NC contact operation
- Status response with manual operation
- Time functions (switch-on / switch-off delay, staircase light function)
- Extended logic and scene functions for each channel
- Extended status functions (inverted, cyclic, with block)
- **Threshold switch (Byte / 2 Byte / 2 Byte float)**
- **Hour meter for switching**
- **Priority / forced operation with automatic release time**
- 4 mm² / 2 x 2.5 mm² screw terminals. Separate supply phases
- Power supply via KNX bus
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Switch Actuator 16-fold, 8SU MDRC, 16 A, 230 V AC, C-load** | | | | |
| **16-fold** 8SU MDRC | | AKS-1616.03 | A | **489,00 €** |
| **Switch Actuator 20-fold, 12SU MDRC, 16 A, 230 V AC, C-load** | | | | |
| **20-fold** 12SU MDRC | | AKS-2016.03 | A | **597,00 €** |
| **Switch Actuator 24-fold, 12SU MDRC, 16 A, 230 V AC, C-load** | | | | |
| **24-fold** 12SU MDRC | | AKS-2416.03 | A | **668,00 €** |

i Saves up to 30% space
in the sub-distribution

## Switch Actuator AKS Standard 10 A

**Standard version** with bistable relays
2 / 4 / 8 / 12-fold, 230 V AC
Current max. 10 A
**C-load** max. 140 µF

- **Space saving design**
- **Comprehensive application**
- Lockable manual operation and LED indicator for each channel
- NO and NC contact operation
- Status response with manual operation
- Time functions (switch-on / switch-off delay, staircase light function)
- Extended logic and scene functions for each channel
- Extended status functions (inverted, cyclic, with block)
- **Threshold switch (Byte / 2 Byte / 2 Byte float)**
- **Hour meter for switching**
- **Priority / forced operation with automatic release time**
- 4 mm² / 2 x 2.5 mm² screw terminals. Separate supply phases
- Power supply via KNX bus
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Switch Actuator 2-fold, 2SU MDRC, 10 A, 230 V AC, C-load** | | | | |
| **2-fold** 2SU MDRC | | AKS-0210.03 | A | **180,00 €** |
| **Switch Actuator 4-fold, 4SU MDRC, 10 A, 230 V AC, C-load** | | | | |
| **4-fold** 4SU MDRC | | AKS-0410.03 | A | **224,00 €** |
| **Switch Actuator 8-fold, 6SU MDRC, 10 A, 230 V AC, C-load** | | | | |
| **8-fold** 6SU MDRC | | AKS-0810.03 | A | **314,00 €** |
| **Switch Actuator 12-fold, 8SU MDRC, 10 A, 230 V AC, C-load** | | | | |
| **12-fold** 8SU MDRC | | AKS-1210.03 | A | **391,00 €** |

## Switch Actuator AKS Standard 16 A, flush mounted

Version with bistable relays
For installation in switch box
1 / 2-fold, 230 V AC
Current max. 16 A
**C-load** max. 140 µF

- **Comprehensive application**
- NO and NC contact operation
- Extended status functions (inverted, cyclic, with block)
- Time functions (switch-on / switch-off delay)
- Extensive staircase light and impulse functions
- Extended logic and scene functions
- **Threshold switch (Byte / 2 Byte / 2 Byte float)**
- **Hour meter for switching**
- **Priority / forced operation with automatic release time**
- Quick application download (long frame support from ETS 5)
- Flush mounted in an installation box
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Switch Actuator 1-fold, flush mounted, 16 A, 230 V AC, C-load** | | | | |
| **1-fold** flush mounted | | AKS-01UP.03 | A | **110,00 €** |
| **Switch Actuator 2-fold, flush mounted, 16 A, 230 V AC, C-load** | | | | |
| **2-fold** flush mounted | | AKS-02UP.03 | A | **121,00 €** |

# Switch Actuators

## Switch Actuators AMS with current measurement

With current measurement,
Standard version with bistable relays
4 / 8 / 12-fold, 230 V AC
Current max. 16 A
**C-load** max. 140 µF

- **Comprehensive application**
- **Integrated True RMS current measurement (current, kWh)**
- **Current measurement range 10 mA to 16 A**
- **Integrated energy consumption meter function (Wh/kWh)**
- **Fast reaction <1s at Master / Slave operation**
- Push Button for manual operation and LED indicator for each channel
- Time functions (switch-on / switch-off delay, staircase light function)
- **Threshold switch function and Consumption threshold value**
- Logical linking of binary data, 8 scenes per channel
- Operating hours meter
- Extended status functions (inverted, cyclic, when locked)
- Priority / forced operation with automatic release time
- Adjustable behaviour on bus voltage failure / -return
- All L-connections separated, 4 mm² / 2 x 2.5 mm² connection terminals

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Switch Actuator 4-fold, 4SU MDRC, 16 A, 230 V AC, C-load with current measurement** | | | | **New Series** |
| | **4-fold** 4SU MDRC | AMS-0416.03 | A | **284,00 €** |
| **Switch Actuator 8-fold, 8SU MDRC, 16 A, 230 V AC, C-load with current measurement** | | | | **New Series** |
| | **8-fold** 8SU MDRC | AMS-0816.03 | A | **391,00 €** |
| **Switch Actuator 12-fold, 12SU MDRC, 16 A, 230 V AC, C-load with current measurement** | | | | **New Series** |
| | **12-fold** 12SU MDRC | AMS-1216.03 | A | **487,00 €** |

## Switch Actuators AKK compact

Compact Switch Actuator with bistable relays
2 / 4-fold, 230 V AC
Current max. 16 A with ohmic load
Capacitive load max. 70 µF / 10 ECG

- **Comprehensive application**
- Push Button and LED indicator for each channel
- NO and NC contact operation
- Status response with manual operation
- Time functions (switch-on / switch-off delay)
- Extensive staircase light and impulse functions
- Status response (active / passive) for each channel
- Logical linking of binary data
- Extendend scene functions for each channel
- Central switching functions and blocking for forced operation
- Adjustable behavior in case of bus voltage failure or return
- **Common supply phase**
- Power supply via KNX bus
- Quick application download (long frame support from ETS5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Switch Actuator 2-fold, 2SU MDRC, 16 A, 230 V AC** | | | | |
| | **2-fold** 2SU MDRC | AKK-0216.03 | A | **165,00 €** |
| **Switch Actuator 4-fold, 2SU MDRC, 16 A, 230 V AC** | | | | |
| | **4-fold** 2SU MDRC | AKK-0416.03 | A | **200,00 €** |

# Switch Actuators

## Switch Actuators AKK compact

Compact Switch Actuator with bistable relays
8 / 16 / 24-fold, 230 V AC
Current max. 16 A with ohmic load
Capacitive load max. 70 µF / 10 ECG

- **Comprehensive application**
- Push Button and LED indicator for each channel
- NO and NC contact operation
- Status response with manual operation
- Time functions (switch-on / switch-off delay)
- Extensive staircase light and impulse functions
- Status response (active / passive) for each channel
- Logical linking of binary data
- Extendend scene functions for each channel
- Central switching functions and blocking for forced operation
- Adjustable behavior in case of bus voltage failure or return
- **4 mm² / 2 x 2.5 mm² screw terminals. Separate supply phases**
- Power supply via KNX bus
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Switch Actuator 8-fold, 4SU MDRC, 16 A, 230 V AC** | | | | |
| **8-fold** 4SU MDRC | | AKK-0816.03 | A | **285,00 €** |
| **Switch Actuator 16-fold, 8SU MDRC, 16 A, 230 V AC** | | | | |
| **16-fold** 8SU MDRC | | AKK-1616.03 | A | **428,00 €** |
| **Switch Actuator 24-fold, 12SU MDRC, 16 A, 230 V AC** | | | | |
| **24-fold** 12SU MDRC | | AKK-2416.03 | A | **593,00 €** |

## Switch Actuator AKK compact with Fan Coil operation

Compact Switch Actuator with bistable relays
4-fold, 230 V AC
Current max. 16 A with ohmic load
Capacitive load max. 70 µF / 10 ECG

**Fan coil mode:**
- Control of 3- / 4-speed fans / ventilator convectors
- Additional switching output with 3-speed operation
- Outputs are interlocked
- Direct operation by three 1 Bit objects or a single 1 Bit object (+ / -)
- Automatic operation by 1 Byte control value (0-100 %)
- Suitable for 2-pipe systems and 4-pipe systems
- Output objects to control valves for heating / cooling
- Day / Night function to limit fan speed at night
- Emergency operation if variable fails

**Switch Actuator mode:**
- NO and NC contact operation, Time functions (switch-on / switch-off delay)
- Staircase light function with adjustable warning time
- Logical linking of binary data, 8 scenes per channel
- Central switching functions and blocking for forced operation
- Adjustable behavior in case of bus voltage failure / return

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Switch Actuator 4-fold, 2SU MDRC, 16 A, 230 VAC, Fan Coil** | | | | |
| **4-fold** 2SU MDRC | | AKK-04FC.03 | A | **204,00 €** |

# Switch Actuators

## Switch Actuators AKK flush mounted, 1-fold

Flush mounted Switch Actuator
with bistable relays
1-fold, 230 V AC
Current max. 16 A with ohmic load.
Capacitive load max. 70 µF / 10 ECG

- **Comprehensive application**
- NO and NC contact operation
- Time functions (switch-on / switch-off delay)
- Extensive staircase light and impulse functions
- Status response (active / passive) for each channel
- Logical linking of binary data
- Extendend scene functions for each channel
- Central switching functions and blocking for forced operation
- Adjustable behavior in case of bus voltage failure or return
- Flush mounted in an installation box
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm
- Quick application download (long frame support from ETS5)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Switch Actuator 1-fold, flush mounted, 16 A, 230 V AC** | | | |
| **1-fold** flush mounted | **AKK-01UP.03** | A | **99,00 €** |

## Switch Actuators AKK flush mounted, 2-fold

Flush mounted Switch Actuator with
monostable relays
2-fold, 230 V AC
Current max. 10 A with ohmic load.
Capacitive load max. 14µF / 2 ECG

- **Comprehensive application**
- NO and NC contact operation
- Time functions (switch-on / switch-off delay)
- Extensive staircase light and impulse functions
- Status response (active / passive) for each channel
- Logical linking of binary data
- Extendend scene functions for each channel
- Central switching functions and blocking for forced operation
- Adjustable behavior in case of bus voltage failure or return
- Flush mounted in an installation box
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm
- Quick application download (long frame support from ETS 5)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Switch Actuator 2-fold, flush mounted, 10 A, 230 V AC** | | | |
| **2-fold** flush mounted | **AKK-02UP.03** | A | **109,00 €** |

# Switch Actuators

## Switch Actuator AKK flush mounted with fan coil operation

Flush mounted Switch Actuator with monostable relays

3-fold, 230 V AC

Current max. 10 A with ohmic load.

Capacitive load max. 14µF / 2 ECG

| | Art.No. | PG.: | List Price |
|---|---|---|---|

### Switch Actuator 3-fold, flush mounted, 10 A, 230 V AC, Fan coil

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| | **3-fold**<br>flush mounted | **AKK-03UP.03** | A | **153,00 €** |

**Fan coil mode:**
- Control of 3-speed fans / ventilator convectors
- Outputs are interlocked
- Direct operation by three 1 Bit objects or a single 1Bit object (+ / -)
- Automatic operation by 1 Byte control value (0-100 %)
- Suitable for 2-pipe systems and 4-pipe systems
- Output objects to control valves for heating / cooling
- Day / Night function to limit fan speed at night
- Emergency operation if variable fails

**Switch Actuator mode:**
- NO and NC contact operation
- Time functions (switch-on / switch-off delay)
- Staircase light function with adjustable warning time
- Status response (active / passive) for each channel
- Logical linking of binary data, 8 scenes per channel
- Central switching functions and blocking for forced operation
- Adjustable behavior in case of bus voltage failure or return
- Flush mounted in an installation box
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm
- Quick application download (long frame support from ETS 5)

# Universal Actuators

## Universal Actuator AKU

Compact Switch Actuator with bistable relays
**With sun position calculation**
4 / 6 / 8 / 16 / 24-fold, 230 V AC
Current max. 16 A with ohmic load
Capacitive load max. 100 µF / 15 ECG

- **Can be used as a switching actuator or blind actuator**
  For example AKU-2416.03, can be used as a switching actuator
  (max. 24-fold) or blind actuator (max. 12-fold)
- **Mixed use of Switch and Shutter Actuators possible**
- Heating control with PWM 0-100 %
- Push Button and LED indicator for each channel
- **Automatic sun shading / slat adjustment**
  **with sun position calculation**
- **Practical ventilation function (window open / tilt)**
- Time functions (switch-on / switch-off delay, staircase light function)
- Status response (active / passive) for each channel
- Logical linking of binary data, 8 scenes per channel
- Central switching functions and blocking for forced operation
- Operation mode blind / shutter adjustable
- Travel-, pause at change of direction, and step time adjustable
- 1 Bit automatic function and sun protection
- 8 Bit positioning for shutter and blinds
- Adjustable behavior in case of bus voltage failure or return
- 4 mm² / 2 x 2.5 mm² screw terminals. Separate supply phases

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Universal Actuator 4-fold, 4SU MDRC, 16 A, 230 V AC** | | | | |
| **4-fold** 4SU MDRC | | AKU-0416.03 | A | **229,00 €** |
| **Universal Actuator 6-fold, 4SU MDRC, 16 A, 230 V AC** | | | | |
| **6-fold** 4SU MDRC | | AKU-0616.03 | A | **268,00 €** |
| **Universal Actuator 8-fold, 4SU MDRC, 16 A, 230 V AC** | | | | |
| **8-fold** 4SU MDRC | | AKU-0816.03 | A | **317,00 €** |
| **Universal Actuator 16-fold, 8SU MDRC, 16 A, 230 V AC** | | | | |
| **16-fold** 8SU MDRC | | AKU-1616.03 | A | **461,00 €** |
| **Universal Actuator 24-fold, 12SU MDRC, 16 A, 230 V AC** | | | | |
| **24-fold** 12SU MDRC | | AKU-2416.03 | A | **630,00 €** |

## Universal Actuator AKU flush mounted

With monostable relays
**With sun position calculation**
2-fold, 230 V AC
Current max. 10 A with ohmic load
Capacitive load max. 14 µF / 2 ECG
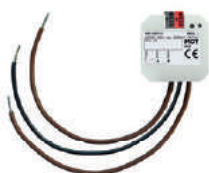
- **Can be used as a Switch Actuator 2-fold or Shutter Actuator 1-fold**
- Heating control with PWM 0-100 %
- **Automatic sun shading / slat adjustment**
  **with sun position calculation**
- **Practical ventilation function (window open / tilt)**
- Time functions (switch-on / switch-off delay, staircase light function)
- Status response (active / passive) for each channel
- Logical linking of binary data, 8 scenes per channel
- Central switching functions and blocking for forced operation
- Operation mode blind / shutter adjustable
- Travel-, pause at change of direction, and step time adjustable
- 1 Bit automatic function and sun protection
- 8 Bit positioning for shutter and blinds
- Adjustable behavior in case of bus voltage failure or return
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Universal Actuator 2-fold, flush mounted, 10 A, 230 V AC** | | | | |
| **2-fold** flush mounted | | AKU-02UP.03 | A | **119,00 €** |

## Universal Actuator 2 AKU flush mounted, with 4 binary inputs

With monostable relays
**With sun position calculation**
2-fold, 230 V AC
Current max. 10 A with ohmic load
Capacitive load max. 14 µF / 2 ECG

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Universal Actuator 2-fold, flush mounted, 10 A, 230 V AC, 4 binary inputs** | | | | |
| **2-fold** flush mounted | | **AKU-B2UP.03** | A | **139,00 €** |

- **Switch Actuator 2-fold / Shutter Actuator 1-fold**
- Heating control with PWM 0-100 %
- **Automatic sun shading / slat adjustment with sun position calculation**
- **Practical ventilation function (window open / tilt)**
- Time functions (switch-on / switch-off delay, staircase light function)
- Logical linking of binary data, 8 scenes per channel
- Central switching functions and blocking for forced operation
- Travel-, pause at change of direction, and step time adjustable
- 1 Bit automatic function and sun protection
- 8 Bit positioning for shutter and blinds

**Functions of Binary Inputs:**
- To connect push-buttons, switches or window / auxiliary contacts
- Integrated evaluation of the windows contacts
- **Adjustable transmission behavior of the up / down objects** (To the internal contacts or actuators on the KNX bus)
- Operation of blinds and shutters, 1 and 2 button operation
- **Binary inputs usable as universal interface**
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm

# Shutter Actuators

## Shutter Actuator JAL

To feed 230 V AC motors up to 300 W
**With sun position calculation**
2 / 4 / 8-fold

- **Comprehensive application**
- Lockable manual operation and LED indicator for each channel
- Operation mode blind / shutter
- **Practical ventilation function (window open / tilt)**
- **Automatic sun shading / slat adjustment
  with sun position calculation**
- Travel-, pause at change of direction, and step time adjustable
- Separate travel time for up and down adjustable
- Tip operation for accurate positioning
- Extended 1 Bit automatic positions and scene functions
- 1 Byte absolute positioning for shutter and blinds
- Alarm, central- and block functions
- Behavior after alarms and blocking separately configurably
- Priority / forced operation with automatic release time
- Adjustable behavior in case of bus voltage failure / return
- Two contacts share one L-connection
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Shutter Actuator, 2-fold, 2SU MDRC, 8 A, 230 V AC** | | | | |
| **2-fold** 2SU MDRC | | JAL-0210.02 | A | **175,00 €** |
| **Shutter Actuator, 4-fold, 4SU MDRC, 8 A, 230 V AC** | | | | |
| **4-fold** 4SU MDRC | | JAL-0410.02 | A | **267,00 €** |
| **Shutter Actuator, 8-fold, 8SU MDRC, 8 A, 230 V AC** | | | | |
| **8-fold** 8SU MDRC | | JAL-0810.02 | A | **403,00 €** |

## Shutter Actuator JAL, with travel time measurement

To feed 230 V AC motors up to 300 W
**With sun position calculation**
4 / 8-fold

- **Comprehensive application**
- **Travel times are automatically measured and stored**
- Lockable manual operation and LED indicator for each channel
- Operation mode blind / shutter
- **Practical ventilation function (window open / tilt)**
- **Automatic sun shading / slat adjustment
  with sun position calculation**
- Travel-, pause at change of direction, and step time adjustable
- Separate travel time for up and down adjustable
- Tip operation for accurate positioning
- Extended 1 Bit automatic positions and logic functions
- 1 Byte absolute positioning for shutter and blinds
- Alarm, central- and block functions
- Behavior after alarms and blocking separately configurably
- Priority / forced operation with automatic release time
- Adjustable behavior in case of bus voltage failure / return
- Two contacts share one L-connection

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Shutter Actuator, 4-fold, 4SU MDRC, 8 A, 230 A, with travel time measurement** | | | | |
| **4-fold** 4SU MDRC | | JAL-0410M.02 | A | **296,00 €** |
| **Shutter Actuator, 8-fold, 8SU MDRC, 8 A, 230 A, with travel time measurement** | | | | |
| **8-fold** 8SU MDRC | | JAL-0810M.02 | A | **462,00 €** |

# Shutter Actuators

## Shutter Actuator JAL to feed 24 V DC motors

To feed 24 V DC motors up to 180 W
**With sun position calculation**
4 / 8-fold

| | Art.No. | PG.: | List Price |
|---|---|---|---|

**Shutter Actuator, 4-fold, 4SU MDRC, 8 A, 24 V DC**

| **4-fold** 4SU MDRC | JAL-0410D.02 | A | **270,00 €** |
|---|---|---|---|

**Shutter Actuator, 8-fold, 8SU MDRC, 8 A, 24 V DC**

| **8-fold** 8SU MDRC | JAL-0810D.02 | A | **406,00 €** |
|---|---|---|---|

- Lockable manual operation and LED indicator for each channel
- Operation mode blind / shutter
- **Practical ventilation function (window open / tilt)**
- **Automatic sun shading / slat adjustment with sun position calculation**
- Travel-, pause at change of direction, and step time adjustable
- Separate travel time for up and down adjustable
- Tip operation for accurate positioning
- Extended 1 Bit automatic positions and logic functions
- 1 Byte absolute positioning for shutter and blinds
- Alarm, central- and block functions
- Behavior after alarms and locking separately configurable
- Priority / forced operation with automatic release time
- **To feed 24 V DC motors with 2 connections**
- **Integrated commutator circuit**
- Adjustable behavior in case of KNX bus voltage failure / return
- Quick application download (long frame support from ETS 5)

## Shutter Actuator JAL flush mounted

To feed 230 V AC motors up to 300 W
1-fold

| | Art.No. | PG.: | List Price |
|---|---|---|---|

**Shutter Actuator 1-fold, flush mounted, 6 A, 230 V AC**

| **1-fold** flush mounted | JAL-01UP.02 | A | **110,00 €** |
|---|---|---|---|

- **Comprehensive application**
- Operation mode blind / shutter
- **Practical ventilation function (window open / tilt)**
- Travel-, pause at change of direction, and step time adjustable
- Separate travel time for up and down adjustable
- Tip operation for accurate positioning
- Extended 1 Bit automatic positions and logic functions
- 1 Byte absolute positioning for shutter and blinds
- Alarm, central- and block functions
- Behavior after alarms and block separately adjustable
- Priority / forced operation with automatic release time
- Adjustable behavior in case of bus voltage return
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm
- Quick application download (long frame support from ETS 5)

# Shutter Actuators

## Shutter Actuator JAL with 4 binary inputs

To feed 230 V AC motors up to 300 W
**With sun position calculation**
1-fold

**Shutter/blind functions:**
- **Practical ventilation function (window open/tilt)**
- **Automatic sun shading/slat adjustment with sun position calculation**
- Travel-, pause at change of direction, and step time adjustable
- Separate travel time for up and down adjustable
- Tip operation for accurate positioning
- Extended 1 Bit automatic positions and logical functions
- 1 Byte absolute positioning for shutter and blinds
- Alarm, central- and block functions
- Priority/forced operation with automatic release time
- Adjustable behavior in case of bus voltage return

**Functions Binary Inputs:**
- To connect push-buttons or window / auxiliary contacts
- Integrated evaluation of the windows contacts
- **Adjustable transmission behavior of the up / down objects**
  (To the internal contacts or actuators on the KNX bus)
- Operation of blinds and shutters, 1 and 2 button operation
- **Binary inputs usable as universal interface**
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Shutter Actuator 1-fold, flush mounted, 6 A, 230 V AC, 4 binary inputs** | | | |
| **1-fold** flush mounted | **JAL-B1UP.02** | A | **132,00 €** |

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# Dimming Actuators

## Dimming Actuator AKD

For switching and dimming **230 V** lamps

Nominal power output  2 x 250 W or 1 x 500 W

- **Comprehensive application**
- **Optimized for dimmable LED lights > 2 W**
- For HV halogen lights and LV halogen lights with transformer / ECG
- Operation in leading-edge or trailing-edge selectable
- **Active power measurement**
- **Integrated diagnostic function with plain text message**
- Overload- / short circuit- and temperature protection with message
- Time functions (switch-on / switch-off delay, staircase light function)
- **Automatic time dependent dimming**
- **Softstart, global and individual dimming speed**
- Day / Night function
- **Parallel operation of 2 channels with 500 W total power output**
- Push-button for manual operation and indicator for each channel
- Separate L- / N connections for each channel
  (different phases possible L1, L2, L3)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Dimming Actuator 2-fold, 3SU MDRC, 250 W, 230 V AC** | | | |
| **2-fold**<br>3SU MDRC | AKD-0201.02 | A | **349,00 €** |

## Dimming Actuator AKD

For switching and dimming **230 V** lamps

Nominal power output  4 x 250 W,
1 x 500 W + 2 x 250 W or 2 x 500 W

- **Comprehensive application**
- **Optimized for dimmable LED lights > 2 W**
- For HV halogen lights and LV halogen lights with transformer / ECG
- Operation in leading-edge or trailing-edge selectable
- **Active power measurement**
- **Integrated diagnostic function with plain text message**
- Overload- / short circuit- and temperature protection with message
- Time functions (switch-on / switch-off delay, staircase light function)
- **Automatic time dependent dimming**
- **Softstart, global and individual dimming speed**
- Day / Night function
- **Parallel operation of 2 channels with 500 W total power output**
- Push-button for manual operation and indicator for each channel
- Separate L- / N connections for each channel
  (different phases possible L1, L2, L3)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Dimming Actuator 4-fold, 6SU MDRC, 250 W, 230 V AC** | | | |
| **4-fold**<br>6SU MDRC | AKD-0401.02 | A | **457,00 €** |

# Dimming Actuators

## Dimming Control Device AKD, 1-10 V

Dimming Control Device for **1-10 V electronic transformers** with relays.

4-fold, 230 V AC

Current max. 16 A

Capacitive load max. 140 µF

- Push-button for manual operation and indicator for each channel
- To control 1-10 V electronic transformers (ECG)
- **With RGBW functionality**
- **RGB und HSV control with extensive colour functions**
- Offers control voltage up to 30 ECG (each channel)
- Voltage reversal protection
- Embedded switching relays for 30 ECG / 30 W, 20 ECG / 58 W, 15 ECG / 2 x 36 W, 10 ECG / 2 x 58 W
- Adjustable switch-on behavior
- Minimum / maximum brighness value adjustable
- Adjustable dimming speed
- Central switching functions
- 8 scenes per channel
- 1 Bit automatic function

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Dimming Control Device 4-fold, 4SU MDRC, 16 A, 1-10 V RGBW** | | | | |
| **4-fold** 4SU MDRC | | AKD-0410V.02 | A | **255,00 €** |

## LED Controller AKD surface mounted, 2-channel

**Suitable for 12/24 V CV LED** (common Anode)

**2 separate channels or TW**

- **Comprehensive application**
- Absolute and relative dimming
- **Tunable White colour temperature control**
- Selectable dimming curve and PWM frequency up to 1000 Hz
- Individual and predefined sequences (e.g. TV Simulator)
- **Selectable load distribution: 3 channels each 3 A**
- **Parallel operation of 2 channels with 6 A**
- **Operating modes: 2 x White, Tunable White**
- **Automatic colour temperature control Dim2Warm**
- **Dynamic daylight control HCL (Human Centric Lighting)**
- **Automatic time-dependent dimming**
- **Day / Night function**
- Overcurrent and overtemperature monitoring
- **Intelligent 16 A C-load relay output to control external LED power supply**

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **LED Controller 2-channel, 3/6 A** | | | | |
| **2-channel** | | AKD-0224V.02 | B | **152,00 €** |

# Dimming Actuators

## LED Controller AKD surface mounted, 3-channel

**Suitable for 12/24 V CV LED** (common Anode)
**3 separate channels or RGB, TW**

- **Comprehensive application**
- Absolute and relative dimming for **HSV colour space** and RGB
- **Tunable White colour temperature control**
- Selectable dimming curve and PWM frequency up to 1000 Hz
- Individual and predefined sequences (e.g. TV Simulator)
- **Selectable load distribution:**
  **3 channels each 3 A or 1 channel 4,5 A and 2 ch. each 2,25 A**
- **Parallel operation of 2 channels with 6 A**
- **Operating modes: 3 x White, RGB, Tunable White**
- **Automatic colour temperature control Dim2Warm**
- **Dynamic daylight control HCL (Human Centric Lighting)**
- **Automatic time-dependent dimming**
- **Day / Night function**
- Overcurrent and overtemperature monitoring
- **Intelligent 16 A C-load relay output to control external**
  **LED power supply**

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **LED Controller 3-channel, 3/6 A, RGB** | | | | |
| | **3-channel** | **AKD-0324V.02** | B | **203,00 €** |

## LED Controller AKD surface mounted, 4-channel

**Suitable for 12/24 V CV LED** (common Anode)
**4 separate channels or RGBW, TW**

- **Comprehensive application**
- Absolute and relative dimming for **HSV colour space** and RGB
- **Tunable White colour temperature control**
- Selectable dimming curve and PWM frequency up to 1000 Hz
- Individual and predefined sequences (e.g. TV Simulator)
- **Selectable load distribution:**
  **4 channels each 3 A or 1 channel 5,25 A and 3 ch. each 2,25 A**
- **Parallel operation of 2 channels with 6 A**
- **Operating modes: 3 x White, RGB, Tunable White**
- **Automatic colour temperature control Dim2Warm**
- **Dynamic daylight control HCL (Human Centric Lighting)**
- **Automatic time-dependent dimming**
- **Day / Night function**
- Overcurrent and overtemperature monitoring
- **Intelligent 16 A C-load relay output to control external**
  **LED power supply**

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **LED Controller 4-channel, 3/6 A, RGBW** | | | | |
| | **4-channel** | **AKD-0424V.02** | B | **225,00 €** |

# Dimming Actuators

## LED Controller CC/CV 60 W / 230 V 2-channel

Version with integrated power supply in compact design.

Constant current LED controller with max. output current of 1,400mA

- **Optimised Hybrid dimming for a better Light quality**
- Comprehensive Application, absolute und relative Dimming
- **Dim range von 0,2 % to 100 %**
- Perfect dim behaviour over the entire dimming range
- **Maximum output power 60 W over both channels**
- **Max output current 1,400 mA**
- Constant current selectable via DIP switch
- Tunable White colour temperature control
- Selectable Dim curve, individual sequences
- Operation mode: 2x white, Tunable White
- Automatic colour temperature control Dim2Warm
- Dynamic daylight control HCL
- **Automatic time dependent dimming**
- Overcurrent and temperature monitoring
- **Secondary connection up to 6 m**
- **Integrated power supply in compact design**
- Dimensions (W x H X D): 129 mm x 54 mm x 25 mm

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **LED Controller CC/CV 60 W / 230 V 2-channel** | | | **Q2 / 2023** |
| **2-channel** | AKD-0260CC.02 | B | **256,00 €** |

## LED Controller AKD, 2/4 A

**Suitable for 12/24 V CV LED** (common Anode)
**4 separate channels or RGBW, TW**

- **Comprehensive application**
- Absolute and relative dimming for **HSV colour space** and RGB
- **Tunable White colour temperature control**
- Selectable dimming curve and PWM frequency up to 1000 Hz
- Global and individual dimming speeds
- Individual and predefined sequences (e.g. TV Simulator)
- Repetition of sequences for automatic colour control
- **Selectable load distribution:**
  **4 channels each 2 A or 1 channel 3,5 A and 3 channels each 1,5 A**
- **Parallel operation of 2 channels with 4 A**
- **Operating modes: 4 x White, RGB, RGBW, Tunable White**
- **Automatic colour temperature control Dim2Warm**
- **Dynamic daylight control HCL (Human Centric Lighting)**
- **Automatic time-dependent dimming**
- **Day / Night function**
- Overcurrent and overtemperature monitoring

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **LED Controller 4-channel, 2SU MDRC, 2/4 A, RGBW** | | | |
| **4-channel** | AKD-0424R2.02 | B | **165,00 €** |

## LED Controller AKD, 4/8 A

**Suitable for 12/24 V CV LED** (common Anode)
**4 separate channels or RGBW, TW**

- **Comprehensive application**
- Absolute and relative dimming for **HSV colour space** and RGB
- **Tunable White colour temperature control**
- Selectable dimming curve and PWM frequency up to 1000 Hz
- Global and individual dimming speeds
- Individual and predefined sequences (e.g. TV Simulator)
- Repetition of sequences for automatic colour control
- **Selectable load distribution:**
  **4 channels each 4 A or 1 channel 7 A and 3 channels each 3 A**
- **Parallel operation of 2 channels with 8 A**
- **Operating modes: 4 x White, RGB, RGBW, Tunable White**
- **Automatic colour temperature control Dim2Warm**
- **Dynamic daylight control HCL (Human Centric Lighting)**
- **Automatic time-dependent dimming**
- **Day / Night function**
- Overcurrent and overtemperature monitoring
- **Intelligent 16 A C-load relay output to control external
  LED power supply**

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **LED Controller, 4-channel, 4SU MDRC, 4/8 A, RGBW** | | | | |
| **4-channel** 4SU MDRC | | **AKD-0424R.02** | B | **238,00 €** |

# Dimming Actuators

## DALI Control 64 Gateway

**DALI Control 64 Gateway, 4SU MDRC**

DALI-2 certified
**Colour adjustment by HSV control**
1 DALI Output

| | | | |
|---|---|---|---|
| **1 DALI channel** | **SCN-DA641.04** | B | **389,00 €** |

- **Individual control of up to 64 ECGs / 16 DALI groups**
- Supports DALI and DALI-2 standard, as well as DALI DT6 / DT8 ECG
- **Innovative HSV colour control, RGB, RGBW and XY colour according to DALI DT8 standard (16 DALI groups)**
- **Tunable White, colour temperature control (16 DALI groups)**
- **Integrated colour control module for time-dependent control of the luminous colour** in up to 300 steps
- Operation modes incl. normal operation, continuous operation, night operation, stairwell and panic operation, manual operation
- 16 scenes with individual dimming times
- **Energy saving function for switching off the ECGs in the DALI groups (via additional KNX switch actuator)**
- Fault detection of lamp faults and faulty ECGs
- Quick exchange of ECG
- **Free DCA app for commissioning the DALI bus system** and configuration of the scenes and time control
- Commissioning from ETS 5

## DALI Control 2x64 Gateway

**DALI Control 2x64 Gateway, 4SU MDRC**

DALI-2 certified
**Colour adjustment by HSV control**
2 DALI Outputs

| | | | |
|---|---|---|---|
| **2 DALI channels** | **SCN-DA642.04** | B | **459,00 €** |

- **2 DALI outputs for max. 2 x 64 ECGs**
- **Individual control of up to 64 ECGs / 16 DALI groups per output**
- **Supports DALI and DALI-2 standard, as well as DALI ECG DT6 / DT8 (16 DALI groups)**
- **Innovative HSV colour control, RGB, RGBW and XY colour according to DALI DT8 standard (16 DALI groups)**
- **Tunable White, colour temperature control**
- **Integrated colour control module for time-dependent control of the luminous colour** in up to 300 steps
- Operation modes incl. normal operation, continuous operation, night operation, stairwell and panic operation, manual operation
- 16 scenes with individual dimming times
- **Energy saving function for switching off the ECGs in the DALI groups (via additional KNX switch actuator)**
- Fault detection of lamp faults and faulty ECGs
- Quick exchange of ECG
- **Free DCA app for commissioning the DALI bus system** and configuration of the scenes and time control
- Commissioning from ETS 5

# Dimming Actuators

## DALI Control IP64 Gateway

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **DALI Control IP64 Gateway with web interface, 4SU MDRC** | | | |
| 1 channel     SCN-DALI64.03 | B | **489,00 €** | |

DALI-2 certified
**Colour adjustment by HSV control**
1 DALI Output

- **Individual control of up to 64 ECG / 16 DALI groups**
- Supports DALI and DALI-2 standard, as well as DALI DT6 / DT8 ECG
- **Innovative HSV colour control, RGB, RGBW and XY colour according to DALI DT8 standard (16 DALI groups)**
- **Tunable White, colour temperature control (16 DALI groups)**
- Operation modes incl. normal operation, continuous operation, night operation, stairwell operation and panic operation
- Test mode for systems with emergency lights that were supplied through central batteries
- Support of single battery emergency lights DT-1
- **Integrated colour control module for time-dependent control**
- Manual operation for all 16 groups
- 16 scenes with individual dimming times
- **Energy saving function for switching off the ECGs in the DALI groups (via additional KNX switch actuator)**
- Simple group attribution directly on the device
- DALI commissioning via web browser or directly on the device display
- Detection of faulty lamps and ECGs
- Quick exchange of ECG
- **Free DCA app for commissioning the DALI bus system**
- Commissioning from ETS 5

## DALI Control PRO64 Gateway

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **DALI Control PRO64 Gateway with web interface, 4SU MDRC** | | | |
| 1 channel     SCN-DA641P.04S | B | **510,00 €** | |

**Multi-Master**
DALI-2 certified
**Colour adjustment by HSV control**
1 DALI Output

- **Individual control of up to 64 ECG / 16 DALI groups**
- **KNX Secure device, Supports DALI and DALI-2 standard**
- Up to 8 DALI-2 motion detectors or light sensors can be additionally connected
- **Innovative HSV colour control, RGB, RGBW and XY colour acc. to DALI DT8 standard, 64 individual channels / 16 DALI groups**
- **Tunable White, colour temperature control, 64 individual Channels / 16 DALI groups**
- Supports different DALI DT6 / DT8 ECG
- **Integrated colour control module for time-dependent control**
- Manual operation for all 16 groups
- 16 scenes with individual dimming times
- **Energy saving function, 16 flexible standby groups for switching off any individual channels / groups of ECGs (via additional KNX switch actuator)**
- Simple group assignment directly on the device
- DALI Commissioning via web browser or directly on the device display
- Detection of faulty lamps and ECGs, quick exchange of ECG
- **Free DCA app for commissioning the DALI bus system**
- Commissioning from ETS 5

# Heating Actuators

## Heating Actuator AKH

Heating Actuator to control electrothermic valve drives, with LED indicator for each channel

**Integrated PI temperature controller**



- **New generation with comprehensive application**
- Each channel controls up to 4 electrothermic valve drives (230 VAC)
- **Free assignment of the outputs to the controller channel**
- Controllable with 1 Bit (switching / PWM) / 1 Byte actuating variable or direct control with temperature value via KNX bus
- **Integrated PI temperature controller (heating and cooling)**
- Comfort-, night- and frost protection. Summer- / winter operation
- 1 Bit + / -, 1 Byte or 2 Byte absolute object to set the given value
- Setpoint values are stored on bus voltage failure
- Emergency operation if cyclic actuating variable fails
- Overload protection with fault message object (230 V AC)
- Mains voltage failure detection with fault message object (230 V AC)
- Objects for heating request and cyclic movement of the valves
- **Comprehensive scene functions**
- **Compatible with many visualizations**
- **Minimum flow temperature**
- **Diagnostics for each channel with 14 Byte plain text object**

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Heating Actuator, 4-fold, 2SU MDRC, 24-230 V AC** | | | | |
| **4-fold** 2SU MDRC | | AKH-0400.03 | A | **194,00 €** |
| **Heating Actuator, 6-fold, 3SU MDRC, 24-230 V AC** | | | | |
| **6-fold** 3SU MDRC | | AKH-0600.03 | A | **218,00 €** |
| **Heating Actuator, 8-fold, 4SU MDRC, 24-230 V AC** | | | | |
| **8-fold** 4SU MDRC | | AKH-0800.03 | A | **244,00 €** |

# Analog In- / Outputs

MDT TECHNOLOGIES

Analog In- / Outputs

## Analog I/O 0-10 V, flush mounted

Suitable as **analog output** to control ventilation systems and other systems with 0-10 V input.

Also useful as an **analog input** to capture rotation speed or other 0-10 V values.

- Each channel can be configured independently (in/output)
- In/outputs are galvanically isolated from the KNX bus
- In/outputs are galvanically connected together
- Voltage for output operation is generated inside the actuator
- No external power supply required
- Input operation 0-10 V / 2-10 V or 0-20 mA / 4-20 mA (switchable)
    - Adjustable conversion of measuring unit and DPT
    - Min / max function, wire breakage detection
    - Threshold and traffic light function
- Output functions 0-10 V:
    - Control by 1 Byte, 2 Byte or 1 Bit objects
    - Day / night function to limit control value
    - Emergency mode if given value fails
- Flush mounted in socket
- Dimensions (W x H x D): 41 mm x 41 mm x 12 mm
- Quick application download (long frame support from ETS 5)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Analog I/O 2-fold, flush mounted, 0-10V, in/output shiftable** | | | |
| **2-fold** flush mounted | AIO-0210V.01 | B | 132,00 € |

## Analog I/O 0-10 V

Suitable as **analog output** to control ventilation systems and other systems with 0-10 V input.

Also useful as an **analog input** to capture rotation speed or other 0-10 V values.

- Each channel can be configured independently (in/output)
- In/outputs are galvanically isolated from the KNX bus
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- Voltage for output operation is generated inside the actuator
- No external power supply required
- Input operation 0-10 V / 2-10 V or 0-20 mA / 4-20 mA (switchable)
    - Adjustable conversion of measuring unit and DPT
    - Min / max function, wire breakage detection
    - Threshold and traffic light function
- Output functions 0-10 V:
    - Control by 1 Byte, 2 Byte or 1 Bit objects
    - Day / night function to limit control value
    - Emergency mode if given value fails
- Quick application download (long frame support from ETS 5)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Analog I/O 4-fold, 2SU MDRC, 0-10 V, in/output shiftable** | | | |
| **4-fold** 2SU MDRC | AIO-0410V.01 | B | 176,00 € |

35

# Energy Meters

## Energy Meter EZ with direct measurement

Industrial version
**3-phase bidirectional meter**
Direct current measurement up to 20 A

- **3-phase bidirectional meter for active energy**
- **Energy meters for single-phase or three-phase circuits**
- Measurement of active / reactive and apparent power,
  voltage, current and power factor cos phi
- **Separate recording of energy consumption and fed-in energy (kWh)**
- **Integrated True RMS current measurement (amperage, kW)**
- **Current measuring range 10 mA to 20 A**
- Threshold switch (Byte / 2 Byte / 2 Byte float)
- Main and intermediate counter
- 4 mm² / 2 x 2.5 mm² connection terminals
- Fast application download (long frame support for ETS 5)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Energy Meter 3-fold, 20 A, direct measurement, 4SU MDRC, 230/400 V AC** | | | |
| **3-fold** 4SU MDRC | **EZ-0320.01** | A | **244,00 €** |

## Energy Meter EZ with transformer measurement

Industrial version
**3-phase bidirectional meter**
Transformer measurement up to 63 A

- **3-phase bidirectional meter for active energy**
- **3 cable mounting-current transformers 63 A for easy folding installation included in delivery**
- **Energy meter for single-phase or three-phase circuits**
- Measurement of active / reactive and apparent power,
  voltage, current and power factor cos phi
- **Separate recording of energy consumption and fed-in energy (kWh)**
- **Integrated True RMS current measurement (amperage, kW)**
- Threshold switch (Byte / 2 Byte / 2 Byte float)
- Main and intermediate counter
- 4 mm² / 2 x 2.5 mm² connection terminals
- Fast application download (long frame support for ETS 5)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Energy Meter 3-fold, 63 A, transformer measurement, 4SU MDRC, 230/400 V AC** | | | |
| **3-fold** 4SU MDRC | **EZ-0363.01** | A | **358,00 €** |

# Control and management of energy consumption

For smart energy use, visibility of the consumed energy is a must, especially then when a building also generates energy. For this purpose, MDT has developed two KNX Energy Meters, whose measured values are directly and without the need of a separate gateway visible and transparent in a KNX installation. Both meters can be used as a main or an intermediate meter and separately record the consumed and the generated energy. A charge can be applied in the application to allow transparency of costs and yields for consumed and generated energy.

The MDT **Energy meter with current transformer measurement** can measure and record three phases each safeguarded up to 63 A. The three single compulsory CT's for fold-over installation are supplied with the Energy Meter. The Energy Meter is the perfect product for objects with a safeguarding of up to 63 A.

The **Energy meter with direct measurement** can measure and record energy values of three phases up to 20 A. Integrated into an electrical circuit it can for example measure the consumption of a heat pump or a washing machine allowing for monitoring of the consumed energy.

EEnergy management becomes intelligently smart when the threshold switch is included in the equation. Herewith, when a high level of energy is generated consumer devices can be activated. When solar panels generate a specific energy level in watts, for example a wallbox can be activated. In this way, smart energy management with Solar power distribution and cost control can be set up for the residents of the house.
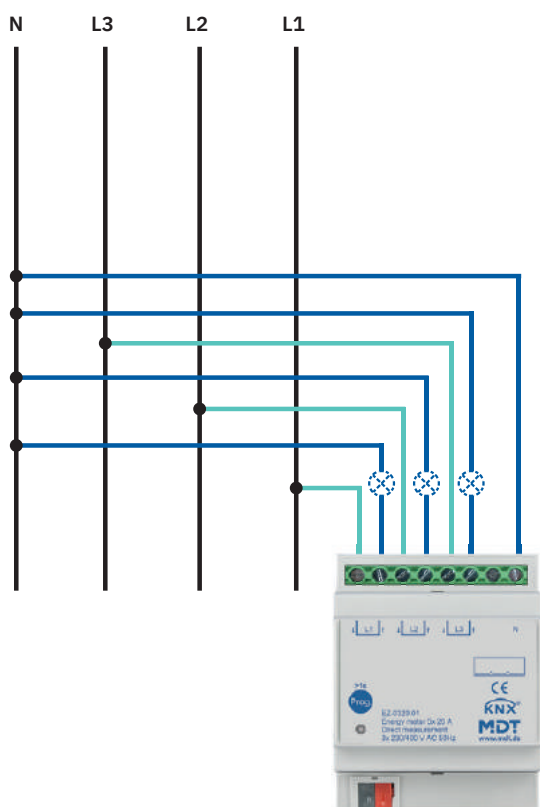
**Energy Meter 3 channel, 20 A direct measurement**
EZ-0320.01
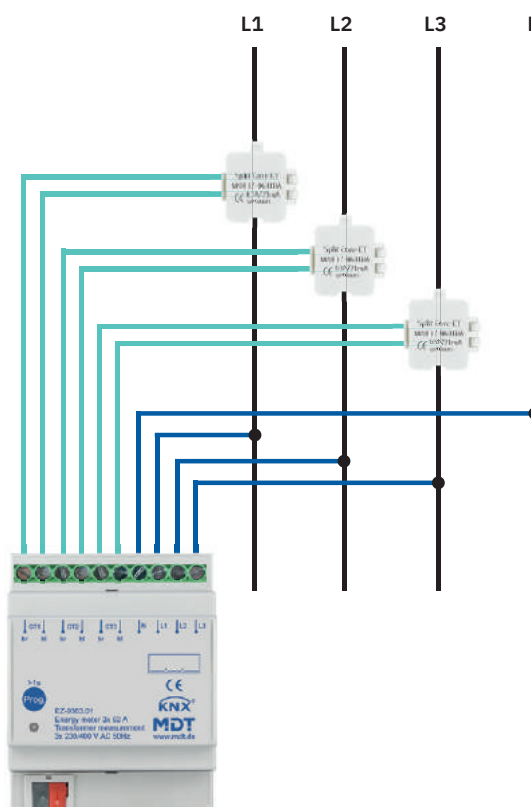
**Energy Meter 3 channel, 63 A transformer measurement**
EZ-0363.01

# Sensors

For home automation to adjust appropriately to any situation in the rooms, information needs to be collected within the KNX installation. For example, temperature sensors, air sensors, motion detectors or brightness sensors are used indoors. The push buttons and controllers that you can use to make individual settings, for example for light, heating or the shutters, essentially provide information to the KNX system. Information from window or door contacts is supplied via KNX Binary Inputs, and for outdoor areas, the weather station is the central source of information.

The innovative KNX products from MDT always offer true added value for you: Most of our push buttons are optionally available with a temperature sensor, enabling a room temperature measurement to be conducted with the Push-button. This saves you having to have an additional KNX component. The possibility to assign several functions to the push buttons, which can then be triggered by pressing once, twice or three times, reduces the number of components and gives you more options for controlling your smart home individually. In the case of push buttons with displays, you can adjust the colours and icons on your display so it tailored to your home. If you ever reconfigure something, the text is simply quickly altered in the ETS.

## Highlights of the MDT sensors

### MDT Push-button with integrated display for quick, individual labelling

When setting up the KNX system for the first time, it often happens that the requirements for the button assignment change. The corresponding labelling on our displays can be quickly and easily adapted during the changeover, so that the Push-button displays the new assignment after programming. MDT Push-buttons with integrated displays are available in glass and thermoplast.

### MDT Push-buttons save on additional sensors

Most of our KNX Push-buttons are available with an integrated temperature sensor. Some of our sensor products have an integrated brightness sensor on air humidity sensor. These sensors therefore do not have to be additionally installed in the rooms.

### MDT Push-buttons in a timeless design, suited for every customer

Our high quality assortments, with dimensions of 55 mm and 63 mm, fit into an array of switch ranges as listed on page 43. Popular alternatives are the MDT Glass Push-buttons, with up to six sensors surfaces. Enabling a wide range of added functions exceeding the standard functionality. With their timeless design, they blend harmoniously into any room.

### MDT Motion Detectors recognise the direction of movement

Energy savings for your customers: thanks to its two sensors, the MDT KNX Motion Detector is able to detect the direction of a movement. For example, the light can be switched off prematurely if movement in the direction of the exit is detected.

BE-GT2TW.02

KNX  Made in Germany  3 Year warranty

# Binary Inputs

## Binary Input BE, for contact inputs

Version for connection of floating contacts
Cable length max. 100 m
4 / 8 / 16 / 32-fold

- To connect **push-buttons or window / auxiliary contacts**
- **LED indicator for each channel**
- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- **4 integrated logic modules**, e.g. evaluation of the inputs (e.g. window closed or sending second object)
- NO or NC contact operation, sending contact status
- Operation of blinds and shutters, 1 and 2 button operation
- Forced setting function for each output
- Scenes, block objects for each channel
- Operation with short / long button push and 2 objects
- **Integrated pulse and switching counters with extensive counter functions (suitable for 30 ms S0 pulses)**
- Cyclical sending, sending after reset
- Internally generated query voltage of 12 V

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Binary Input, 4-fold, 2SU MDRC, Contact Inputs** | | | |
| 4-fold<br>2SU MDRC | BE-04000.02 | A | 185,00 € |
| **Binary Input, 8-fold, 4SU MDRC, Contact Inputs** | | | |
| 8-fold<br>4SU MDRC | BE-08000.02 | A | 251,00 € |
| **Binary Input, 16-fold, 8SU MDRC, Contact Inputs** | | | |
| 16-fold<br>8SU MDRC | BE-16000.02 | A | 384,00 € |
| **Binary Input, 32-fold, 12SU MDRC, Contact Inputs** | | | |
| 32-fold<br>12SU MDRC | BE-32000.02 | A | 555,00 € |

## Binary Input BE for inputs 230 V AC

Version for control signals **230 V AC**
Cable length max. 100 m
4 / 8 / 16-fold

- To connect **push-buttons or window / auxiliary contacts**
- **LED indicator for each channel**
- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- **4 integrated logic modules,** e.g. evaluation of the inputs (e.g. window closed or sending second object)
- NO or NC contact operation, sending contact status
- Operation of blinds and shutters, 1 and 2 button operation
- Forced setting function for each output
- Scenes, block objects for each channel
- Operation with short / long button push and 2 objects
- Cyclical sending, sending after reset

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Binary Input, 4-fold, 2SU MDRC, Inputs 230 VAC** | | | |
| 4-fold<br>2SU MDRC | BE-04230.02 | A | 185,00 € |
| **Binary Input, 8-fold, 4SU MDRC, Inputs 230 VAC** | | | |
| 8-fold<br>4SU MDRC | BE-08230.02 | A | 251,00 € |
| **Binary Input, 16-fold, 8SU MDRC, Inputs 230 VAC** | | | |
| 16-fold<br>8SU MDRC | BE-16230.02 | A | 384,00 € |

# Binary Inputs

## Binary Input BE for inputs 24 V AC/DC

Version for control signals **12-24 V AC/DC**

Cable length max. 100 m

4 / 8 / 16-fold

- To connect **push-buttons or window / auxiliary contacts**
- LED indicator for each channel
- **New multi-touch function, sends up to 4 values / DPTson the same or different objects**
- **Innovative group control with long / extra long button press**
- **4 integrated logic modules**, e.g. evaluation of the inputs (e.g. window closed or sending second object)
- NO or NC contact operation, sending contact status
- Operation of blinds and shutters, 1 and 2 button operation
- Forced setting function for each output
- Scenes, block objects for each channel
- Operation with short / long button push and 2 objects
- Cyclical sending, sending after reset

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Binary Input, 4-fold, 2SU MDRC, Inputs 24 V AC / DC** | | | |
| **4-fold** 2SU MDRC | BE-04024.02 | A | **185,00 €** |
| **Binary Input, 8-fold, 4SU MDRC, Inputs 24 V AC / DC** | | | |
| **8-fold** 4SU MDRC | BE-08024.02 | A | **251,00 €** |
| **Binary Input, 16-fold, 8SU MDRC, Inputs 24 V AC / DC** | | | |
| **16-fold** 8SU MDRC | BE-16024.02 | A | **384,00 €** |

Binary Inputs

KNX® | Made in Germany | 3 Year warranty

# Universal Interface

## Universal Interface BE flush mounted, for potential-free contacts

Version for connection of
**potential-free contacts or LED**
Cable length max. 10 m
2 / 4 / 6-fold
Integrated bus coupling unit

- To connect **push-buttons or window / auxiliary contacts**
- Each input can be set as 1,5 mA output for low current LED
- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- **4 integrated logic modules,** e.g. evaluation of the inputs (e.g. window closed or sending second object)
- NO or NC contact operation, adjustable length of button push
- Dimming and shutter function for 1 and 2 button operation
- Forced setting function and switching commands for each output
- Short / long button push with 2 objects
- Counting of pulses, cyclical sending of contact state adjustable
- Flush mounted installation (length of connection cables: 21 cm)
- Dimensions (W x H x D): 41 mm x 41 mm x 12 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Universal Interface, 2-fold, flush mounted, Contact Inputs** | | | | |
| | 2-fold | BE-02001.02 | A | **52,00 €** |
| **Universal Interface, 4-fold, flush mounted, Contact Inputs** | | | | |
| | 4-fold | BE-04001.02 | A | **72,00 €** |
| **Universal Interface, 6-fold, flush mounted, Contact Inputs** | | | | |
| | 6-fold | BE-06001.02 | A | **92,00 €** |

## Universal Interface flush mounted, for Inputs 230 V AC

Version for control signals **230 V AC**
Cable length max. 100 m
Integrated bus coupling unit

- To connect **230 V push-buttons, switches, presence detectors**
- **New multi-touch function, sends up to 4 values/DPTs on the same or different objects**
- **Innovative group control with long/extra long button press**
- **4 integrated logic modules**, e.g. evaluation of the inputs (e.g. window closed or sending second object)
- NO or NC contact operation, adjustable length of button push
- Dimming and shutter function for 1 and 2 button operation
- Forced setting function and switching commands for each output
- Short/long button push with 2 objects
- Counting of pulses, cyclical sending of contact state adjustable
- Flush mounted installation (length of connection cables: 22 cm)
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Universal Interface 2-fold, flush mounted, Inputs 230 V AC** | | | | |
| | 2-fold | BE-02230.02 | A | **98,00 €** |

Our high quality assortments, 55 and 63 fit into the design ranges of the following manufacturers

### Assortment 55

Fits 55 mm systems/ranges, e.g.:
- GIRA Standard 55, E2,E22, Event, Esprit
- BERKER S1, B3, B7
- JUNG A 500, A PLUS, A CREATION, AS 500, A550, A FLOW
- MERTEN 1M, M-Smart, M-Plan, M-Pure

### Assortment 63

Fits 63 mm systems/ranges, e.g.:
- Busch-Jaeger future linear, solo, carat, Busch-axcent

## Push-button 55

Version with 2 / 4 / 6 / 8 buttons

Integrated bus coupler

**Suitable for 55 mm switch ranges, overview page 43**

- Push-buttons can be programmed for 1 or 2 button operation
- NO or NC contact operation, operational time of push-button adjustable
- Forced setting function for each output and switching commands adjustable
- Short / long button push and 2 objects
- Operation of blinds and shutters, 1 and 2 button operation
- Centered text area for individual description
- Installation in an installation box with included support ring

| | | | Art.No. | PG.: | List Price |
|---|---|---|---|---|---|
| **Push-button 55, 2-fold, White** | | | | | **EOL** |
| | 2-fold | Matt finish | BE-TA5502.01 | A | 85,00 € |
| | | Glossy finish | BE-TA5502.G1 | | 85,00 € |
| **Push-button 55, 4-fold, White** | | | | | **EOL** |
| | 4-fold | Matt finish | BE-TA5504.01 | A | 95,00 € |
| | | Glossy finish | BE-TA5504.G1 | | 95,00 € |
| **Push-button 55, 6-fold, White** | | | | | **EOL** |
| | 6-fold | Matt finish | BE-TA5506.01 | A | 105,00 € |
| | | Glossy finish | BE-TA5506.G1 | | 105,00 € |
| **Push-button 55, 8-fold, White** | | | | | **EOL** |
| | 8-fold | Matt finish | BE-TA5508.01 | A | 115,00 € |
| | | Glossy finish | BE-TA5508.G1 | | 115,00 € |
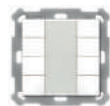
## Push-button 55

Version with 2 / 4 / 6 / 8 buttons

Integrated bus coupler

**Suitable for 55 mm switch ranges, overview page 43**

- **Middle text field with cover foil for individual labelling**
- Push-buttons can be programmed for 1 or 2 button operation
- Single- and double button operation for Switching, Dimming, Blinds, Values
- **Innovative group control with long / extra long operation**
- Value / Scenes toggle with up to 4 values
- Short / long button push and 2 objects
- 4 Logic blocks
- Installation in an installation box with included support ring
- Integrated bus coupler

| | | | Art.No. | PG.: | List Price |
|---|---|---|---|---|---|
| **Push-button 55, 2-fold, White** | | | | | **New Series** |
| | 2-fold | Matt finish | BE-TA5502.02 | A | 85,00 € |
| | | Glossy finish | BE-TA5502.G2 | | 85,00 € |
| **Push-button 55, 4-fold, White** | | | | | **New Series** |
| | 4-fold | Matt finish | BE-TA5504.02 | A | 95,00 € |
| | | Glossy finish | BE-TA5504.G2 | | 95,00 € |
| **Push-button 55, 6-fold, White** | | | | | **New Series** |
| | 6-fold | Matt finish | BE-TA5506.02 | A | 105,00 € |
| | | Glossy finish | BE-TA5506.G2 | | 105,00 € |
| **Push-button 55, 8-fold, White** | | | | | **New Series** |
| | 8-fold | Matt finish | BE-TA5508.02 | A | 115,00 € |
| | | Glossy finish | BE-TA5508.G2 | | 115,00 € |

## Push-button Plus 55

Version with 2 / 4 / 6 / 8 buttons
LED for operation / status and orientation light
Integrated bus coupler
**Suitable for 55 mm switch ranges, overview page 43**

- Push-buttons can be programmed for 1 or 2 button operation
- NO or NC contact operation, operational time of push-button adjustable
- Forced setting function for each output and switching commands adjustable
- Short / long button push with 2 objects
- Operation of blinds and shutters, 1 and 2 button operation
- Centered text area for individual description
- Installation in an installation box with included support ring

| | | | Art.No. | PG.: | List Price |
|---|---|---|---|---|---|
| **Push-button Plus 55, 2-fold, White** | | | | | **EOL** |
| 2-fold | Matt finish | | BE-TA55P2.01 | A | 114,00 € |
| | Glossy finish | | BE-TA55P2.G1 | | 114,00 € |
| **Push-button Plus 55, 4-fold, White** | | | | | **EOL** |
| 4-fold | Matt finish | | BE-TA55P4.01 | A | 124,00 € |
| | Glossy finish | | BE-TA55P4.G1 | | 124,00 € |
| **Push-button Plus 55, 6-fold, White** | | | | | **EOL** |
| 6-fold | Matt finish | | BE-TA55P6.01 | A | 134,00 € |
| | Glossy finish | | BE-TA55P6.G1 | | 134,00 € |
| **Push-button Plus 55, 8-fold, White** | | | | | **EOL** |
| 8-fold | Matt finish | | BE-TA55P8.01 | A | 144,00 € |
| | Glossy finish | | BE-TA55P8.G1 | | 144,00 € |
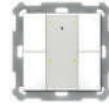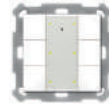
## Push-button Plus 55

Version with 2 / 4 / 6 / 8 buttons and temperature sensor
LED for operation / status and orientation light
Integrated bus coupler
**Suitable for 55 mm switch ranges, overview page 43**

- **Middle text field with cover foil for individual labelling**
- Push-buttons can be programmed for 1 or 2 button operation
- Single- and double button operation for Switching, Dimming, Blinds, Values
- **Innovative group control with long / extra long operation**
- Value / Scenes toggle with up to 4 values
- Short / long button push and 2 objects
- 4 Logic blocks
- 2 / 4 / 6 / 8 Operation/Status LEDs (Red / Green) and Orientation light independently controllable
- Switch object to control the Led priority
- Installation in an installation box with included support ring
- Integrated bus coupler

| | | | Art.No. | PG.: | List Price |
|---|---|---|---|---|---|
| **Push-button Plus 55, 2-fold, White** | | | | | **New Series** |
| 2-fold | Matt finish | | BE-TA55P2.02 | A | 114,00 € |
| | Glossy finish | | BE-TA55P2.G2 | | 114,00 € |
| **Push-button Plus 55, 4-fold, White** | | | | | **New Series** |
| 4-fold | Matt finish | | BE-TA55P4.02 | A | 124,00 € |
| | Glossy finish | | BE-TA55P4.G2 | | 124,00 € |
| **Push-button Plus 55, 6-fold, White** | | | | | **New Series** |
| 6-fold | Matt finish | | BE-TA55P6.02 | A | 134,00 € |
| | Glossy finish | | BE-TA55P6.G2 | | 134,00 € |
| **Push-button Plus 55, 8-fold, White** | | | | | **New Series** |
| 8-fold | Matt finish | | BE-TA55P8.02 | A | 144,00 € |
| | Glossy finish | | BE-TA55P8.G2 | | 144,00 € |
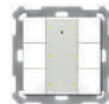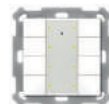
Sortiment 55

## Push Button Plus TS 55

Version with 2 / 4 / 6 / 8 buttons and temperature sensor

LED for operation / status and orientation light

Integrated bus coupler

**Suitable for 55 mm switch ranges, overview page 43**

- **Temperature sensor to measure room temperature**
- **Middle text field with cover foil for individual labelling**
- Push-buttons can be programmed for 1 or 2 button operation
- Single- and double button operation for Switching, Dimming, Blinds, Values
- **Innovative group control with long / extra long operation**
- Value / Scenes toggle with up to 4 values
- Short / long button push and 2 objects
- 4 Logic blocks
- 2 / 4 / 6 / 8 Operation/Status LEDs (Red / Green) and Orientation light independently controllable
- Switch object to control the Led priority
- Installation in an installation box with included support ring
- Integrated bus coupler

| | | | Art.Nr.: | PG.: | Listenpreis: |
|---|---|---|---|---|---|
| **Push Button Plus TS 55 2-fold, White** | | | | | **New** |
| | 2-fold | Matt finish | **BE-TA55T2.02** | A | **125,00 €** |
| | | Glossy finish | **BE-TA55T2.G2** | | **125,00 €** |
| **Push Button Plus TS 55 4-fold, White** | | | | | **New** |
| | 4-fold | Matt finish | **BE-TA55T4.02** | A | **135,00 €** |
| | | Glossy finish | **BE-TA55T4.G2** | | **135,00 €** |
| **Push Button Plus TS 55 6-fold, White** | | | | | **New** |
| | 6-fold | Matt finish | **BE-TA55T6.02** | A | **145,00 €** |
| | | Glossy finish | **BE-TA55T6.G2** | | **145,00 €** |
| **Push Button Plus TS 55 8-fold, White** | | | | | **New** |
| | 8-fold | Matt finish | **BE-TA55T8.02** | A | **155,00 €** |
| | | Glossy finish | **BE-TA55T8.G2** | | **155,00 €** |
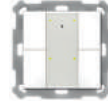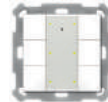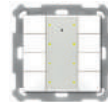
# Push-button Lite 55 Basic

**Version 1-fold**
with 1 button pair / 2 button surfaces
**Version 2-fold**
with 2 button pairs / 4 button surfaces
Integrated bus coupler
**Suitable for 55 mm switch ranges,
overview page 43**

- Push-buttons can be programmed for 1 or 2 button operation
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push and 2 objects
- Innovative group control with long / extra long button press
- New multi-touch function, sends up to 4 values / DPTs on the same or different objects
- 4 logic blocks
- Installation in an installation box with included support ring

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Push-button Lite 55 Basic, 1-fold, White glossy finish** | | | |
| 1-fold | BE-TAL55B1.01 | A | 80,00 € |
| **Push-button Lite 55 Basic, 2-fold, White glossy finish** | | | |
| 2-fold | BE-TAL55B2.01 | A | 91,00 € |

# Push-button Lite 55 1-fold

**Version 1-fold**
with 1 button pair / 2 button surfaces
Integrated bus coupler
**Suitable for 55 mm switch ranges,
overview page 43**

- Push-buttons can be programmed for 1 or 2 button operation
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push and 2 objects
- **Innovative group control with long / extra long button press**
- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Two RGBW status LED per button pair**
- **LED brighness controllable via day / night or brightness object**
- 4 logic blocks
- Installation in an installation box with included support ring

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Push-button Lite 55 1-fold, RGBW, White glossy finish** | | | |
| NEUTRAL | BE-TAL5501.01 | A | 89,00 € |
| **Push-button Lite 55 1-fold, RGBW, White glossy finish** | | | |
| NEUTRAL with temperature sensor | BE-TAL55T1.01 | A | 94,00 € |
| **Push-button Lite 55 1-fold, RGBW, White glossy finish** | | | |
| UP / DOWN symbol | BE-TAL5501.A1 | A | 93,00 € |
| **Push-button Lite 55 1-fold, RGBW, White glossy finish** | | | |
| I / O symbol | BE-TAL5501.B1 | A | 93,00 € |
| **Push-button Lite 55 1-fold, RGBW, White glossy finish** | | | |
| I / O symbol with temperature sensor | BE-TAL55T1.B1 | A | 98,00 € |

## Push-button Lite 55 2-fold

**Version 2-fold**
with 2 button pairs / 4 button surfaces.

Integrated bus coupler

**Suitable for 55 mm switch ranges,
overview page 43**

- Push-buttons can be programmed for 1 or 2 button operation
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push with 2 objects
- **Innovative group control with long / extra long button press**
- **New multi-touch function, sends up to 4 values / DPTs
  on the same or different objects**
- **Two RGBW Status LED per button pair**
- **LED brighness controllable via day / night or brightness object**
- 4 logic blocks
- Installation in an installation box with included support ring

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Push-button Lite 55 2-fold, RGBW, White glossy finish** | | | | |
| | NEUTRAL | BE-TAL5502.01 | A | **99,00 €** |
| **Push-button Lite 55 2-fold, RGBW, White glossy finish** | | | | |
| | NEUTRAL with temperature sensor | BE-TAL55T2.01 | A | **104,00 €** |
| **Push-button Lite 55 2-fold, RGBW, White glossy finish** | | | | |
| | UP / DOWN symbol | BE-TAL5502.A1 | A | **103,00 €** |
| **Push-button Lite 55 2-fold, RGBW, White glossy finish** | | | | |
| | I / O symbol | BE-TAL5502.B1 | A | **103,00 €** |
| **Push-button Lite 55 2-fold, RGBW, White glossy finish** | | | | |
| | I / O symbol with temperature sensor | BE-TAL55T2.B1 | A | **108,00 €** |
| **Push-button Lite 55 2-fold, RGBW, White glossy finish** | | | | |
| | Version UP / DOWN and I / O symbol | BE-TAL5502.C1 | A | **103,00 €** |
| **Push-button Lite 55 2-fold, RGBW, White glossy finish** | | | | |
| | Version UP / DOWN and I / O symbol with temperature sensor | BE-TAL55T2.C1 | A | **108,00 €** |
| **Push-button Lite 55 2-fold, RGBW, White glossy finish** | | | | |
| | Version I / O and UP / DOWN symbol | BE-TAL5502.D1 | A | **103,00 €** |
| **Push-button Lite 55 2-fold, RGBW, White glossy finish** | | | | |
| | Version I / O and UP / DOWN symbol with temperature sensor | BE-TAL55T2.D1 | A | **108,00 €** |

|  | Art.No. | PG.: | List Price |
|---|---|---|---|

## Push-button Lite 55 4-fold

**Version with 4 push-button surfaces**
Integrated bus coupling unit
**Suitable for 55 mm switch ranges, overview page 43**

### Push-button Lite 55 4-fold, RGBW, White glossy finish

| | | | |
|---|---|---|---|
| NEUTRAL | **BE-TAL5504.01** | A | **99,00 €** |

### Push-button Lite 55 4-fold, RGBW, White glossy finish

| | | | |
|---|---|---|---|
| NEUTRAL with temperature sensor | **BE-TAL55T4.01** | A | **104,00 €** |

- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- 1 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push with 2 objects
- **Four RGBW Status LEDs**
- **LED brighness controllable via day / night or brightness object**
- 4 logic blocks
- Installation in an installation box with included support ring

# Assortment 55

## Push-button Smart 55

Version with 4 mechanical push-button surfaces

BE-TAS55T4.01
Additionally with t**emperature/humidity sensor**, as well as functions for setting the temperature and operating mode

**Suitable for 55 mm switch ranges, overview page 43**

Integrated bus coupling unit

- **Active colour display for function and status indication**
- Adjustable background colour of the display (white or black)
- Display brightness adjustable via brightness and day/night object
- Visualization of indoor/outdoor temperature and time
- **New multi touch function, sends up to 4 values/DPTs on the same or different objects**
- **Innovative group control with long/extra long button press**
- 1 and 2 button operation for switching, dimming, shutters, values
- **Symbols and plain text adjustable for each button/function**
- Short/long button push with 2 objects
- Installation in an installation box with included support ring
- Recommended installation height: 1.05 - 1.20 m
- **No additional power supply required**

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Push-button Smart 55 4-fold with colour display, white glossy finish** | | | |
| **4-fold** | BE-TAS5504.01 | A | **155,00 €** |
| **Push-button Smart 55 4-fold with colour display, white glossy finish** | | | |
| **4-fold** with temperature/ humidity sensor | BE-TAS55T4.01 | A | **165,00 €** |

## Shutter Push-button Smart 55

Version with 4 mechanical push-button and **integrated timer**

Integrated bus coupling unit

**Suitable for 55 mm switch ranges, overview page 43**

- **Active colour display for function and status indication**
- Display brightness adjustable via brightness and day/night object
- **Display of altitude, slat and wind/rain/frost alarm**
- Up/down buttons for manual operation
- Innovative group control with long/extra long button press
- **Timer with 8 switching times, power reserve**
- **Daily/weekly/astro switching function**
- **Automatic holiday calculation**
- Switching times adjustable via ETS and on the pushbutton
- Control of height and slat via timer
- **Time switch and automatic shading can be activated manually**
- Output objects for date / time (master)
- Date / time adjustable via bus (slave)
- 8 logic blocks with 4 inputs each
- Installation in an installation box with included support ring
- No additional power supply required

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Shutter Push-button Smart 55 with colour display, white glossy finish** | | | |
| **4-fold** with integrated time switch | BE-JTA5504.01 | A | **155,00 €** |

## Motion Detector / Automatic Switch 55

Motion detector with 2 sensors

Integrated bus coupling unit

**Suitable for 55 mm switch ranges, overview page 43**

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Motion Detector / Automatic Switch 55, white** | | | |
| Matt finish | **SCN-BWM55.02** | A | **146,00 €** |
| **Motion Detector / Automatic Switch 55, white** | | | |
| Glossy finish | **SCN-BWM55.G2** | A | **146,00 €** |

- **Motion detector with light sensor and 2 sensors**
- Motion detection angle H 180° / V 15°, coverage 6-10 m Ø
- **Suitable for pets up to 12 kg**
- **Sensitivity separately adjustable for day/night/presence**
- **Detection of moving direction**
- 2 light channels, 1 channel for HVAC and alarm
- Short time presence to reduce stopping time
- Master/slave function, scenes and logical functions
- **Integrated white LED night light**
- Day/night function, orientation light function
- Block and forced setting functions with release time
- External push button input for automatic and manual operation
- Recommended installation height: 1.05 - 1.20 m
- Installation in an installation box with included support ring

## Motion Detector / Automatic Switch TS 55

Motion detector with 2 sensors

**Version with temperature sensor and 2 sensor keys**

Integrated bus coupling unit

**Suitable for 55 mm switch ranges, overview page 43**

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Motion Detector / Automatic Switch TS 55, white** | | | |
| Matt finish | **SCN-BWM55T.02** | A | **165,00 €** |
| **Motion Detector / Automatic Switch TS 55, white** | | | |
| Glossy finish | **SCN-BWM55T.G2** | A | **165,00 €** |

- **Motion detector with light sensor and 2 sensors**
- **Two sensor keys for any function**
- **Temperature sensor for capturing the room temperature**
- Motion detection angle H 180° / V 15°, coverage 6-10 m Ø
- **Suitable for pets up to 12 kg**
- **Sensitivity separately adjustable for day/night/presence**
- **Detection of moving direction**
- 2 light channels, 1 channel for HVAC and alarm
- Short time presence to reduce stopping time
- Master/slave function, scenes and logical functions
- **Integrated white LED night light**
- Day/night function, orientation light function
- Block and forced setting functions with release time
- External push button input for automatic and manual operation
- Recommended installation height: 1.05 - 1.20 m
- Installation in an installation box with included support ring

KNX® | Made in Germany | 3 Year warranty

# Assortment 55

## Room Temperature Controller 55

**Temperature controller** version

Integrated bus coupling unit

**Suitable for 55 mm switch ranges, overview page 43**

- Selectable temperature controller (PI, two-position, PWM)
- Setpoint values are stored on bus voltage failure
- Bit / Byte object to set the given value
- For indoor temperature controlling, range -10 to +50 °C
- Limit values min / max, frost- / heat protection alarm, min / max memory
- Setpoint value via visualization, e.g. MDT VisuControl
- Day- / night- / frost- / heat protection operation
- Status feedback by HVAC and RHCC status objects
- Operation mode can be set via Bit / Byte objects
- Installation with support ring (included in delivery)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Room Temperature Controller 55, white** | | | |
| Matt finish | SCN-RT1UP.01 | B | **122,00 €** |
| **Room Temperature Controller 55, white** | | | |
| Glossy finish | SCN-RT1UP.G1 | B | **122,00 €** |

## Room Temperature Sensor 55

**Temperature sensor** version

Integrated bus coupling unit

**Suitable for 55 mm switch ranges, overview page 43**

- Temperature sensor
- Measuring range -10 to +50 °C
- Limit values min / max, frost- / heat protection alarm, min / max memory
- Installation with support ring (included in delivery)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Room Temperature Sensor 55, white** | | | |
| Matt finish | SCN-TS1UP.01 | B | **105,00 €** |
| **Room Temperature Sensor 55, white** | | | |
| Glossy finish | SCN-TS1UP.G1 | B | **105,00 €** |

## Room Temperature Controller 55

With adjusting wheel for setpoint setting

Integrated bus coupling unit

**Suitable for 55 mm switch ranges, overview page 43**

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Room Temperature Controller 55, adjustable, white** | | | |
| Matt finish | SCN-RT1UPE.01 | B | **133,00 €** |
| **Room Temperature Controller 55, adjustable, white** | | | |
| Glossy finish | SCN-RT1UPE.G1 | B | **133,00 €** |

- Selectable temperature controller (PI, two-position, PWM)
- Setpoint values are stored on bus voltage failure
- Bit / Byte object to set the given value
- For indoor temperature controlling, range -10 to +50 °C
- Limit values min / max, frost- / heat protection alarm, min / max memory
- Setpoint value via visualization, e.g. MDT VisuControl
- Day- / night- / frost- / heat protection operation
- Status feedback by HVAC and RHCC status objects
- Operation mode can be set via Bit / Byte objects
- Installation with support ring (included in delivery)

## Room Temperature Controller Smart 55

**With colour display, temperature / humidity sensor and 4 inputs**

Integrated bus coupling unit

**Suitable for 55 mm switch ranges, overview page 43**

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Room Temperature Controller Smart 55, white glossy finish** | | | |
| White Glossy finish | SCN-RTR55S.01 | B | **163,00 €** |

- **Active colour display to indicate function and status**
- **Background colour w / b and display brightness adjustable**
- **Display of set and actual temperature**
- **For indoor temperature control, range -10 to +50 °C**
- Selectable temperature controller (PI, two-position, PWM)
- Simple setpoint adjustment via separate + / - buttons
- 1 Bit + / -, 1 Byte or 2 Byte absolute object for setpoint adjustment
- Setpoint values are stored on bus voltage failure
- Limit values min / max, frost protection alarm, min / max memory
- Operation mode can be set via Bit / Byte objects
- **Temperature and humidity sensor with dew point calculation**
- Message when leaving the comfort zone
- **4 binary inputs to connect floating contacts (push-buttons or window / auxiliary contacts)**
- Ventilation control by hand or automatic operation
- 14 Byte object for plain text diagnostic
- Installation in an installation box with included support ring
- Recommended installation height: 1.60 m

## Room Temperature Extension Unit Smart 55

**With colour display, temperature / humidity sensor**

Integrated bus coupling unit

**Suitable for 55 mm switch ranges, overview page 43**

- **Active colour display to indicate function and status**
- **Background colour w / b and display brightness adjustable**
- **Display of set and actual temperature**
- **Room Temperature Extension Unit for indoor rooms Range -10 to +50 °C**
- Simple setpoint adjustment via separate + / - buttons
- 1 Bit + / -, 1 Byte oder 2 Byte absolute object for setpoint adjustment
- Limit values min / max, min / max memory
- **Control of the room temperatur in interaction with MDT AKH Heating Actuators**
- Ventilation control by hand or automatic operation
- Installation in an installation box with included support ring
- Recommended installation height: 1.60 m

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Room Temperature Extension Unit Smart 55, white glossy finish** | | | |
| White Glossy finish | **SCN-RTN55S.01** | B | **142,00 €** |

## Object Controller 55

**With temperature / humidity sensor and 4 inputs**

Integrated bus coupling unit

**Suitable for 55 mm switch ranges, overview page 43**

- **Room temperature controller for indoor rooms Range -10 to +50 °C**
- **Selectable temperature controller (PI, two-position, PWM)**
- 1 Bit + / -, 1 Byte oder 2B yte absolute object for setpoint adjustment
- Setpoint values are stored on bus voltage failure
- Limit values min / max, frost protection alarm, min / max memory
- Operation mode can be set via Bit / Byte objects
- **Temperature and humidity sensor with dew point calculation**
- Message when leaving the comfort zone
- **4 binary inputs to connect floating contacts (push-buttons or window / auxiliary contacts)**
- Ventilation control by hand or automatic operation
- 14 Byte object for plain text diagnostic
- Installation in an installation box with included support ring
- Recommended installation height: 1.60 m

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Object Controller 55, white glossy finish** | | | |
| White Glossy finish | **SCN-RTR55O.01** | B | **140,00 €** |

## Room Temperature / Humidity sensor 55

Integrated bus coupling unit

**Suitable for 55 mm switch ranges, overview page 43**

- **Room temperature sensor for indoor rooms Range -10 to +50 °C**
- **Humidity sensor with dew point calculation**
- **Message when leaving the comfort zone**
- **Limit values min/max, min/max memory**
- Installation in an installation box with included support ring
- Recommended installation height: 1.60 m

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Room Temperature / Humidity sensor 55, white glossy finish** | | | | |
| | White Glossy finish | **SCN-TFS55.01** | B | **122,00 €** |

## CO2 / VOC Combi Sensor 55

Version with 2 sensors
Integrated bus coupling unit

**Suitable for 55 mm switch ranges, overview page 43**

- **Combi sensor for measuring the CO2 and mixed gas concentration (VOC), room temperature and relative humidity**
- Upper and lower threshold value adjustable for each measured value
- **Air quality control function adjustable as step / PI controller for CO2 or VOC sensor**
- 4 step controllers with 1 Bit output or 1 Byte output with adjustable thresholds
- PI controller with externally adjustable setpoint and adjustable control parameters
- **Air quality lamp function adjustable to CO2 or VOC sensor with 4 colour channels and adjustable 1 Bit / scene / RGB or HSV output objects**
- Installation in windproof flush-mounted box with supplied support ring
- Supply via KNX bus without auxiliary voltage

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **CO2 / VOC Combi Sensor 55 , white glossy finish** | | | | |
| | White Glossy finish | **SCN-CO2MGS.02** | B | **289,00 €** |

# Assortment 55

## LED Indicator 55

Version with **12 RGB LEDs**
Integrated bus coupling unit
**Suitable for 55 mm switch ranges,
overview page 43**



- **12 independently switchable RGB LEDs**
- Centered title block with cover film for individual marking
- **3 objects for each LED**
- **4 states for each LED possible (value=0, value=1,
  priority object=1, failure of an object)**
- 8 logic blocks with 8 inputs each (8 objects)
- 4 modules to compare telegrams
- Brightness adjustable in 2 steps
- **Day / night object**
- Deactivation / reduction of the brightness
- Object presence/absence
- **Drop out monitoring for objects with report function**
- Object with report function (e.g. absence or window opened)
- Installation in an installation box with included support ring

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **LED Indicator 55, white glossy finish** | | | |
| White Glossy finish | **SCN-LED55.01** | B | **140,00 €** |

MDT TECHNOLOGIES

## Push-button Lite 63 1-fold

**Version 1-fold**
with 1 button pair / 2 button surfaces
Integrated bus coupler
**Suitable for 63 mm switch ranges, overview page 43**

- New multi-touch function, sends up to 4 values / DPTs on the same or different objects
- **Innovative group control with long / extra long button press**
- Push-buttons can be programmed for 1 or 2 button operation
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push and 2 objects
- **Two RGBW status LEDs per button pair**
- **LED brighness controllable via day / night or brightness object**
- 4 logic blocks
- Installation in an installation box with included support ring

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Push-button Lite 63 1-fold, RGBW, studio white glossy finish** | | | | |
| | NEUTRAL | BE-TAL6301.01 | A | **89,00 €** |
| **Push-button Lite 63 1-fold, RGBW, studio white glossy finish** | | | | |
| | NEUTRAL with temperature sensor | BE-TAL63T1.01 | A | **94,00 €** |
| **Push-button Lite 63 1-fold, RGBW, studio white glossy finish** | | | | |
| | Version UP / DOWN symbol | BE-TAL6301.A1 | A | **93,00 €** |
| **Push-button Lite 63 1-fold, RGBW, studio white glossy finish** | | | | |
| | Version I / O symbol | BE-TAL6301.B1 | A | **93,00 €** |
| **Push-button Lite 63 1-fold, RGBW, studio white glossy finish** | | | | |
| | Version I / O symbol with temperature sensor | BE-TAL63T1.B1 | A | **98,00 €** |

## Push-button Lite 63 2-fold

**Version 2-fold**
with 2 button pairs / 4 button surfaces.
Integrated bus coupler
**Suitable for 63 mm switch ranges, overview page 43**

- New multi-touch function, sends up to 4 values/DPTs on the same or different objects
- **Innovative group control with long/extra long button press**
- Push-buttons can be programmed for 1 or 2 button operation
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values/scenes with up to 4 values
- Short/long button push and 2 objects
- **Two RGBW status LEDs per button pair**
- **LED brighness controllable via day/night or brightness object**
- 4 logic blocks
- Installation in an installation box with included support ring

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Push-button Lite 63 2-fold, RGBW, studio white glossy finish** | | | | |
| | NEUTRAL | BE-TAL6302.01 | A | **99,00 €** |
| **Push-button Lite 63 2-fold, RGBW, studio white glossy finish** | | | | |
| | NEUTRAL with temperature sensor | BE-TAL63T2.01 | A | **104,00 €** |
| **Push-button Lite 63 2-fold, RGBW, studio white glossy finish** | | | | |
| | Version UP / DOWN symbol | BE-TAL6302.A1 | A | **103,00 €** |
| **Push-button Lite 63 2-fold, RGBW, studio white glossy finish** | | | | |
| | Version I / O symbol | BE-TAL6302.B1 | A | **103,00 €** |
| **Push-button Lite 63 2-fold, RGBW, studio white glossy finish** | | | | |
| | Version I / O symbol with temperature sensor | BE-TAL63T2.B1 | A | **108,00 €** |
| **Push-button Lite 63 2-fold, RGBW, studio white glossy finish** | | | | |
| | Version UP / DOWN and I / O symbol | BE-TAL6302.C1 | A | **103,00 €** |
| **Push-button Lite 63 2-fold, RGBW, studio white glossy finish** | | | | |
| | Version UP / DOWN and I / O symbol with temperature | BE-TAL63T2.C1 | A | **108,00 €** |
| **Push-button Lite 63 2-fold, RGBW, studio white glossy finish** | | | | |
| | Version I / O and UP / DOWN symbol | BE-TAL6302.D1 | A | **103,00 €** |
| **Push-button Lite 63 2-fold, RGBW, studio white glossy finish** | | | | |
| | Version I / O and UP / DOWN symbol with temperature | BE-TAL63T2.D1 | A | **108,00 €** |

KNX®  M Made in Germany  3 Year warranty

# Assortment 63

## Push-button Lite 63 4-fold

**Version with 4 push-button surfaces**
Integrated bus coupling unit
**Suitable for 63 mm switch ranges, overview page 43**

- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push with 2 objects
- **Four RGBW status LEDs**
- **LED brighness controllable via day / night or brightness object**
- 4 logic blocks
- Installation in an installation box with included support ring

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Push-button Lite 63 4-fold, RGBW, studio white glossy finish** | | | |
| NEUTRAL | BE-TAL6304.01 | A | 99,00 € |
| **Push-button Lite 63 4-fold, RGBW, studio white glossy finish** | | | |
| NEUTRAL with temperature sensor | BE-TAL63T4.01 | A | 104,00 € |

## Push-button Smart 63

Version with 4 mechanical push-button surfaces.
BE-TAS63T4.01
Additionally with **temperature/humidity sensor**, as well as functions for setting the temperature and operating mode.
**Suitable for 63 mm switch ranges, overview page 43**
Integrated bus coupling unit

- **Active colour display for function and status indication**
- Adjustable background colour of the display (white or black)
- Automatic display brightness via light sensor and day / night object
- Visualization of indoor / outdoor temperature and time
- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- 1 and 2 button operation for switching, dimming, shutters, values
- **Symbols and plain text adjustable for each button / function**
- Short / long button push with 2 objects
- Installation in an installation box with included support ring
- Recommended installation height: 1.05 - 1.20 m
- **No additional power supply required**

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Push-button Smart 63 4-fold with colour display, studio white glossy finish** | | | |
| 4-fold | BE-TAS6304.01 | A | 155,00 € |
| **Push-button Smart 63 4-fold with colour display, studio white glossy finish** | | | |
| 4-fold with temperature/ humidity sensor | BE-TAS63T4.01 | A | 165,00 € |

# Motion Detector / Automatic Switch 63

**Motion detector with 2 sensors**
Integrated bus coupling unit
**Suitable for 63 mm switch ranges,
overview page 43**

- **Motion detector with light sensor and 2 sensors**
- Motion detection angle H 180° / V 15°, coverage 6-10 m Ø
- **Suitable for pets up to 12 kg**
- **Sensitivity separately adjustable for day / night / presence**
- **Detection of movement direction**
- 2 light channels, 1 channel for HVAC and alarm
- Short time presence to reduce stopping time
- Master / slave function, scenes and logic functions
- **Integrated white LED night light**
- Day / night function, orientation light function
- Block and forced setting functions with release time
- External push-button input for automatic and manual operation
- Recommended installation height: 1.05 - 1.20 m
- Installation in an installation box with included support ring

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Motion Detector / Automatic Switch 63, studio white glossy finish** | | | |
| Studio white Glossy finish | **SCN-BWM63.02** | A | **146,00 €** |

# Motion Detector / Automatic Switch TS 63

Motion detector with 2 sensors
**Version with temperature sensor and 2 sensor buttons**
Integrated bus coupling unit
**Suitable for 63 mm switch ranges,
overview page 43**

- **Motion detector with light sensor and 2 sensors**
- **Two sensor keys for any function**
- **Temperature sensor for capturing the room temperature**
- Motion detection angle H 180° / V 15°, coverage 6-10 m Ø
- **Suitable for pets up to 12 kg**
- **Sensitivity separately adjustable for day / night / presence**
- **Detection of movement direction**
- 2 light channels, 1 channel for HVAC and alarm
- Short time presence to reduce stopping time
- Master / slave function, scenes and logic functions
- **Integrated white LED night light**
- Day / night function, orientation light function
- Block and forced setting functions with release time
- External push-button input for automatic and manual operation
- Recommended installation height: 1.05 - 1.20 m
- Installation in an installation box with included support ring

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Motion Detector/Automatic Switch TS 63, studio white glossy finish** | | | |
| Studio white Glossy finish | **SCN-BWM63T.02** | A | **165,00 €** |

## Room Temperature Controller Smart 63

**With colour display, temperature / humidity sensor and 4 inputs**

Integrated bus coupling unit

**Suitable for 63 mm switch ranges, overview page 43**

- **Active colour display to indicate function and status**
- **Background colour w / b and display brightness adjustable**
- **Display of set and actual temperature**
- **For indoor temperature control, range -10 to +50 °C**
- Selectable temperature controller (PI, two-position, PWM)
- Simple setpoint adjustment via separate + / - buttons
- 1 Bit + / -, 1 Byte oder 2 Byte absolute object for setpoint adjustment
- Setpoint values are stored on bus voltage failure
- Limit values min / max, frost protection alarm, min / max memory
- Operation mode can be set via Bit / Byte objects
- **Temperature and humidity sensor with dew point calculation**
- Message when leaving the comfort zone
- **4 binary inputs to connect floating contacts (push-buttons or window / auxiliary contacts)**
- Ventilation control by hand or automatic operation
- 14 Byte object for plain text diagnostic
- Recommended installation height: 1.60 m
- Installation in an installation box with included support ring

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Room Temperature Controller Smart 63, studio white glossy finish** | | | |
| Studio white Glossy finish | **SCN-RTR63S.01** | B | **163,00 €** |

## Room Temperature Extension Unit Smart 63

**With colour display, temperature / humidity sensor**

Integrated bus coupling unit

**Suitable for 63 mm switch ranges, overview page 43**

- **Active colour display to indicate function and status**
- **Background colour w / b and display brightness adjustable**
- **Display of set and actual temperature**
- **Room Temperature Extension Unit for indoor rooms Range -10 to +50 °C**
- Simple setpoint adjustment via separate + / - buttons
- 1 Bit + / -, 1 Byte oder 2 Byte absolute object for setpoint adjustment
- Limit values min / max, min / max memory
- **Controlling of the room temperatur in interaction with MDT AKH Heating Actuators**
- Ventilation control by hand or automatic operation
- Installation in a installation box with included support ring
- Recommended installation height: 1.60 m

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Room Temperature Extension Unit Smart 63, studio white glossy finish** | | | |
| Studio white Glossy finish | **SCN-RTN63S.01** | B | **142,00 €** |

**MDT**
TECHNOLOGIES

## Object Controller 63

**With temperature / humidity sensor and 4 inputs**

Integrated bus coupling unit

**Suitable for 63 mm switch ranges, overview page 43**

- **Room temperature controller for indoor rooms Range -10 to +50 °C**
- **Selectable temperature controller (PI, two-position, PWM)**
- 1 Bit + / -, 1 Byte or 2 Byte absolute object for setpoint adjustment
- Setpoint values are stored at bus voltage failure
- Limit values min / max, frost protection alarm, min / max memory
- Operation mode can be set via Bit / Byte objects
- **Temperature and humidity sensor with dew point calculation**
- Message when leaving the comfort zone
- **4 binary inputs to connect floating contacts (push-buttons or window / auxiliary contacts)**
- Ventilation control by hand or automatic operation
- 14 Byte object for plain text diagnostic
- Installation in an installation box with included support ring
- Recommended installation height: 1.60 m

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Object Controller 63, studio white glossy finish** | | | | |
| | Studio white Glossy finish | **SCN-RTR63O.01** | B | **140,00 €** |

## Room Temperature / Humidity sensor 63

Integrated bus coupling unit

**Suitable for 63 mm switch ranges, overview page 43**

- Room temperatur sensor for indoor rooms Range -10 to +50 °C
- **Humidity sensor with dew point calculation**
- **Message when leaving the comfort zone**
- **Limit values min / max, min / max memory**
- Installation in an installation box with included support ring
- Recommended installation height: 1.60 m

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Room Temperature / Humidity sensor 63, studio white glossy finish** | | | | |
| | Studio white Glossy finish | **SCN-TFS63.01** | B | **122,00 €** |

KNX® | Made in Germany | 3 Year warranty

## Push-button Smart 86

Version with 6 keys, with **colour display** and RGB status display

Can be used as 4 / 6 / 8 / 12-way push-button



| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Push-button Smart 86, with colour display, plastic, white glossy finish** | | | **New Series** |
| White Glossy finish | **BE-TAS86.02** | A | **208,00 €** |
| **Push-button Smart 86, with colour display, plastic, white glossy finish** | | | **New Series** |
| White Glossy finish with temperature sensor | **BE-TAS86T.02** | A | **238,00 €** |

**New functions Series .02**
- **Innovative group control with long / extra long operation / Keystroke**
- **New mapping function for convenient function allocation**
- **Extended info display with up to 3 lines and up to 6 measured values**
- **Modern Icons (Icon upload)**
- **Slap function with new range of functions**

**General functions**
- The buttons can be programmed for 1 or 2 button operation
- Up to 12 functions on 2 or 3 levels (2x6 or 3x4 functions)
- Up to 6 functions without level switching
- Large, active colour display to indicate function and status
- Adjustable background colour of the display (white or black)
- New Standard symbols
- Symbols and plain text adjustable for each button / function
- Indication of individual messages / text telegrams (1 Bit / 14 Byte)
- 1 or 2 button operation for switching, dimming, shutters, values
- Short / long button push with 2 objects
- RGB status of all buttons separately controllable from each level
- Indication of indoor / outdoor temperature and time
- Automatic display brightness via light sensor and day / night object
- Recommended installation height: 1.10 - 1.25m (as Push Button)
- Installation in an installation box
- Dimensions (W x H): 86 mm x 86 mm
- No additional power supply required

**Push-button Smart 86 with temperature sensor**
- with temperature sensor to measure room temperature
- Additional functions to set temperature and operating mode
- Application as RTC in combination with AKH heating actuator

# Central Operation Unit Smart 86

Version with 6 keys, with **colour display** and RGB status display.

Central control point with up to **24 operating functions,** timer and integrated integrated room thermostat.

Integrated bus coupling unit

- Large, active colour display (automatic brightness adjustment)
- Four direct operating functions (e.g. present, light, blinds)
- **20 operating functions via menu / time switch** (e.g. dimmer / shutter / switching / send values / scenes / temperature set points)
- **Code lock** with 4-6 digits, to lock and unlock the device or alarm activation
- **Daily / weekly / astronomical time switch** (20 channels each with 6 switching times)
- **Holiday function with time period activation**
- **Automatic calculation of public holidays**
- **Comfortable room temperature controller with temp. sensor**
- **Ventilation control (manual or automatic)**
- **Visualisation of indoor / outdoor temperature, setpoint and time / date**
- **Visualisation of status information / messages** (1 Bit / 14 Byte)
- 6 status LEDs independently controllable
- 6 logic blocks each with 4 inputs
- No additional power supply required
- Installation in an installation box, dimensions (W x H): 86 mm x 86 mm
- Recommended installation height: 1.60 m

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Central Operation Unit Smart 86 with colour display, plastic, white glossy finish** | | | | |
| | White Glossy finish | **BE-BZS86.01** | B | **274,00 €** |

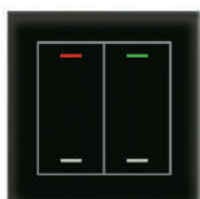# Assortment Glass

## Glass Push-button II Lite 1-fold

**Version 1-fold**
with 1 button pair / 2 sensor surfaces.
Integrated bus coupling unit

- **Comprehensive application**
- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- Push-buttons can be programmed for 1 or 2 button operation
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push with 2 objects
- **Slap function with additional switch channel**
- **Two RGBW status LEDs**
- **LED brighness controllable via day / night or brightness object**
- 4 logic blocks
- Installation in an installation box
- Dimensions (W x H): 92 mm x 92 mm

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Glass Push-button II Lite 1-fold, RGBW, white** | | | |
| NEUTRAL | BE-GTL10W.01 | A | **129,00 €** |
| **Glass Push-button II Lite 1-fold, RGBW, white** | | | |
| NEUTRAL with temperature sensor | BE-GTL1TW.01 | A | **149,00 €** |
| **Glass Push-button II Lite 1-fold, RGBW, white** | | | |
| Version UP / DOWN symbol | BE-GTL10W.A1 | A | **133,00 €** |
| **Glass Push-button II Lite 1-fold, RGBW, white** | | | |
| Version I / O symbol with temperature sensor | BE-GTL1TW.B1 | A | **153,00 €** |

## Glass Push-button II Lite 1-fold

**Version 1-fold**
with 1 button pair / 2 sensor surfaces.
Integrated bus coupling unit.

- **Comprehensive application**
- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- Push-buttons can be programmed for 1 or 2 button operation
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push with 2 objects
- **Slap function with additional switch channel**
- **Two RGBW status LEDs**
- **LED brighness controllable via day / night or brightness object**
- 4 logic blocks
- Installation in an installation box
- Dimensions (W x H): 92 mm x 92 mm

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Glass Push-button II Lite 1-fold, RGBW, black** | | | |
| NEUTRAL | BE-GTL10S.01 | A | **129,00 €** |
| **Glass Push-button II Lite 1-fold, RGBW, black** | | | |
| NEUTRAL with temperature sensor | BE-GTL1TS.01 | A | **149,00 €** |
| **Glass Push-button II Lite 1-fold, RGBW, black** | | | |
| Version UP / DOWN symbol | BE-GTL10S.A1 | A | **133,00 €** |
| **Glass Push-button II Lite 1-fold, RGBW, black** | | | |
| Version I / O symbol with temperature sensor | BE-GTL1TS.B1 | A | **153,00 €** |

## Glass Push-button II Lite 2-fold

**2-fold version**
with 2 button pairs / 4 sensor surfaces
Integrated bus coupling unit

GERMAN INNOVATION AWARD '20 WINNER

- **Comprehensive application**
- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- Push-buttons can be programmed for 1 or 2 button operation
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push with 2 objects
- **Slap function with additional switch channel**
- **Four RGBW status LEDs**
- **LED brighness controllable via day / night or brightness object**
- 4 logic blocks
- Installation in an installation box, dimensions (W x H): 92 mm x 92 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Glass Push-button II Lite 2-fold, RGBW, white** | NEUTRAL | BE-GTL20W.01 | A | 141,00 € |
| **Glass Push-button II Lite 2-fold, RGBW, white** | NEUTRAL with temperature sensor | BE-GTL2TW.01 | A | 161,00 € |
| **Glass Push-button II Lite 2-fold, RGBW, white** | Version UP / DOWN symbol | BE-GTL20W.A1 | A | 145,00 € |
| **Glass Push-button II Lite 2-fold, RGBW, white** | Version I / O symbol with temperature sensor | BE-GTL2TW.B1 | A | 165,00 € |
| **Glass Push-button II Lite 2-fold, RGBW, white** | Version UP / DOWN and I / O symbol with temperature sensor | BE-GTL2TW.C1 | A | 165,00 € |
| **Glass Push-button II Lite 2-fold, RGBW, white** | Version I / O and UP / DOWN symbol with temperature sensor | BE-GTL2TW.D1 | A | 165,00 € |

## Glass Push-button II Lite 2-fold

**2-fold version**
with 2 button pairs / 4 sensor surfaces
Integrated bus coupling unit

GERMAN INNOVATION AWARD '20 WINNER

- **Comprehensive application**
- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- Push-buttons can be programmed for 1 or 2 button operation
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push with 2 objects
- **Slap function with additional switch channel**
- **Four RGBW status LEDs**
- **LED brighness controllable via day / night or brightness object**
- 4 logic blocks
- Installation in an installation box, dimensions (W x H): 92 mm x 92 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Glass Push-button II Lite 2-fold, RGBW, black** | NEUTRAL | BE-GTL20S.01 | A | 141,00 € |
| **Glass Push-button II Lite 2-fold, RGBW, black** | NEUTRAL with temperature sensor | BE-GTL2TS.01 | A | 161,00 € |
| **Glass Push-button II Lite 2-fold, RGBW, black** | Version UP / DOWN symbol | BE-GTL20S.A1 | A | 145,00 € |
| **Glass Push-button II Lite 2-fold, RGBW, black** | Version I / O symbol with temperature sensor | BE-GTL2TS.B1 | A | 165,00 € |
| **Glass Push-button II Lite 2-fold, RGBW, black** | Version UP / DOWN and I / O symbol with temperature sensor | BE-GTL2TS.C1 | A | 165,00 € |
| **Glass Push-button II Lite 2-fold, RGBW, black** | Version I / O and UP / DOWN symbol with temperature sensor | BE-GTL2TS.D1 | A | 165,00 € |

## Glass Push-button II Lite 4-fold

**Version with 4 sensor surfaces**
Integrated bus coupling unit



GERMAN INNO VATION AWARD'20 WINNER

- **Comprehensive application**
- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push with 2 objects
- **Slap function with additional switch channel**
- **Four RGBW status LEDs**
- **LED brighness controllable via day / night or brightness object**
- 4 logic blocks
- Installation in an installation box
- Dimensions (W x H): 92 mm x 92 mm

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Glass Push-button II Lite 4-fold, RGBW, white** | | | |
| NEUTRAL | BE-GTL40W.01 | A | **141,00 €** |
| **Glass Push-button II Lite 4-fold, RGBW, white** | | | |
| NEUTRAL with temperature sensor | BE-GTL4TW.01 | A | **161,00 €** |

## Glass Push-button II Lite 4-fold

**Version with 4 sensor surfaces**
Integrated bus coupling unit



GERMAN INNO VATION AWARD'20 WINNER

- **Comprehensive application**
- **New multi-touch function, sends up to 4 values / DPTs on the same or different objects**
- **Innovative group control with long / extra long button press**
- 1 and 2 button operation for switching, dimming, shutters, values
- Changing of values / scenes with up to 4 values
- Short / long button push with 2 objects
- **Slap function with additional switch channel**
- **Four RGBW status LEDs**
- **LED brighness controllable via day / night or brightness object**
- 4 logic blocks
- Installation in an installation box
- Dimensions (W x H): 92 mm x 92 mm

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Glass Push-button II Lite 4-fold, RGBW, black** | | | |
| NEUTRAL | BE-GTL40S.01 | A | **141,00 €** |
| **Glass Push-button II Lite 4-fold, RGBW, black** | | | |
| NEUTRAL with temperature sensor | BE-GTL4TS.01 | A | **161,00 €** |

# Assortment Glass

## Glass Push Button II Smart

With 6 sensor surfaces, coloured display and RGB status indicator

Usable as 4/6/8/12-fold push button

Integrated bus coupling unit

### New functions Series .02
- **Innovative group control with long/extra long operation / Keystroke**
- **New mapping function for convenient function allocation**
- **Extended info display with up to 3 lines and up to 6 measured values**
- **Modern Icons (Icon upload)**
- **Slap function with new range of functions**

### General functions
- The buttons can be programmed for 1 or 2 button operation
- Up to 12 functions on 2 or 3 levels (2x6 or 3x4 functions)
- Up to 6 functions without level switching
- Large, active colour display to indicate function and status
- Adjustable background colour of the display (white or black)
- New Standard symbols
- Symbols and plain text adjustable for each button / function
- Indication of individual messages / text telegrams (1 Bit / 14 Byte)
- 1 or 2 button operation for switching, dimming, shutters, values
- Short / long button push with 2 objects
- RGB status of all buttons separately controllable from each level
- Automatic display brightness via light sensor and day / night object
- Recommended installation height: 1.50-1.60 m (as Push Button)
- Installation in an installation box
- Dimensions (W x H): 92 mm x 92 mm
- No additional power supply required

### Glass Push Button II Smart with temperature sensor
- with temperature sensor to measure room temperature
- Additional functions to set temperature and operating mode
- Application as RTC in combination with AKH heating actuator

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Glass Push-button II Smart** | | | | **New Series** |
| | White | **BE-GT20W.02** | A | **228,00 €** |
| **Glass Push-button II Smart** | | | | **New Series** |
| | Black | **BE-GT20S.02** | A | **228,00 €** |
| **Glass Push-button II Smart with temperature sensor** | | | | **New Series** |
| | White | **BE-GT2TW.02** | A | **258,00 €** |
| **Glass Push-button II Smart with temperature sensor** | | | | **New Series** |
| | Black | **BE-GT2TS.02** | A | **258,00 €** |

Assortment Glass

# Assortment Glass

## Glass Central Operation Unit Smart

Version with 6 sensor surfaces,
**colour display** and RGB status display

Central control point with up to
**24 operating functions,** timer and
integrated room temperature controller

Integrated bus coupling unit

GERMAN
INNO
VATION
AWARD '20
WINNER

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Glass Central Operation Unit Smart with colour display** | | | | |
| | White | **BE-GBZW.01** | B | **294,00 €** |
| **Glass Central Operation Unit Smart with colour display** | | | | |
| | Black | **BE-GBZS.01** | B | **294,00 €** |

- **Large, active colour display (automatic brightness adjustment)**
- **Four direct operating functions (e.g. present, light, blinds)**
- **20 operating functions via menu / time switch** (e.g. dimmer /
  shutter / switching / send values / scenes / temperature set points)
- **Code lock** with 4-6 digits, to lock and unlock the device
  or alarm activation
- **Daily / weekly / astronomical time switch**
  (20 channels each with 6 switching times)
- **Holiday function with time period activation**
- **Automatic calculation of public holidays**
- **Comfortable room temperature controller with temp. sensor**
- **Ventilation control (manual or automatic)**
- **Visualisation of indoor / outdoor temperature, setpoint
  and time / date**
- **Visualisation of status information / messages** (1 Bit / 14 Byte)
- 6 status LEDs independently controllable
- 6 logic blocks each with 4 inputs
- No additional power supply required
- Installation in an installation box, dimensions (W x H): 92 mm x 92 mm
- Recommended installation height: 1.60 m

# Assortment Glass

## Glass Room Temperature Controller Smart

**Version with active colour display and 4 sensor surfaces**

Integrated bus coupling unit

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Glass Room Temperature Controller Smart with colour display** | | | |
| White | **SCN-RTRGW.02** | B | **197,00 €** |
| **Glass Room Temperature Controller Smart with colour display** | | | |
| Black | **SCN-RTRGS.02** | B | **197,00 €** |

- **Active colour display to indicate function and status**
- **Background colour w / b and display brightness adjustable**
- **Display of set and actual temperature**
- **For indoor temperature controlling Range -10 to +50 °C**
- **Selectable temperature controller (PI, two-position, PWM)**
- Operation as room temperature extension unit possible
- Simple setpoint adjustment via separate + / - buttons
- 1 Bit + / -, 1 Byte or 2 Byte absolute object for setpoint adjustment
- Setpoint values are stored on bus voltage failure
- Limit values min / max, frost protection alarm, min / max memory
- Operation mode can be set via Bit / Byte objects
- Ventilation control by hand or automatic operation
- 14 Byte object for plain text diagnostic
- Recommended installation height: 1.60 m
- Dimensions (W x H): 92 mm x 92 mm

## Glass LED Indicator

Version with **12 RGB LEDs**

Integrated bus coupling unit

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Glass LED Indicator** | | | |
| White | **SCN-GLED1W.01** | B | **170,00 €** |
| **Glass LED Indicator** | | | |
| Black | **SCN-GLED1S.01** | B | **170,00 €** |

- **12 independently switchable RGB LEDs**
- **Labelling foil to be inserted behind the glass front**
- **3 objects for each LED**
- **5 states for each LED possible (value=0, value=1, 2 priority objects, failure of an object)**
- 8 logic blocks with 8 inputs each (8 objects)
- 4 modules to compare telegrams
- Brightness in 2 steps adjustable
- **Day / night object**
- Deactivation / reduction of the brightness
- Presence / absence object
- **Drop out monitoring for objects with report function**
- Object with report function (e.g. absence or window opened)
- Dimensions (W x H): 92 mm x 92 mm

# Assortment Glass

## Glass Push-button Plus 4-fold

**Version with 4 sensor surfaces** and
LED for operation / status display

**All-round orientation light**

Integrated bus coupling unit

**BE-GTT4x.01**
Additionally with **temperature sensor** for
room temperature measurement

- Sensor areas can be programmed for 1 or 2 button operation
- NO or NC contact operation, operational time of push-button adjustable
- Forced setting function for each output
- Operation with short / long button push and 2 objects
- **White / red LED for each sensor area**
- **Brightness of LED adjustable in 5 steps via day / night object**
- Operation of blinds and shutters, 1 and 2 button operation
- **Labeling foil to be inserted behind the glass front**
- Installation in an installation box
- **Supplied with labelling foil**
- Dimensions (W x H): 92 mm x 92 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Glass Push-button Plus 4-fold** | | | | |
|  | White | BE-GT04W.01 | A | **156,00 €** |
| **Glass Push-button Plus 4-fold** | | | | |
|  | Black | BE-GT04S.01 | A | **156,00 €** |
| **Glass Push-button Plus 4-fold, with temperature sensor** | | | | |
|  | White with Temperature Sensor | BE-GTT4W.01 | A | **187,00 €** |
| **Glass Push-button Plus 4-fold, with temperature sensor** | | | | |
|  | Black with Temperature Sensor | BE-GTT4S.01 | A | **187,00 €** |

## Glass Push-button Plus 8-fold

**Version with 8 sensor surfaces** and
LED for operation / status display

**All-round orientation light**

Integrated bus coupling unit

**BE-GTT8x.01**
Additionally with **temperature sensor** for
room temperature measurement

- Sensor areas can be programmed for 1 or 2 button operation
- NO or NC contact operation, operational time of push-button adjustable
- Forced setting function for each output
- Operation with short / long button push and 2 objects
- **White / red LED for each sensor area**
- **Brightness of LED adjustable in 5 steps via day / night object**
- Operation of blinds and shutters, 1 and 2 button operation
- **Labeling foil to be inserted behind the glass front**
- Installation in an installation box
- **Supplied with labelling foil**
- Dimensions (W x H): 92 mm x 92 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Glass Push-button Plus 8-fold** | | | | |
|  | White | BE-GT08W.01 | A | **206,00 €** |
| **Glass Push-button Plus 8-fold** | | | | |
|  | Black | BE-GT08S.01 | A | **206,00 €** |
| **Glass Push-button Plus 8-fold, with temperature sensor** | | | | |
|  | White with Temperature Sensor | BE-GTT8W.01 | A | **237,00 €** |
| **Glass Push-button Plus 8-fold, with temperature sensor** | | | | |
|  | Black with Temperature Sensor | BE-GTT8S.01 | A | **237,00 €** |

# Assortment Glass

## Glass cover frame Assortment 55

**Versions**
1-fold / 2-fold / 3-fold
**Suitable for 55 mm switch ranges**

**White / Black**

- 1-fold version
  Dimensions (W x H): 92 mm x 92 mm

- 2-fold version
  Dimensions (W x H): 92 mm x 163 mm

- 3-fold version
  Dimensions (W x H): 92 mm x 234 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Glass cover frame, 1-fold, for 55 mm systems, white** | | | | |
| | 1-fold | BE-GTR1W.01 | A | **35,00 €** |
| **Glass cover frame, 2-fold, for 55 mm systems, white** | | | | |
| | 2-fold | BE-GTR2W.01 | A | **45,00 €** |
| **Glass cover frame, 3-fold, for 55 mm systems, white** | | | | |
| | 3-fold | BE-GTR3W.01 | A | **63,00 €** |
| **Glass cover frame, 1-fold, for 55 mm systems, black** | | | | |
| | 1-fold | BE-GTR1S.01 | A | **35,00 €** |
| **Glass cover frame, 2-fold, for 55 mm systems, black** | | | | |
| | 2-fold | BE-GTR2S.01 | A | **45,00 €** |
| **Glass cover frame, 3-fold, for 55 mm systems, black** | | | | |
| | 3-fold | BE-GTR3S.01 | A | **63,00 €** |

## Glass cover frame Assortment 63

**Versions**
1-fold / 2-fold / 3-fold
**Suitable for 63 mm switch ranges**

**White / Black**

- 1-fold version
  Dimensions (W x H): 92 mm x 92 mm

- 2-fold version
  Dimensions (W x H): 92 mm x 163 mm

- 3-fold version
  Dimensions (W x H): 92 mm x 234 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Glass cover frame, 1-fold, for 63 mm systems, white** | | | | **NEW** |
| | 1-fold | BE-GTR163W.01 | A | **35,00 €** |
| **Glass cover frame, 2-fold, for 63 mm systems, white** | | | | **NEW** |
| | 2-fold | BE-GTR263W.01 | A | **45,00 €** |
| **Glass cover frame, 3-fold, for 63 mm systems, white** | | | | **NEW** |
| | 3-fold | BE-GTR363W.01 | A | **63,00 €** |
| **Glass cover frame, 1-fold, for 63 mm systems, black** | | | | **NEW** |
| | 1-fold | BE-GTR163S.01 | A | **35,00 €** |
| **Glass cover frame, 2-fold, for 63 mm systems, black** | | | | **NEW** |
| | 2-fold | BE-GTR263S.01 | A | **45,00 €** |
| **Glass cover frame, 3-fold, for 63 mm systems, black** | | | | **NEW** |
| | 3-fold | BE-GTR363S.01 | A | **63,00 €** |

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# Presence and Motion Detectors

## Motion Detector / Automatic Switch 55

**Motion detector with 2 sensors**
Mounting in switch box
Integrated bus coupling unit
**Suitable for 55 mm switch ranges,
overview page 43**

- **Motion detector with light sensor and 2 sensors**
- Motion detection angle H 180° / V 15°, coverage 6-10 m Ø
- **Suitable for pets up to 12 kg**
- **Sensitivity separately adjustable for day / night / presence**
- **Detection of movement direction**
- 2 light channels, 1 channel for HVAC and alarm
- Short-time presence to reduce stopping time
- Master / slave function, scenes and logic functions
- **Integrated white LED night light**
- Day / night function, orientation light function
- Block and forced setting functions with release time
- External push-button input for automatic and manual operation
- Recommended installation height: 1.05 - 1.20 m

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Motion Detector / Automatic Switch 55, white** | | | | |
| | Matt finish | **SCN-BWM55.02** | A | **146,00 €** |
| **Motion Detector / Automatic Switch 55, white** | | | | |
| | Glossy finish | **SCN-BWM55.G2** | A | **146,00 €** |

## Motion Detector / Automatic Switch TS 55

Motion detector with 2 sensors
**Version with temperature sensor and
2 sensor buttons**
Mounting in switch box
Integrated bus coupling unit
**Suitable for 55 mm switch ranges,
overview page 43**

- **Motion detector with light sensor and 2 sensors**
- **Two sensor keys for any function**
- **Temperature sensor for capturing the room temperature**
- Motion detection angle H 180° / V 15°, coverage 6-10 m Ø
- **Suitable for pets up to 12kg**
- **Sensitivity separately adjustable for day / night / presence**
- **Detection of movement direction**
- 2 light channels, 1 channel for HVAC and alarm
- Short-time presence to reduce stopping time
- Master / slave function, scenes and logic functions
- **Integrated white LED night light**
- Day / night function, orientation light function
- Block and forced setting functions with release time
- External push-button input for automatic and manual operation
- Recommended installation height: 1.05 - 1.20 m

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Motion Detector / Automatic Switch TS 55, white** | | | | |
| | Matt finish | **SCN-BWM55T.02** | A | **165,00 €** |
| **Motion Detector / Automatic Switch TS 55, white** | | | | |
| | Glossy finish | **SCN-BWM55T.G2** | A | **165,00 €** |

## Motion Detector / Automatic Switch 63

**Motion detector with 2 sensors**

Mounting in switch box

Integrated bus coupling unit

**Suitable for 63 mm switch ranges, overview page 43**

- **Motion detector with light sensor and 2 sensors**
- Motion detection angle H 180° / V 15°, coverage 6-10 m Ø
- **Suitable for pets up to 12 kg**
- **Sensitivity separately adjustable for day / night / presence**
- **Detection of movement direction**
- 2 light channels, 1 channel for HVAC and alarm
- Short time presence to reduce stopping time
- Master / slave function, scenes and logic functions
- **Integrated white LED night light**
- Day / night function, orientation light function
- Block and forced setting functions with release time
- External push-button input for automatic and manual operation
- Recommended installation height: 1.05 - 1.20 m

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Motion Detector / Automatic Switch 63, studio white glossy finish** | | | |
| Studio white Glossy finish | **SCN-BWM63.02** | A | **146,00 €** |

## Motion Detector / Automatic Switch TS 63

Motion detector with 2 sensors

**Version with temperature sensor and 2 sensor buttons**

Mounting in switch box

Integrated bus coupling unit

**Suitable for 63 mm switch ranges, overview page 43**

- **Motion detector with light sensor and 2 sensors**
- **Two sensor keys for any function**
- **Temperature sensor for capturing the room temperature**
- Motion detection angle H 180° / V 15°, coverage 6-10 m Ø
- **Suitable for pets up to 12 kg**
- **Sensitivity separately adjustable for day / night / presence**
- **Detection of movement direction**
- 2 light channels, 1 channel for HVAC and alarm
- Short time presence to reduce stopping time
- Master / slave function, scenes and logical functions
- **Integrated white LED night light**
- Day / night function, orientation light function
- Block and forced setting functions with release time
- External push-button input for automatic and manual operation
- Recommended installation height: 1.05 - 1.20 m

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Motion Detector / Automatic Switch TS 63, studio white glossy finish** | | | |
| Studio white Glossy finish | **SCN-BWM63T.02** | A | **165,00 €** |

# Presence and Motion Detectors

## Mini Presence Detector 360°

Mini Presence detector with 1 sensor

For ceiling installation in 35 mm Kaiser installation box

- Presence detector with light sensor
- 1 sensor with high resolution lens
- **Coverage presence 3-4 m Ø**
- Switching function depending on brightness and movement
- Brighness value can be read out
- Master / slave function adjustable
- Scene functions
- Day / night function, monitoring with messages
- HVAC control channel (adjustable over a certain period)
- Block and forced setting functions
- Orientation light function for leaving the room
- 35 mm installation box included in delivery (installation depth 4 mm)
- Dimensions (W x H x D): 43 mm x 43 mm x 30 mm
- Integrated bus coupling unit

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Mini Presence Detector 360°, flush mounted, White Matt finish** | | | |
| White Matt finish | SCN-P360D1.01 | A | **132,00 €** |

## Presence detector 360° L2 IP44

IP44 Presence detector with 2 sensors

Version for installation in hollow ceilings

- 2 sensors with lens for presence detection
- Adjustable trigger and presence sensitivity for day, night and alarm
- **Range 9 m Ø, presence 5 m Ø**
- 2 light channels, individual evaluation of sensors
- 1 HVAC and 1 alarm / notification channel.
- Energy saving through efficient control according to demand
- **Short time presence to reduce the time lapse**
- Input for an external push-button with release time
- **Intelligent switchover function for automatic / manual operation**
- Blocking- and forced function with release time
- Extensive day / night function with 2nd switching object
- **Integrated white LED night light**
- Orientation light function for leaving the room
- Avoidance of false reports of the alarm channel by sensitivity reduction and observation window adjustability
- **IP44, suitable for installation in wet rooms for example bathrooms**
- Flush installation, drill hole diameter 32 mm
- Installation depth: 42 mm
- Integrated bus coupler

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Presence detector 360° L2 IP44, White matt finish** | | | **Q3/23** |
| White matt finish | SCN-P360L2.03 | A | **145,00 €** |

# Presence and Motion Detectors

## Presence detector 360° L3 TS

Presence detector with 3 sensors
and temperature sensor

Version for installation in hollow ceilings

- 3 sensors with lens for presence detection
- **Adjustable trigger- and Presence sensitivity for day, night and Alarm**
- **Range 11 m Ø, presence 5 m Ø**
- **3 light channels, individual evaluation of sensors**
- 1 HVAC and 1 alarm / notification channel.
- **Short time presence to reduce the time lapse**
- **Integrated Temperature sensor**
- Input for an external push-button with release time
- **Intelligent switchover function for automatic / manual operation**
- Blocking- and forced function with release time
- Extensive day / night function with 2nd switching object
- **Integrated white LED night light**
- Orientation light function for leaving the room
- **Avoidance of false reports of the alarm channel by sensitivity reduction and observation window adjustability**
- Flush installation, drill hole diameter 44 mm, Installation depth: 44 mm

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Presence detector 360° L3 TS, White matt finish** | | | **Q3/23** |
| White matt finish | SCN-P360L3.03 | A | 150,00 € |

## Presence Detector MR16 360°

Presence detector with 3 sensors

With **temperature sensor** and LED night light.

Installation in MR16 mounting frame for LED spots.

- **New comprehensive application**
- 3 sensors with lens for presence detection
- **Adjustable presence and presence sensitivity for day, night and alarm**
- **Coverage 11 m Ø, presence 5 m Ø**
- **3 light channels, sensors can be individually evaluated**
- 1 HVAC and 1 alarm / notification channel
- **Short time presence to reduce the after-running time**
- **Integrated temperature sensor**
- Input for an external push-button with reset time
- **Intelligent switching function for automatic / manual operation**
- Blocking and forced function with release time
- Extensive day / night function with 2nd switching object
- **Integrated white LED night light**
- Orientation light function for leaving the room
- **Avoidance of false reports for the alarm channel by reducing the sensitivity and adjustable observation window**
- Also usable for swiveling MR16 mounting frame

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Presence Detector MR16 360° with 3 sensors** | | | |
| White Matt finish | SCN-P360E3.03 | A | 150,00 € |

Example:

Inserted into a MR16 frame

(provided by customer)

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# Presence and Motion Detectors

## Presence Detector with 3 sensors

Version for ceiling mounting in an installation box
SCN-P360K3.03
Version with 3 sensors and intelligent
**constant light control f**or up to 3 light strips

- **Upgraded application**
- 3 sensors with lens for presence detection
- **Adjustable presence and presence sensitivity for day, night and alarm**
- **Coverage 11 m Ø, presence 5 m Ø**
- 3 light channels, sensors can be individually evaluated
- 1 HVAC and 1 alarm / notification channel
- **Short time presence to reduce the after-running time**
- **Intelligent switching function for automatic / manual operation**
- Locking and forced function with release time
- Extensive day / night function with 2nd switching object
- **Integrated white LED night light**
- Orientation light function for leaving the room
- **Avoidance of false reports for the alarm channel by reducing the sensitivity and adjustable observation window**

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Presence Detector 360° with 3 sensors white matt finish** | | | | |
| | 3 Sensors | **SCN-P360D3.03** | A | **142,00 €** |
| **Presence detector 360° with constant light control, 3 sensors** | | | | |
| | 3 Sensors, constant level light intensity | **SCN-P360K3.03** | A | **162,00 €** |
| **Mounting frame Slimline for SCN-P360x3.03 for surface mounting** | | | | |
| | Mounting frame Slimline | **SCN-P360R3.01** | A | **11,00 €** |

## Presence Detector with 4 sensors

Version for ceiling mounting in an installation box
SCN-P360K4.03
Version with 4 sensors and intelligent
**constant light control** for up to 3 light strips

- **Upgraded application**
- 4 sensors with lens for presence detection
- **Adjustable presence and presence sensitivity for day, night and alarm**
- **Coverage 16 m Ø, presence 8 m Ø**
- 4 light channels, sensors can be individually evaluated
- 1 HVAC and 1 alarm / notification channel
- **Short time presence to reduce the after-running time**
- **Intelligent switching function for automatic / manual operation**
- Locking and forced function with release time
- Extensive day / night function with 2nd switching object
- **Integrated white LED night light**
- Orientation light function for leaving the room
- **Avoiding of false reports for the alarm channel by reducing the sensitivity and adjustable observation window**

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Presence Detector 360° with 4 sensors white matt finish** | | | | |
| | 4 Sensors | **SCN-P360D4.03** | A | **163,00 €** |
| **Presence detector 360° with constant light control, 4 sensors** | | | | |
| | 4 Sensors, constant level light intensity | **SCN-P360K4.03** | A | **183,00 €** |
| **Mounting frame Slimline for SCN-P360x4.03 for surface mounting** | | | | |
| | Mounting frame Slimline | **SCN-P360R4.01** | A | **11,00 €** |

## Glass Presence Detector

Version for ceiling mounting in an installation box

**With temperature sensor**

SCN-G360K3.03
Version with 3 sensors and intelligent
**constant light control** for up to 3 light strips

- **Upgraded application**
- White glass front, **integrated temperature sensor**
- 3 sensors with lens for presence detection
- **Adjustable presence and presence sensitivity for day, night and alarm**
- **Coverage 11 m Ø, presence 5 m Ø**
- 3 light channels, sensors can be individually evaluated
- 1 HVAC and 1 alarm / notification channel
- **Short time presence to reduce the after-running time**
- **Intelligent switching function for automatic / manual operation**
- Locking and forced function with release time
- Extensive day / night function with 2nd switching object
- **Integrated white LED night light**
- Orientation light function for leaving the room
- **Avoidance of false reports for the alarm channel by reducing the sensitivity and adjustable observation window**

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Glass Presence Detector 360° with 3 sensors, white** | | | |
| With temperature sensor | SCN-G360D3.03 | A | **174,00 €** |
| **Glass Presence Detector 360° with constant light control, 3 sensors, white** | | | |
| With temperature sensor, constant level light intensity | SCN-G360K3.03 | A | **194,00 €** |

## Brightness Sensor / Controller

Brightness Sensor with constant level light intensity

Ceiling installation in 35mm Kaiser installation box

- Brightness Sensor with constant level light intensity to control up to 3 light rows
- Brightness value can be read out
- Orientation light (brightness and time adjustable)
- Day / night mode with separate settings
- 35 mm Kaiser installation box included (installation depth 45 mm)
- Dimensions (W x H x D): 43 mm x 43 mm x 30 mm
- Integrated bus coupling unit

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Brightness Sensor/Controller with constant light control, flush mounted** | | | |
| Ceiling installation | SCN-LSD01.01 | A | **140,00 €** |

# System devices

In addition to actuators and sensors, each KNX system includes devices which manage functions for the complete system the so called system components in our portfolio are represented with a series of products. They include, for example, the bus power supply, which supplies all devices on a line with energy, or the timer switch, which allows for time-dependent control of a wide range of devices such as your shutters. The new MDT Timer Switch has an integrated automatic bank holiday calculation to ensure that on public holidays your shutters are not opened at the time you usually get up.

Hacker attacks on smart buildings are increasing, and our range therefore includes products that protect your KNX system. The MDT Line Coupler and the MDT Safety Module protect your KNX system against unauthorised access. For example, the Line Coupler can connect the line for the outdoor area with the line for indoors, can block attempted control commands from outdoors. The MDT Safety Module prevents all connection-related access from the ETS, such as the programming and the unloading of the bus devices, in the KNX line. It is possible to deactivate the safety technology using the control buttons on the LED display and/or with the safety password via telegram.

## Highlights of the MDT system devices

### KNX Power Supplies for projects of any size

Independent of the project size, we have the matching power supply for your project. Choose a suitable power supply with the diagnostic function in the range from 640 mA to 1280 mA or without diagnostic function from 160 mA to 640 mA. If a higher level of reliability is required the range includes a redudant power supply 640 mA with diagnostic function.

### KNX Timer Switch for easy programming of various functions

The switching times of the KNX Timer Switch can be easily programmed via the ETS. The automatic bank holiday calculation also saves you a bit of programming time. In total it is possible to set up 20 channels, for example with the MDT shutter function.

### KNX Logic Module for a unique range of functions

Our MDT Logic Module allows you to choose from 17 different functions, which you can use for the 24 integrated, independent function blocks. This makes your project even smarter.

### KNX safety for your projects

With the MDT Safety Module, you increase the protection of the KNX installation. A manipulation of the programmed products over the outside line is no longer possible. The MDT Router and the MDT IP Interface are equipped with KNX Data Secure to prevent unauthorised access from an external source.

SCN-RTC20.02

# Bus Power Supplies

## Bus power supply STV

Bus power supply units STV in the versions 160 mA / 320 mA / 640 mA

- KNX power supply with integrated choke
- Mains voltage 230 V AC
- **Short-circuit-proof**
- **Overload safe**
- Temperature control with shutdown on over temperature
- LED indicator for bus reset, normal operation and bus overload

STV-0160.02 / Bus power supply 160 mA
Nominal current 160 mA, continuous current 240 mA, peak 320 mA

STV-0320.02 / Bus power supply 320 mA
Nominal current 320 mA, continuous current 480 mA, peak 640 mA

STV-0640.02 / Bus power supply 640 mA
Nominal current 640 mA, continuous current 960 mA, peak 1200 mA
With additional choke free output

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Bus power supply, 2SU MDRC, 160 mA** | | | | |
| | 160 mA | STV-0160.02 | A | **154,00 €** |
| **Bus power supply, 2SU MDRC, 320 mA** | | | | |
| | 320 mA | STV-0320.02 | A | **198,00 €** |
| **Bus power supply, 4SU MDRC, 640 mA** | | | | |
| | 640 mA | STV-0640.02 | A | **268,00 €** |

## Power supply STV, 750 mA

Power supply 24 V DC with a nominal current of 750 mA

- SELV Power supply 24 V DC for **general** purpose
- Power supply for 24 V binary inputs, window contacts, etc.
- Suited for VisuControl Touchpanel
- Mains voltage 230 VAC
- Short-circuit-proof

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Power supply, 4SU MDRC, 24 VDC SELV, 750 mA** | | | | |
| | 750 mA | STV-0024.01 | C | **78,00 €** |

# Bus Power Supplies

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|

## Bus power supply STC with diagnostic function

Bus power supply units STC with diagnostic function in the versions 640 mA / 960 mA / 1280 mA

**Bus power supply with diagnostic function, 4SU MDRC, 640 mA**

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| 640 mA | STC-0640.01 | A | **339,00 €** |

**Bus power supply with diagnostic function, 6SU MDRC, 960 mA**

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| 960 mA | STC-0960.01 | A | **389,00 €** |

**Bus power supply with diagnostic function, 6SU MDRC, 1280 mA**

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| 1280 mA | STC-1280.01 | A | **439,00 €** |

- KNX power supply with integrated choke
- Mains voltage 230 V AC
- **Short-circuit-proof, Overload safe**
- With additionally choke free output
- **Integrated bus coupling unit with diagnostic function:**
  - Bus voltage, bus current, bus overload
  - Mains voltage failure/return
  - All events are stored with time stamp in a ring buffer
  - Read out of the ring buffer by 14 Byte telegram
  - Safety functions to detect a failed device in the KNX line

STC-0640.01 / Bus power supply 640 mA with diagnostic function
Nominal current 640 mA, continuous current 960 mA, peak 1200 mA

STC-0960.01 / Bus power supply 960 mA with diagnostic function
Nominal current 960 mA, continuous current 1280 mA, peak 1600 mA

STC-01280.01 / Bus power supply 1280 mA with diagnostic function
Nominal current 1280 mA, continuous current 1600 mA, peak 1900 mA

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|

## Redundant Bus Power Supply STR

Redundant Bus Power Supply STR with diagnostic function

Nominal current 640 mA,
Continuous current 960 mA,
Peak 1200 mA

**Redundant Bus Power Supply with diagnostic function to increase operation reliability, 6SU MDRC, 640 mA**

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| 640 mA | STR-0640.01 | A | **414,00 €** |

- KNX power supply with integrated choke
- **Two integrated power supplies for redundancy**
- Mains voltage 230 V AC (separate RCD circuits possible)
- **If one mains voltage or one of the internal power supplies fails, the KNX bus voltage maintains its stability by the second power supply**
- Failure message by a telegram
- **Short-circuit-proof**
- **Overload safe**
- With additionally choke free output
- **Integrated bus coupling unit with diagnostic function:**
  - Bus voltage, bus current, bus overload
  - Mains voltage failure / return
  - All events are stored with time stamp in a ring buffer
  - Read out of the ring buffer by 14 Byte telegram
  - Safety functions to detect a failed device in the KNX line

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# System Devices

## Line Coupler

MDRC device



- Line Coupler to connect two KNX Bus segments
- **Supports KNX Data Secure (as of ETS 5.7.2)**
- **Supports extended group addresses**
- **Segment Coupler functionality (available as of June 2023, Revision 6)**
- Fail-safe due to galvanic isolation of the lines
- Separate bus power supply for each line required
- Filter functions to reduce bus load
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Line Coupler with Data Secure, 2SU MDRC** | | | | |
| | 2SU MDRC | **SCN-LK001.03** | B | **249,00 €** |

## IP Interface

**With email and time server functions**



- To enable bidirectional communication between PC and the KNX bus via TCP / IP
- 4 simultaneous connections possible
- Programming the KNX bus via TCP / IP
- **Power supply by KNX bus, no external bus power supply required**
- **Encrypted transmission for sending emails**
- **Time server functions to send time and date on the KNX bus**
- **Firmware can be updated**
- **Supports extended group addresses**
- **KNX IP Secure and KNX Data Secure (from ETS 5.72)**
- **Secure access to the KNX bus through IP Secure with security key**
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **IP Interface with IP Secure and Data Secure, 2SU MDRC** | | | | |
| | 2SU MDRC | **SCN-IP000.03** | B | **214,00 €** |

## IP Router

**With email and time server functions**

- To enable bidirectional communication between PC and the KNX bus via TCP / IP
- **KNX IP Secure and KNX Data Secure (ab ETS 5.72)**
- Secure access to the KNX bus through IP Secure with security key
- **Line Coupler Funktionality**
- **Supports extended group addresses**
- **KNX Bus programming via TCP / IP**
- 4 simultaneous connections possible
- **Segment Coupler functionality ready (Revision R4.0)**
- **Power supply via KNX bus, no external bus power supply required**
- Encrypted email transmission
- **Time server** function to send Date and time to the KNX bus
- **Update function for firmware**
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **IP Router Line coupler with IP Secure and Data Secure, 2SU MDRC** | | | | |
| | 2SU MDRC | **SCN-IP100.03** | B | **345,00 €** |

## USB Interface

MDRC device

- To enable bidirectional communication between PC and KNX bus via USB
- Fully compatible with ETS 4/5/6
- **Supports PC sleep mode**
- **Firmware can be updated**
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **USB Interface, 2SU MDRC** | | | | |
| | 2SU MDRC | **SCN-USBR.02** | B | **173,00 €** |

**System Devices**

# System Devices

## Logic Module

MDRC device, with 4 free to use LED indicators
**24 independent function blocks**



- **24 independent function blocks assignable:**
- Universal logic with up to 5 conditions
- Logic gates with (AND,OR / XOR), each with 8 inputs
- Cyclical sending or querying of values
- Sending or polling of values after bus voltage return
- Value storage if the bus voltage fails
- Monitoring of telegrams
- Filter functions
- Multiplexer / partition control
- Converting of data point types
- Comparison of temperature / values
- Time functions
- Follow-up control with ventilation
- Min / Max / Average value
- Universal calculator
- Conversion to PWM
- Telegram multiplier / sequencer
- 4 LEDS for internal and external objects

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Logic Module, 2SU MDRC** | | | | |
| | 2SU MDRC | **SCN-LOG1.02** | B | **164,00 €** |

## Safety Module

MDRC device



- **Increases the safety of the protected line in the inner and in the outdoor area and protects against manipulations**
- Easy retrofitting in existing KNX installations
- **Blocks the connection and prevents the programming and discharging of KNX devices within the line**
- Safety function is started automatically after bus voltage recovery and / or programming of the Safety Module
- Safety function can be temporarily disabled by pressing the button on the device or 14 Byte telegram
- Safety function for detecting a failed device in the line
- Active or passive monitoring of up to 100 KNX devices
- Alarm is stored as plain text message in the internal ring memory
- Quick application download (long frame support from ETS 5)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Safety Module, 2SU MDRC** | | | | |
| | 2SU MDRC | **SCN-SAFE.01** | B | **162,00 €** |

# System Devices

## KNX Modbus Gateway RTU485

Designed for bidirectional Data exchange between Modbus RTU- and KNX-products

- **Master- / Slave-Mode for all channels separately selectable**
- **Comprehensive binary- and arithmetical mathematical functions configurable for each channel**
- **Easy scaling settings**
- **Value range conversion adjustable for each channel**
- Multi Read / Write Functionality on the Modbus-side
- Slave ID for each channel separately configurable
- 20 Value comparison blocks each with 4 comparable values and operations
- **Universal applicable, supports multiple Modbus- and KNX-Data types**
- **No additional Modbus Power supply required Power is provided over the KNX connection**
- Modbus / KNX galvanically separated
- Developed and Produced in Engelskirchen

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **KNX Modbus Gateway RTU485, 2TE REG** | | | | **Q3 / 23** |
| | 2TE REG | **SCN-MBGRTU.01** | B | **318,00 €** |

## Time Switch

**Time Switch with day / week / astro switching function**
MDRC device

- Time switch with 20 channels (8 switch times for each channel)
- Switching times adjustable via ETS and on the device
- Day / week / astro switching function, power reserve
- **Automatic holiday calculation**
- Output objects for date / time (master)
- Date / time adjustable via bus (slave)
- Special channel for day / night function
- **Control of height and slat for blind function per channel**
- **Output objects for azimuth and elevation angle**
- **Protection against unauthorized access by code lock function**
- **Switching time repetition adjustable per channel**
- Cyclic transmission in normal mode
- Threshold comparator from 1-4 Bytes
- 8 logic blocks with 4 inputs each

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Time Switch 20-channel with active colour display, 4SU MDRC** | | | | |
| | 4SU MDRC | **SCN-RTC20.02** | B | **206,00 €** |

# System Devices

## WAGO Bus Connector

Black / red, for solid conductors with a
conductor diameter of 0.6 - 0.8 mm

- For connecting KNX bus devices to the KNX bus line.
- For connecting up to 4 KNX bus lines.
- No interruption of the KNX bus connection when replacing devices.
- **Conductor diameter 0.6 - 0.8 mm (solid conductors)**
- Stripping length 5 - 6 mm
- Bus terminal 2-pole with 4 plug-in connections each

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **WAGO Bus Connector** | | | | |
| | Black / red | **ZBUSKLE** | C | **22,00 €** |

# Weather Sensors

## Weather Station Home

For outdoor installation on wall or pole

- 3 channels for sun protection to control blind / shutter
- Sun protection for up to 3 facades
- Offers comprehensive functions to control facades (2 switching thresholds, teach-in function)
- Central shutter control for up / down via brightness value (with time delay)
- Brightness value for east, south, west, twilight
- Generates a day / night object
- Wind speed value, alarm if wind speed exceeds limit
- Temperature value
- Suitable for controlling facades at home
- Installation on wall or pole
- 5 m connection cable
- No additional power supply required
- Integrated bus coupling unit

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Weather Station Home** | | | |
| | **SCN-WS3HW.01** | B | **387,00 €** |

## Rain Sensor

For outdoor installation, including fastening angle
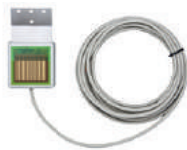
- Automatic heating to keep the sensor area dry
- Heating operation by choke free output STV-640 / STC series or external 24 V DC power supply
- **Current consumption of heating is less than 100 mA**
- 5 m bus connection terminal
- Stainless fastening bracket included in delivery
- Dimensions (W x H x D): 67 mm x 67 mm x 29 mm
- Integrated bus coupling unit

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Rain Sensor** | | | |
| | **SCN-RS1R.01** | B | **160,00 €** |

## Twilight sensor / Temperature sensor KNX

Outdoor sensor to measure and evaluate the outside brightness and outside temperature

With integrated Bus coupler unit

- Light sensor to register twilight and brightness
- Temperature sensor to measure the outside temperature
- Two threshold values can be set for each measured value
- Adjustable switch on- / off time delay per threshold value
- Day- / night function object. Twilight value range 0 - 1000 Lux
- Temperature range -20 °C bis + 55 °C
- Protection classification: IP 44
- Dimensions: 50 mm x 77 mm  x 21 mm (W x H x D)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Twilight sensor / Temperature sensor KNX** | | | **NEW** |
| | SCN-DTSEN1.01 | B | **145,00 €** |

## Leakage sensor KNX

Leakage sensor for detecting water leakage

With integrated Bus coupler unit

- Floor sensor for detecting water leakage and seepage
- Reliable detection of conductive liquids by means of electrolytic AC voltage measurement
- Alarm channel for control / signalling
- Optical alarm
- Adjustable switch on- / off time delay
- Optional reset via object or automatically
- Length of connection cable: 1.4 m
- Protection classification: IP 66
- Dimensions: Ø 70 mm x 24 mm

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Leakage sensor KNX** | | | **NEW** |
| | SCN-LSEN1.01 | B | **139,00 €** |

System Devices

## Room Temperature Controller

MDRC device

- Selectable temperature controller (PI, two-position, PWM)
- **Temperature measurement by separate KNX temperature sensors**
- **Temperature range 7-35 °C**
- Limit values min / max (1-40 °C)
- Frost / heat protection alarm (1-40 °C)
- Min / max memory
- Cyclical sending adjustable
- Day / night / frost / heat protection operation, cooling function
- Status feedback by HVAC and RHCC status objects
- Operation mode can be set via Bit / Byte objects
- Setpoint value via visualization, e.g. MDT VisuControl

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Room Temperature Controller 8-fold, 2SU MDRC** | | | |
| 8-fold | SCN-RT8REG.02 | B | 205,00 € |

## Temperature Controller / Sensor flush mounted

For installation in the switch box

- To measure the indoor / outdoor temperature
- Temperature measurement by separate PT 1000 sensors
- Selectable temperature controller (PI, two-position, PWM)
- Limit values min / max, Frost / heat protection alarm, Min / max memory
- Cyclical sending adjustable
- Day / night / frost / heat protection operation, cooling function
- Status feedback by HVAC and RHCC status objects
- Operation mode can be set via Bit / Byte objects
- Setpoint value via visualization, e.g. MDT VisuControl
- For installation in the switch box.
- Dimensions (W x H x D): 41 mm x 41 mm x 12 mm

  Accessories:
  Temperature sensor PT1000 standard 1 m SCN-PTST1.01,
  Temperature sensor PT1000 standard 3 m SCN-PTST3.01,
  PT1000 temperature sensor for surface mounting SCN-PTAN3.01
  PT1000 temperature sensor for ceiling installation SCN-PTDE.01

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Temperature Controller / Sensor 2-fold, flush mounted** | | | |
| 2-fold | SCN-RT2UP.01 | B | 123,00 € |
| **Temperature Controller / Sensor 4-fold, flush mounted** | | | |
| 4-fold | SCN-RT4UP.01 | B | 145,00 € |

# Temperature Controller

## Temperature Controller / Sensor surface mounted

Surface mounted device for PT 1000 sensors
up to 12 m cable length
Temperature range -20 to +100 °C

- 6-fold temperature sensor for HVAC, integrated controller
- Selectable temperature controller (PI, two-position, PWM)
- Temperature measurement by separate PT 1000 sensors
- Limit values min / max, frost / heat protection alarm, min / max memory
- Cyclical sending of contact state adjustable
- Day / night / frost / heat protection operation, cooling function
- Status feedback by HVAC and RHCC status objects
- Operation mode can be set via Bit / Byte objects
- Setpoint value via visualization, e.g. MDT VisuControl
- Surface mounted wiring box
- Integrated bus coupling unit

Accessories:
Temperature sensor PT1000 standard 1 m SCN-PTST1.01,
Temperature sensor PT1000 standard 3 m SCN-PTST3.01,
PT1000 temperature sensor for surface mounting SCN-PTAN3.01
PT1000 temperature sensor for ceiling installation SCN-PTDE.01

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Temperature Controller/Sensor 6-fold, surface mounted** | | | |
| 6-fold | **SCN-RT6AP.01** | B | **225,00 €** |

## Temperature Sensor

Temperature sensor for
different mounting types

- Temperature Sensor PT 1000 standard, 1 m cable length
  Dimensions: 4 mm x 30 mm
- Temperature Sensor PT 1000 Standard, 3 m cable length
  Dimensions: 6 mm x 50 mm
- Temperature Sensor PT 1000 strap on installation, 3 m cable length
  Dimensions: 15 mm x 22 mm
- Temperature Sensor PT 1000 ceiling installation
  Cut out diameter: 23 mm, depth: 28 mm

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Temperature Sensor PT 1000 Standard, cable lenght 1 m** | | | |
| cable lenght 1 m | **SCN-PTST1.01** | B | **17,00 €** |
| **Temperature Sensor PT 1000 Standard, cable lenght 3 m** | | | |
| cable lenght 3 m | **SCN-PTST3.01** | B | **22,00 €** |
| **Temperature Sensor PT 1000 strap on installation, cable lenght 3 m** | | | |
| cable lenght 3 m | **SCN-PTAN3.01** | B | **36,00 €** |
| **Temperature Sensor PT 1000 ceiling installation** | | | |
| ceiling installation | **SCN-PTDE0.01** | B | **47,00 €** |

# Visualisations

As a manufacturer, our range includes various products that you can use to control your smart home. In addition to control via push buttons or a central operation unit, you can also control the components in your smart home via a visualisation. In this case all data and control options are clearly displayed on an interface. The output medium can either be the MDT VisuControl Glass Touch Panel recessed into the wall, an iOS or an android device, if the MDT Object server VisuControl EASY II is used.

In addition to basic functions such as switching, dimming and shutters / roller shutters, you also have a wide range of scenes and diagram functions available.

Our customers can incorporate individual graphics and images in order to design the individual screen pages. Comprehensive day / week / month/ year switching functions and astro switching functions can be achieved with the integrated timer switch.

Measurements such as temperature, wind speed or any switching statuses can be recorded in the internal memory or directly on a USB/ SD card (data logger). You can then export these recorded datasets and process them using an external application (e.g. Excel).

## Highlights of the MDT visualisations

### KNX VisuControl App for managing and controlling several smart buildings

The free MDT App can be used to manage up to four VisuControl Object Servers. This provides a central overview and control, for example, for building complexes consisting of up to four parts.

### KNX VisuControl Object Server for quick and easy set-up

You can configure our Object Server directly in the ETS, it does not require any additional set-up via a seperate visualisation. The display via the MDT App already uses the responsive design, i.e. it adjusts automatically to the smartphone / Tablet and to iPhone / iPad and does not require further configuration.



VC-EASY.03

# Visualisierungen

## VisuControl II for KNX App

Available free of charge in the Google Playstore and
the Apple App Store

To visulise the current building status and to control building functions
via an Android / iOS App.

This app gives you an easy and cost-effective way to control and
visualise your building. The VisuControl Easy II object server connects your
KNX bus system to your mobile Android or Apple device.

The app displays the current conditions of open windows, temperatures
and operating states.

The user interface can be sorted by functions and areas and is available
in 2 different designs (black & white).

**• Automatically adapted to Smartphone / iPhone and Tablet / iPad view**
**• The app supports several object servers**
**• Integrated VPN support**

VisuControl II for KNX is available free of charge in the Google Play Store
and the Apple App Store.

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **VisuControl for KNX App iOS / Android** | | | **05 / 23** |
| App iPhone / iPad | - | - | - |

## Object Server VisuControl EASY II

For visualisation of current building conditions and interactive control of building functions via the Android and iOS App.

VisuControl II for KNX App is available free of charge in the Google Play Store and in the Apple App Store.

The automatic scaling of the App makes it suitable for smart phones and tablets.

- Visualisation and operation of lighting, blinds, room temperature, status, Scenes, media data, weather data and more
- **Up to 200 Functions can be visualised**
- Individual allocation in rooms, zones, or groups
- **Separate Status Object**
- HSV or RGB colour control
- Graphical user interface is created automatically
- **Up to 4 IP cameras per Object server**
- **KNX Secure enabled**
- **Connection to the MDT Time switch**
- **Recording and display of Data in up to 8 diagrams**
- Integrated VPN support
- **IP Interface (4 Connections simultaneously, bus programming)**
- E-mail function for sending messages and status reports
- Time server for sending date / time to the KNX bus
- Logic function for grouped notification
- Secure data transfer between the Object server and App
- The App supports multiple object servers
- **Easy configuration with ETS 5 / 6 without extra Software**
- Power supply via KNX Bus, no external power supply required

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Object Server VisuControl Easy II, 2SU MDRC, with Android or IOS App** | | | **05 / 23** |
| 2SU MDRC | **VC-EASY.03** | C | **468,00 €** |

# Visualisations

## Touchpanel VisuControl, 7" / 17.7 cm

Touchpanel to visualize current building status and to control building functions

- **Capacitive glass touch display with LED backlight**
- User interface individually adjustable
- Switching and dimming, shutter/blind control
- Remote access via PC, iPad, iPhone, Android
- **VisuControl for KNX app available for free in the App store**
- Alarm indication
- Displaying trends
- Forwarding of information via email
- **VisuControl lite software and demo projects included**
- 24 V DC power supply required (eg. STV-0024.01)
- Integrated bus coupling unit

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Touchpanel VisuControl, Size 7" / 17.7 cm** | | | | |
| | 7" / 17.7 cm | **VC-0701.04** | C | **1379,00 €** |

## Accessories for VisuControl 7" / 17.7 cm

**Glass cover frame white**
- for Touchpane VisuControl 7" / 17.7 cm
- Dimensions (W x H): 247 mm x 190 mm

**Glass cover frame black**
- for Touchpanel VisuControl 7" / 17.7 cm
- Dimensions (W x H): 247 mm x 190 mm

**Cover frame brushed stainless steel look**
- for Touchpanel VisuControl 7" / 17.7 cm
- Dimensions (W x H): 244 mm x 198 mm

**Flush mounted metal installation box**
- for Touchpanel VisuControl 7" / 17.7 cm
- Dimensions (W x H x D): 213 mm x 171 mm x 84 mm

**Power supply, 4TE REG**
- Output voltage 24 V DC SELV
- Nominal current 750 mA

**Cable set**
- For Touchpanel VisuControl 7" / 17.7 cm
- To connect an RJ45 connector to a network installation cable

**Software VisuControl Pro**
- For individual programming of the touch panel VisuControl (VisuControl lite software is already included in the scope of delivery)

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **Glass cover frame white 7" / 17.7 cm** | | | | |
| | Glass cover frame white | **VCB-07WS.04** | C | **80,00 €** |
| **Glass cover frame black 7" / 17.7 cm** | | | | |
| | Glass cover frame black | **VCB-07SW.04** | C | **80,00 €** |
| **Cover frame brushed stainless steel look 7" / 17.7 cm** | | | | |
| | Cover frame brushed stainless steel look | **VCB-07SI.04** | C | **80,00 €** |
| **Flush mounted metal installation box 7" / 17.7 cm** | | | | |
| | Flush mounted metal installation box | **VCG-UP07.01** | C | **78,00 €** |
| **Power supply, 4TE REG, 24 V DC SELV, 750 mA** | | | | |
| | Power supply 4SU MDRC | **STV-0024.01** | C | **78,00 €** |
| **Cable Set, 7" / 17.7 cm** | | | | |
| | Cable set | **VCZ-AD07.01** | C | **24,00 €** |
| **Software VisuControl Pro** | | | | |
| | Software VisuControl | **VCS-PRO.04** | D | **364,00 €** |

# Visualisations

## Touchpanel VisuControl, 10" / 25.6 cm

Touchpanel to visualize current building status and to control building functions

- **Capacitive glass touch display with LED backlight**
- User interface individually adjustable
- Switching and dimming, shutter/blind control
- Remote access via PC, iPad, iPhone, Android
- **VisuControl for KNX app available for free in the App store**
- Alarm indication
- Displaying trends
- Forwarding of information via email
- **VisuControl lite software and demo projects included**
- 24 V DC power supply required (eg. STV-0024.01)
- Integrated bus coupling unit

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Touchpanel VisuControl, Size 10" / 25.6 cm** | | | |
| 10" / 25.6 cm    **VC-1001.04** | | C | **2165,00 €** |

## Accessories for Touchpanel VisuControl 10" / 25.6 cm

**Glass cover frame white**
- For Touchpanel VisuControl 10" / 25.6 cm
- Dimensions (W x H): 318 mm x 237 mm

**Glass cover frame black**
- For Touchpanel VisuControl 10" / 25.6 cm
- Dimensions (W x H): 318 mm x 237 mm

**Cover frame brushed stainless steel look**
- For Touchpanel VisuControl 10" / 25.6 cm
- Dimensions (W x H): 314 mm x 233 mm

**Flush mounted metal installation box**
- For Touchpanel VisuControl 10" / 25.6 cm
- Dimensions (W x H x D): 275 mm x 189 mm x 76 mm

**Power supply, 4TE REG,**
- Output voltage 24 V DC SELV
- Nominal current 750 mA

**Cable set**
- For Touchpanel VisuControl 10" / 25.6 cm
- To connect an RJ45 connector to a network installation cable

**Software VisuControl Pro**
- For individual programming of the touch panel VisuControl (VisuControl lite software is already included in the scope of delivery)

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **Glass cover frame white 10" / 25.6 cm** | | | |
| Glass cover frame white | **VCB-10WS.04** | C | **105,00 €** |
| **Glass cover frame black 10" / 25.6 cm** | | | |
| Glass cover frame black | **VCB-10SW.04** | C | **105,00 €** |
| **Cover frame brushed stainless steel look 10" / 25.6 cm** | | | |
| Cover frame brushed stainless steel look | **VCB-10SI.04** | C | **105,00 €** |
| **Flush mounted metal installation box 10" / 25.6 cm** | | | |
| Flush mounted metal installation box | **VCG-UP10.04** | C | **106,00 €** |
| **Power supply, 4TE REG, 24 V DC SELV, 750 mA** | | | |
| Power supply 4SU MDRC | **STV-0024.01** | C | **78,00 €** |
| **Cable Set, 10" / 25.6 cm** | | | |
| Cable set | **VCZ-AD10.01** | C | **24,00 €** |
| **Software VisuControl Pro** | | | |
| Software VisuControl | **VCS-PRO.04** | D | **364,00 €** |

Visualisations

# Wireless technology KNX RF+

Thanks to radio communication, with the MDT KNX RF+ devices you can now also retrofit existing buildings with the convenient KNX system without laborious chiseling work for the cabling. Existing KNX bus systems can also be expanded with the wireless components if, for example, it is not that easy to equip new installation points with a bus cable. In order to do this, the KNX RF+ devices are connected to the KNX system via MDT RF+ Wireless Line Couplers. As usual, the programming is carried out in the ETS.

The MDT KNX RF+ Push Buttons/Glass Push Buttons with integrated Switch Actuator replace a conventional 230 V switch. They are easily installed into the existing outlet sockets and powered from the normal 230 V grid, batteries are not required. The wireless products then establish the connection to the KNX bus system via KNX RF+. In this case, each device can be used as a repeater in order to create good reception quality right through to the most hidden corners.

## Highlights of the MDT KNX RF+ products

### Easy retrofitting with KNX Wireless

With the KNX wireless components, there is no need for chiseling work for subsequent cabling. In existing buildings, this means that the products can be easily and quickly retrofitted to modernise the facilities. For example, conventional switches can be replaced with KNX RF+ Push Buttons with integrated 2-fold switching actuator (neutral wire required).

### MDT KNX RF+ products act as a repeater

In addition to its normal function, every KNX product from our RF+ Wireless range also acts as a repeater. This means that with sufficient wireless products it is possible to build up a stable network.

### MDT KNX RF+ is sustainable

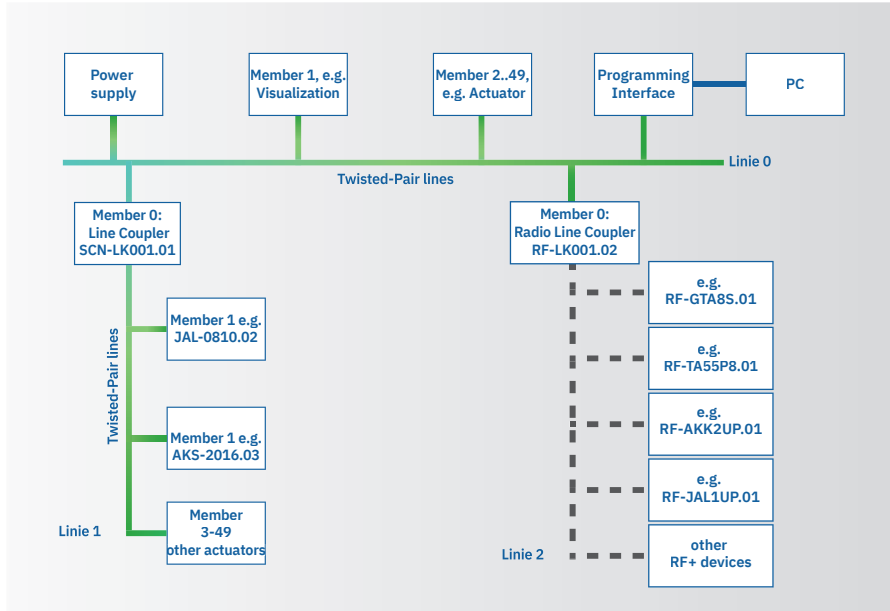Our MDT RF+ devices are powered from the 230 V grid; batteries are not needed.
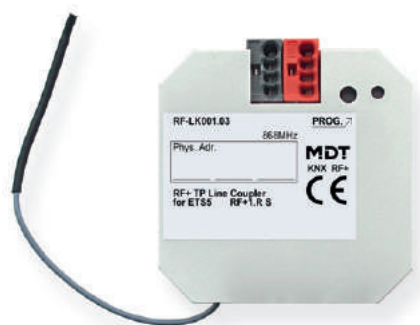


RF-LK001.03

# KNX RF+ Wireless Devices

## Overview

**The following illustration shows an overview of how integration of KNX RF+ devices into a KNX installation could look:**



The topology at the installation of KNX RF+ devices is in principle the same as using normal TP devices. A KNX RF+ Line Coupler is required to couple the TP line to the RF+ line. Every TP Line must have its own bus power supply. There is no limitation of 64 devices per line. With KNX RF+, only the bus load at the radio channel is the limitation for the size of installations. The MDT RF+ devices work without battery and can be connected directly to 230 V AC.

## KNX RF+ Line Coupler

Flush mounted
Integrated bus coupling unit.
For operation inside the EU, 868 MHz



- KNX RF+ line coupler to connect MDT KNX RF+ devices like
- MDT Push Button RF+ or MDT Glass Push Button RF+
- **KNX RF+ protocol in system mode**
- Commissioning from ETS 5
- Compatible with the new KNX RF+ specification
- Filter functions to reduce bus load
- Flush mounted in an installation box
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **KNX RF+ Line Coupler flush mounted** | | | **EOL** |
| | RF-LK001.02 | B | **278,00 €** |

**MDT**
TECHNOLOGIES

## KNX RF+ Line Coupler

KNX RF+ Line Coupler, flush mounted.
Flush mounted.
Integrated BCU.

| | Art.No. | PG.: | List Price |
|---|---|---|---|
| **KNX RF+ Line Coupler flush mounted** | | | **06 / 23** |
| | **RF-LK001.03** | B | **278,00 €** |

- For operating inside the EU, 868 MHz.
- KNX RF+ line coupler to connect MDT KNX RF+ devices like MDT Push Button RF+ or MDT Glass Push Button RF+
- New KNX RF+ protocol in system mode
- **Segment coupler functionality**
- Commissioning with ETS5 / 6.
- Compatible to the new KNX RF+ specification.
- Filter functions to reduce bus load
- Flush mounted in an Installation box.
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm
- Integrated bus coupling unit
- 3 year warranty

KNX®  Made in Germany  **3** Year warranty

# KNX RF+ Wireless Devices

## KNX RF+ Glass Push-button Plus 4-fold

Version with 4 sensor areas and
LED for operation and status

Surrounding orientation light

Current max. 10 A ohmic load,
10 A with 14 µF / 2 ECG

For operation inside the EU, 868 MHz

- **KNX RF+ protocol in system mode**
- Commissioning with ETS5
- **With temperature sensor to measure room temperature**
- Sensor areas can be programmed for 1 or 2 button operation
- NO or NC contact operation, operational time of push-button adjustable
- Forced setting function for each output
- Operation with short / long button push and 2 objects
- Operation of blinds and shutters, 1 and 2 button operation
- Can be set as 2-fold switching actuator or 1-fold shutter actuator
- Connection via MDT KNX RF+ line coupler
- **Surrounding orientation light with day / night object**
- **Labelling foil to be inserted behind the glass front**
- **To upgrade your installation without installing KNX bus cables**
- Power supply 230 V AC
- Installation with included support ring, delivery with labelling foil
- Dimensions (W x H): 92 mm x 92 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **KNX RF+ Glass Push-button Plus 4-fold with actuator** | | | | |
| | white | RF-GTT4W.01 | B | **201,00 €** |
| **KNX RF+ Glass Push-button Plus 4-fold with actuator** | | | | |
| | black | RF-GTT4S.01 | B | **201,00 €** |

## KNX RF+ Glass Push-button Plus 8-fold

Version with 8 sensor areas and
LED for operation and status

Surrounding orientation light

Current max. 10 A ohmic load,
10 A with 14 µF / 2 ECG.

For operation inside the EU, 868 MHz

- **KNX RF+ protocol in system mode**
- Commissioning with ETS5
- **With temperature sensor to measure room temperature**
- Sensor areas can be programmed for 1 or 2 button operation
- NO or NC contact operation, operational time of push button adjustable
- Forced setting function for each output
- Operation with short / long button push and 2 objects
- Operation of blinds and shutters, 1 and 2 button operation
- Can be set as 4-fold switching actuator or 2-fold shutter actuator
- Connection via MDT KNX RF+ line coupler
- Surrounding orientation light with day / night object
- Labelling foil to be inserted behind the glass front
- To upgrade your installation without installing KNX bus cables
- Power supply 230 V AC
- Installation with included support ring, delivery with labelling foil
- Dimensions (W x H): 92 mm x 163 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **KNX RF+ Glass Push-button Plus 8-fold with actuator** | | | | |
| | white | RF-GTT8W.01 | B | **251,00 €** |
| **KNX RF+ Glass Push-button Plus 8-fold with actuator** | | | | |
| | black | RF-GTT8S.01 | B | **251,00 €** |

**MDT**
TECHNOLOGIES

## KNX RF+ Push-button Plus

Version with LEDs for operation, status and orientation

Current max. 10A ohmic load,
10 A with 14 µF / 2 ECG

For operation inside the EU, 868 MHz

- **KNX RF+ protocol in system mode**
- Commissioning from ETS 5
- Fits all switches with 55 mm rocker
- Push-buttons can be programmed for 1 or 2 button operation
- NO or NC contact operation, operational time of push button adjust.
- Forced setting function for each output
- Operation with short / long button push and 2 objects
- Operation of blinds and shutters, 1 and 2 button operation
- Connection via MDT KNX RF+ Line Coupler
- Centered text area for individual description
- To replace conventionel push-buttons
- **To upgrade your installation without installing KNX bus cables**
- Power supply 230 V AC
- Installation with support ring (included in delivery)

| | | | Art.No. | PG.: | List Price |
|---|---|---|---|---|---|
| **KNX RF+ Push-button Plus, 2-fold, with actuator, white glossy finish** | | | | | |
| | 2-fold | White glossy finish | RF-TA55A2.01 | B | **144,00 €** |
| **KNX RF+ Push-button Plus, 4-fold, with actuator, white glossy finish** | | | | | |
| | 4-fold | White glossy finish | RF-TA55A4.01 | B | **154,00 €** |
| **KNX RF+ Push-button Plus, 6-fold, with actuator, white glossy finish** | | | | | |
| | 6-fold | White glossy finish | RF-TA55A6.01 | B | **164,00 €** |
| **KNX RF+ Push-button Plus, 8-fold, with actuator, white glossy finish** | | | | | |
| | 8-fold | White glossy finish | RF-TA55A8.01 | B | **174,00 €** |

## KNX RF+ Universal Interface

Version for control signals 230 V AC
Max cable length 100 m
For operation inside the EU, 868 MHz

- **KNX RF+ protocol in system mode**
- Commissioning from ETS 5
- **To connect 230 V push-buttons, switches, presence detectors**
- **4 integrated logic modules**, e.g. evaluation of the inputs (e.g. window closed or sending second object)
- NO or NC contact operation, operational time of push-button adjustable
- Operation of blinds and shutters, 1 and 2 button operation
- Forced setting function for each output
- Operation with short / long button push and 2 objects
- Counting of pulses
- Cyclical sending of contact state adjustable
- Flush mounted in an installation box
- Connection via MDT KNX RF+ Line Coupler
- **To upgrade your installation without installing KNX bus cables**
- Power supply 230 V AC
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **KNX RF+ Universal Interface 2-fold, flush mounted** | | | | |
| | 2-fold | RF-BE2230.01 | B | **142,00 €** |

KNX®   Made in Germany   3 Year warranty

KNX RF+
Wireless Devices

# KNX RF+ Wireless Devices

## KNX RF+ Switch Actuator

Version with monostable relays

Current max. 10A ohmic load,
10 A with 14 µF / 2 ECG

For operation inside the EU, 868 MHz

- **KNX RF+ protocol in system mode**
- Commissioning from ETS 5
- NO and NC contact operation
- Time functions (switch-on / switch-off delay, staircase light function)
- Status response (active / passive) for each channel
- Logical linking of binary data
- 8 scenes per channel
- Central switching functions and block functions
- Flush mounted in an installation box
- Connection via MDT KNX RF+ Line Coupler
- **To upgrade your installation without installing KNX bus cables**
- Power supply 230 V AC
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **KNX RF+ Switch Actuator 1-fold, flush mounted, 10 A, 230 V AC** | | | | |
| | 1-fold | RF-AKK1UP.01 | B | **153,00 €** |
| **KNX RF+ Switch Actuator 2-fold, flush mounted, 10 A, 230 V AC** | | | | |
| | 2-fold | RF-AKK2UP.01 | B | **165,00 €** |

## KNX RF+ Shutter Actuator

230 V AC Shutter Actuator up to 300 W

With monostable relays

Current max. 10 A with ohmic load

For operation inside the EU, 868 MHz

- **KNX RF+ protocol in system mode**
- Commissioning from ETS 5
- Operation mode blind / shutter adjustable
- Travel, pause (on change of direction) and step time adjustable
- 1 Bit automatic function and sun protection
- 8 Bit positioning for shutter and blinds
- 8 scenes
- Alarm, central and block functions
- Flush mounted in an installation box
- Connection via MDT KNX RF+ Line Coupler
- **To upgrade your installation without installing KNX bus cables**
- Power supply 230 V AC
- Dimensions (W x H x D): 41mm x 41mm x 22mm

| | | Art.No. | PG.: | List Price |
|---|---|---|---|---|
| **KNX RF+ Shutter Actuator 1-fold, flush mounted, 10 A, 230 V AC** | | | | |
| | 1-fold | RF-JAL1UP.01 | B | **165,00 €** |

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## KNX RF+ Socket

| | Art.No. | PG.: | List Price |
|---|---|---|---|

**KNX RF+ Socket 1-fold, 16 A, 230 V AC**

| | | | |
|---|---|---|---|
| 1-fold | **RF-AKK1ST.01** | B | **142,00 €** |

Indoor plug adapter,
switch actuator with monostable relays

Current max. 16 A ohmic load,
10 A with 21 µF / 3 ECG

For operation inside the EU, 868MHz

- **KNX RF+ protocol in system mode**
- Commissioning from ETS 5
- NO and NC contact operation
- Time functions (switch-on / switch-off delay, staircase light function)
- Status response (active / passive) for each channel
- Logical linking of binary data
- 8 scenes per channel
- Central switching functions and block functions
- Connection via MDT KNX RF+ Line Coupler

## KNX RF+ Socket

| | Art.No. | PG.: | List Price |
|---|---|---|---|

**KNX RF+ Socket 1-fold, 16 A, 230 V AC,
with active power measurement**

| | | | |
|---|---|---|---|
| 1-fold | **RF-AZK1ST.01** | B | **165,00 €** |

Indoor plug adapter,
switch actuator with monostable relays

With active power measurement

Current max. 16 A ohmic load,
10 A with 21 µF / 3 ECG

For operation inside the EU, 868 MHz

- **KNX RF+ protocol in system mode**
- Commissioning from ETS 5
- NO and NC contact operation
- Time functions (switch-on / switch-off delay, staircase light function)
- Status response (active / passive) for each channel
- Logical linking of binary data
- 8 scenes per channel
- Central switching functions and block functions
- **Active power measurement with integrated counter (Wh / kWh) with current and voltage rating**
- Connection via MDT KNX RF+ Line Coupler

**KNX RF+
Wireless Devices**

KNX®   Made in Germany   3 Year warranty

# Notes

# Notes

Valid from April 1st, 2023

# MDT

## TECHNOLOGIES

**MDT technologies GmbH**
Papiermühle 1
51766 Engelskirchen
Germany

Tel. +49 2263 88 - 0
knx@mdt.de
www.mdt.de

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