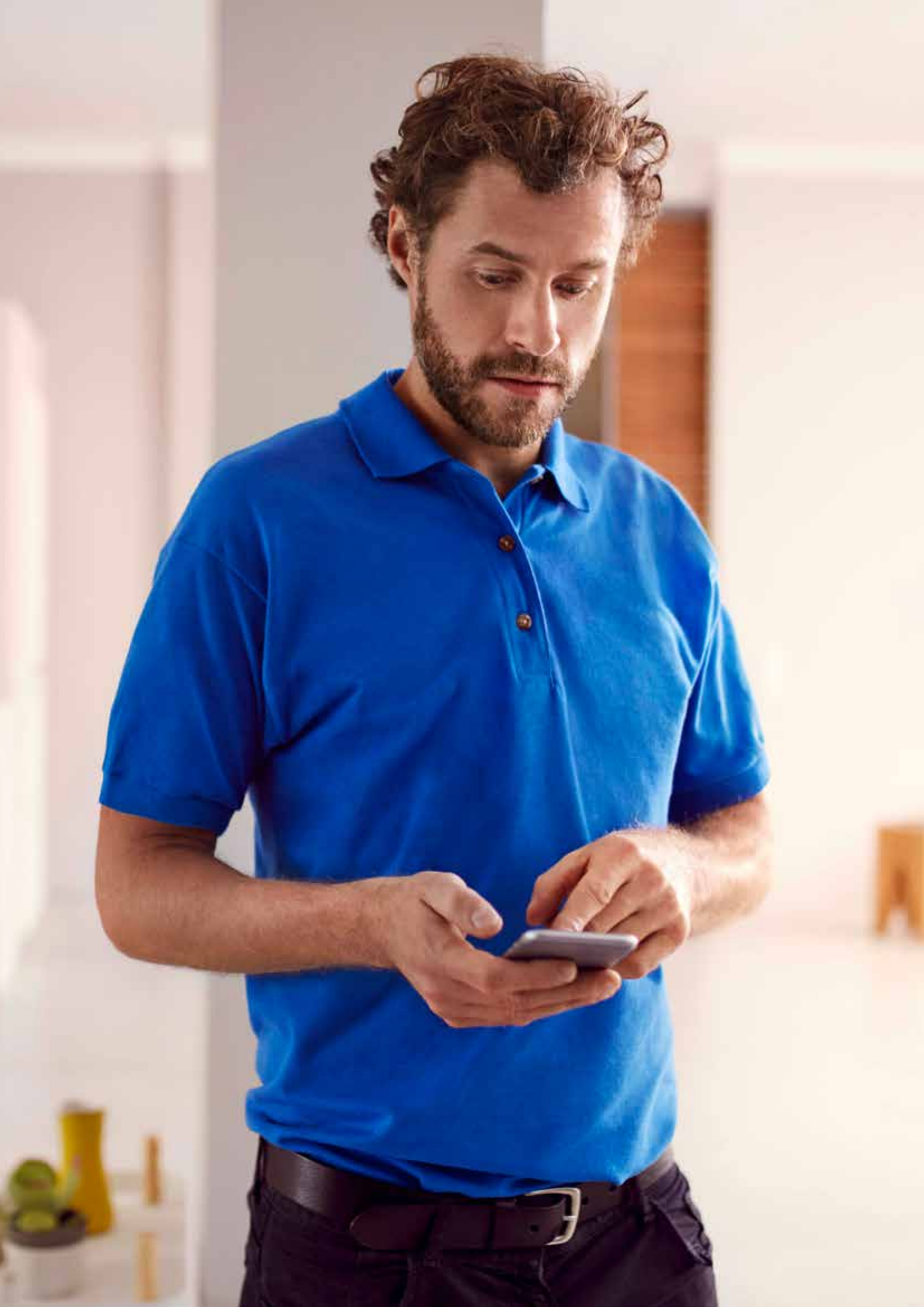


Building Automation

Our Building Automation provides an easy retrofit solution to automate your home simply, while also providing the ability to control your home remotely or for larger commercial projects. The offer is built around KNX, an open standard guaranteeing flexibility and scalability when installing a bus based system.



| | |
|----------------------|-----|
| coviva overview | 449 |
| coviva Micro Modules | 454 |
| KNX easy overview | 457 |
| KNX easy | 460 |
| KNX System overview | 472 |
| KNX System | 475 |



Discover our wireless solution for easy renovation

If you're considering retrofitting, modernising or upgrading a house, you're probably tempted by the benefits of a smart home. But the cost and time of hard-wiring systems may make you think twice.

Fortunately, there's a simple solution. With coviva, you can transform existing electrical installations into a cost effective smart home without any construction work or additional cabling.

Simply install coviva's Micro Modules or combine them with a smartbox and the coviva app to create a smart home that's easy to install, monitor and control.

coviva

wireless modules for easy retrofitting

When it comes to home retrofitting, less is more: No cabling and no plastering or painting means a quicker installation for you. And it's all possible thanks to coviva micro modules.

To build multipoint switching, dimming or centralisation, micro modules are the first step. Once installed behind existing or new switches they communicate wirelessly with each other without the need of a hub, to provide multiple functions throughout the home.



Quick and easy installation.

Micro modules can be connected to any brand of existing switch and are ready to go. They control dimming, on/off switches, raise/lower functions and communicate with other modules without the need of a central hub.



Universal controls

Each micro module can be linked to other modules, without any additional wiring and are fast and easy to program.



Superior wireless reach

The micro modules are designed to deliver exceptional wireless reach. Indoors, they can cross through 2 concrete slabs and still transmit up to 30 metres. Outdoors, their range extends up to 100 metres in the open.



Functions



Switch on / off



Dimming



Raise / lower



Timers

Program



Scenarios

to manage a combination of micro modules from the single push of a button. For example a 'going to bed' scenario could turn off all the lights, close the blinds or curtains and turn on the night light in the children's bedroom.

Control



Lights



Blinds or motorized curtains



Garage doors



Gates



Automatic sprinkler



Air conditioning*



Expansion

*switch on / off function available. Check A/C control wiring.

Pair the micro modules in a few easy steps

When developing coviva, we focused on creating a product that was easy to use and fast to install – for both you and your customers. Two modules can be linked together in less than 15 seconds and will work with both tactile press or standard on/off two-way switch mechanisms. The micro modules can be installed and configured in a few simple steps:



01 Remove the existing switch

Add our compact wireless micro modules to the back of the existing switch. For dimming functions and blinds, conventional switches should be replaced with push buttons.



02 Enter pairing mode on the transmitter

With the switch or push button connected to the transmitter module, enter the pairing mode by briefly pressing the configuration **cfg** button.






















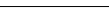















03 Press the switch at the plate

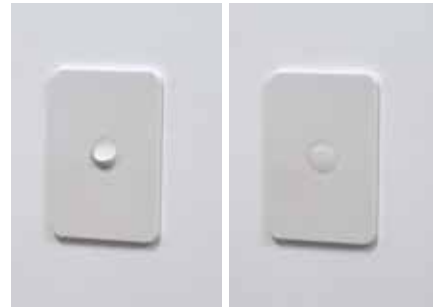
Press the connected switch or push button. (A signal is sent).

04

Function LED colourmodule

| LED colour | Switch module | Dimming module | Shutter / Blinds module |
|---|---|---|---|
|  | on/off ON / OFF, Toggle switch |  ON / OFF, Variation +/- |  Up / stop TRM692AU only |
|  | on ON |  ON, variation + |  Up, stop |
|  | off OFF |  OFF, variation - |  Down, stop |
|  |  1 Scenario 1 |  1 Scenario 1 |  1 Scenario 1 |
|  |  2 Scenario 2 |  2 Scenario 2 |  2 Scenario 2 |
|  |  Timer |  Timer |  Down / stop |
|  |  ON / OFF (light switch) |  ON / OFF (light switch) |  Shutters command (light switch) |
|  | on  Force ON* | |  Force Up |
|  | off  Force OFF* | |  Force Down |
|  |  Erase |  Erase |  Erase |

* functions only available on these products



04

Select the function on the receiver

Select the function (colour of the LED as per table above) on the receiver that you wish to control by briefly pressing the function **fct** button. Validate your choice by holding in the function **fct** button > 2s until the LED flashes.

05

Exit the pairing mode on the transmitter

Exit the pairing mode by briefly pressing the configuration **cfg** button on the original transmitter module from step 1.

06

Re-install the switch

Re-fit the switch plate to the wall.



((RF))

Features

Robust and reliable, our micro modules are compatible with all mechanical switches and push buttons on the market. They enable switching, dimming and linked together wirelessly opening/closing systems to be controlled remotely making installation and additional switch points easy.

TRM702AU

Provides the possibility to put switches in almost any location.

Programmable on/off

- On/Off (switch)
- On
- Off
- On/Off (switch)
- On/Off dimming
- On dimming '+'
- Off, dimming '-'
- Timer
- Scene setting
- See data sheet for specific functions for each module type.

TRM693AU

This module is particularly appropriate for any type of lighting control, including CFL and LED.

Rolling shutter functions

- Raise
- Lower
- Scene setting
- Raise / lower (switch)
- Force raise
- Force lower
- Repetition



TRM702AU

Micro Module 2 inputs, battery operated

| Description | Characteristics | Cat ref. |
|---|------------------------------------|------------|
| Supply voltage: | 3V DC | ★ TRM702AU |
| Battery: | Lithium powered CR 2430 3 V | |
| Battery Life used with push button: | 5+ years (avg 10 operations / day) | |
| Battery life used with On/Off switch: | 3+ years (avg 10 operations / day) | |
| Transmission frequency / Emission power: | 433.05 - 434.79 MHz / 10mW | |
| Contact closure Min: | 50ms | |
| Degree of Protection: | IP30 | |
| Operating temperature: | -10°C → + 50°C | |
| Storage temperature: | - 25°C → + 70°C | |
| Receiver category / Transmitter duty cycle: | 2 / <10% | |
| Inputs: | 2 | |
| Dimensions (HxLxD): | 41 × 39.5 × 11 mm | |

Provides 2 wireless switches when no existing wiring is available, to control / switch other micro modules when linked wirelessly.



TRM690AU

Micro Module - ON/OFF, no neutral required

| Description | Characteristics | Cat ref. |
|---|--------------------------------------|------------|
| Supply voltage: | 230V +10%/-15% 50Hz | ★ TRM690AU |
| Product consumption: | 100mW | |
| Transmission frequency / Emission power: | 433.05 - 434.79 MHz / 10mW | |
| Max. switch rating: | 200W (175 halogen via LVTx), 50W LED | |
| Contact closure Min: | 50ms | |
| Degree of Protection: | IP20 | |
| Operating altitude: | ≤ 2000m | |
| Overvoltage category: | III | |
| Operating temperature: | -15°C → + 45°C | |
| Storage temperature: | - 25°C → + 70°C | |
| Receiver category / Transmitter duty cycle: | 2 / <10% | |
| Inputs: | 2 | |
| Dimensions (HxLxD): | 40 × 40 × 18 mm | |



TRM691AU

Micro Module - Dimming, no neutral (2 wire)

| Description | Characteristics | Cat ref. |
|---|--------------------------------------|------------|
| Supply voltage: | 230V +10%/-15% 50Hz | ★ TRM691AU |
| Product consumption: | 100mW | |
| Transmission frequency / Emission power: | 433.05 - 434.79 MHz / 10mW | |
| Max. switch rating: | 200W (175 halogen via LVTx), 50W LED | |
| Min rating: | 10W (3W LED) | |
| Contact closure Min: | 50ms | |
| Degree of Protection: | IP20 | |
| Operating altitude: | ≤ 2000m | |
| Overvoltage category: | III | |
| Operating temperature: | -15°C → + 45°C | |
| Storage temperature: | - 25°C → + 70°C | |
| Receiver category / Transmitter duty cycle: | 2 / <10% | |
| Inputs: | 2 | |
| Dimensions (HxLxD): | 40 × 40 × 18 mm | |

Micro Module - ON/OFF, requires neutral

| Description | Characteristics | Cat ref. |
|---|--|------------|
| Supply voltage: | 230V +10%/-15% 50Hz | ★ TRM693AU |
| Product consumption: | 100mW | |
| Transmission frequency / Emission power: | 433.05 - 434.79 MHz / 10mW | |
| Max. switch current: | 3A (230V Halogen 500W, LV Halogen 250VA) Fluoro & LED - 150W, Inductive - 3A cos Φ 0.6 | |
| Degree of Protection: | IP20 | |
| Switching capacity: | 15 cycles per minute | |
| Pollution degree: | 2 | |
| Overvoltage category / surge: | III / 4kV | |
| Operating temperature: | -15°C → + 45°C | |
| Storage temperature: | - 25°C → + 70°C | |
| Receiver category / Transmitter duty cycle: | 2 / <10% | |
| Inputs: | 2 for potential-free contacts | |
| Dimensions (HxLxD): | 40 × 40 × 18 mm | |



TRM693AU

Micro Module - Roller blind / shutter

| Description | Characteristics | Cat ref. |
|---|--|------------|
| Supply voltage: | 230V +10%/-15% 50Hz | ★ TRM692AU |
| Product consumption: | 100mW (Max. 150mW) | |
| Transmission frequency / Emission power: | 433.05 - 434.79 MHz / 10mW | |
| Delay between operating movements: | 600ms | |
| Contact closure duration: | 200ms | |
| Degree of Protection: | IP20 | |
| Switching capacity: | 3A cos Φ 0.6 / 15 cycles per minute | |
| Pollution degree: | 2 | |
| Overvoltage category / surge: | III / 4kV | |
| Operating temperature: | -15°C → + 45°C | |
| Storage temperature: | - 25°C → + 70°C | |
| Receiver category / Transmitter duty cycle: | 2 / <10% | |
| Inputs: | 2 for potential-free contacts | |
| Dimensions (HxLxD): | 40 × 40 × 18 mm | |



TRM692AU

Micro Module - ON/OFF volt free contact, requires neutral

| Description | Characteristics | Cat ref. |
|---|---|------------|
| Supply voltage: | 230V +10%/-15% 50Hz | ★ TRM694AU |
| Product consumption: | 150mW | |
| Transmission frequency / Emission power: | 433.05 - 434.79 MHz / 10mW | |
| Max. switch current: | AC1 - 4A | |
| Inductive DC load: | 4A@12V DC 2A@24V DC Halogen 600W, LV Halogen 600VA Inductive - 4A cos Φ 0.6 , Fluoro 40W | |
| Degree of Protection: | IP20 | |
| Switching capacity: | 20 cycles per minute | |
| Overvoltage category / surge: | III / 4kV | |
| Operating temperature: | -15°C → + 45°C | |
| Storage temperature: | - 25°C → + 70°C | |
| Receiver category / Transmitter duty cycle: | 2 / <10% | |
| Inputs: | 2 for potential-free contacts | |
| Dimensions (HxLxD): | 40 × 40 × 20 mm | |



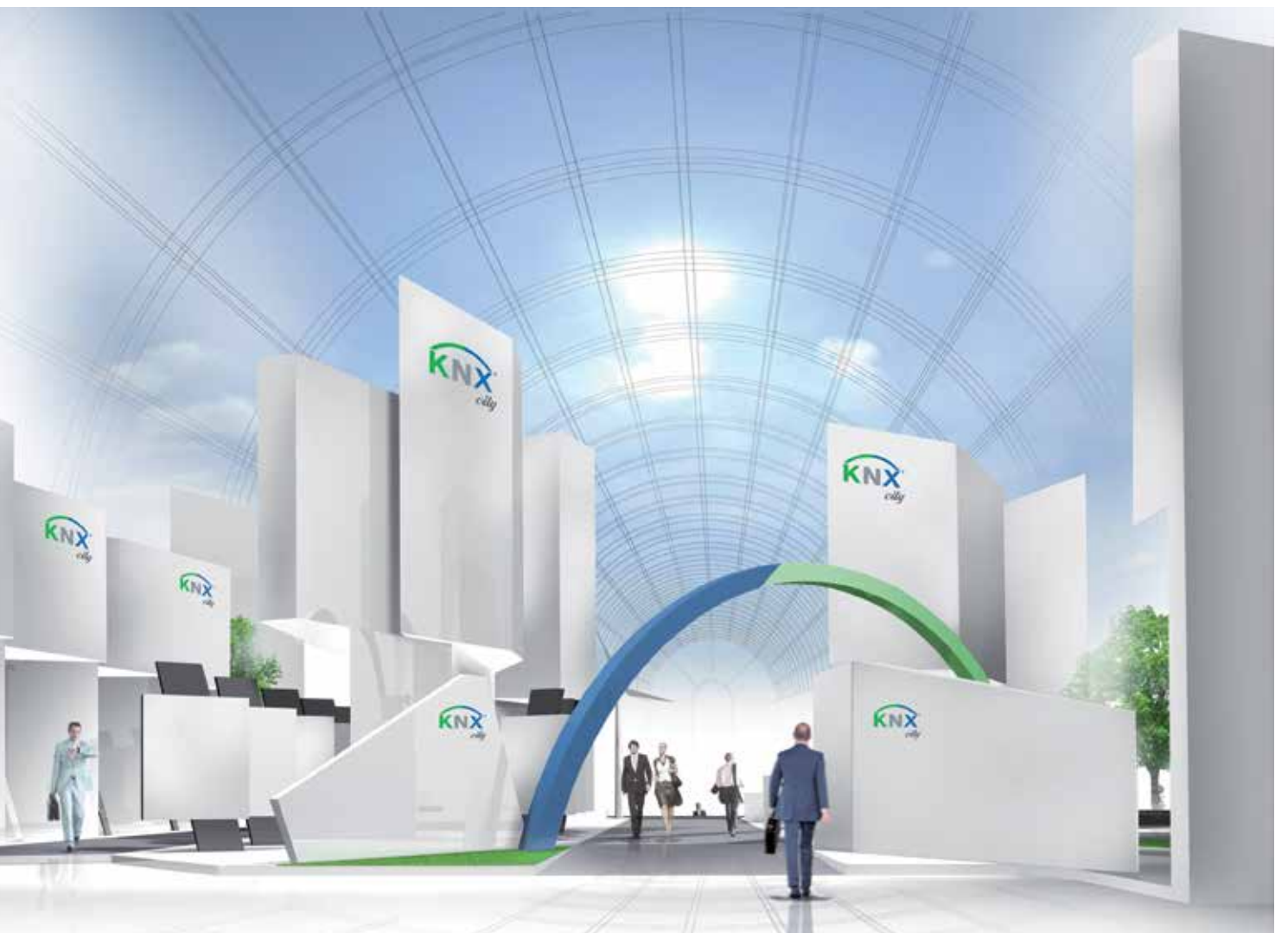
TRM694AU

Micro Module - Pulse contact

| Description | Characteristics | Cat ref. |
|---|----------------------------|------------|
| Supply voltage: | 230V +10%/-15% 50Hz | ★ TRM600AU |
| Product consumption: | 100mW (max. 150mW) | |
| Transmission frequency / Emission power: | 433.05 - 434.79 MHz / 10mW | |
| Max. switch current: | 0.5A | |
| Contact closure duration: | 200ms | |
| Degree of Protection: | IP30 | |
| Operating altitude: | ≤ 2000m | |
| Overvoltage category: | III | |
| Operating temperature: | -10°C → + 50°C | |
| Storage temperature: | - 25°C → + 70°C | |
| Receiver category / Transmitter duty cycle: | 2 / <10% | |
| Inputs: | None | |
| Dimensions (HxLxD): | 40 × 40 × 18 mm | |



TRM600AU



KNX

the strength of a standard.

KNX Protocol has been adopted by Standards Australia as SA/SNZ ISO/IEC TS 14543.3.1-6:2018 Technical Specifications.

Hager manufactures a wide range of KNX products to meet both small and large automation requirements.

Guaranteed compatibility

For over 20 years, the presence of the KNX logo on products has certified that they communicate perfectly with each other, even when they are offered by different manufacturers. This ensures a high degree of flexibility in the extension and modification of facilities.

70%
of the home
automation market*

Seamless continuity

The extent of the KNX community gives the protocol a unique power in the home automation market. Its broad range of products constitutes a set of solutions to meet all situations.

350+
manufacturers

Openness, a state of mind

Various gateways are offered by the adherents of KNX to create links with other specification standards such as DALI and BACNET.

8000+
products

*Source: knx.org

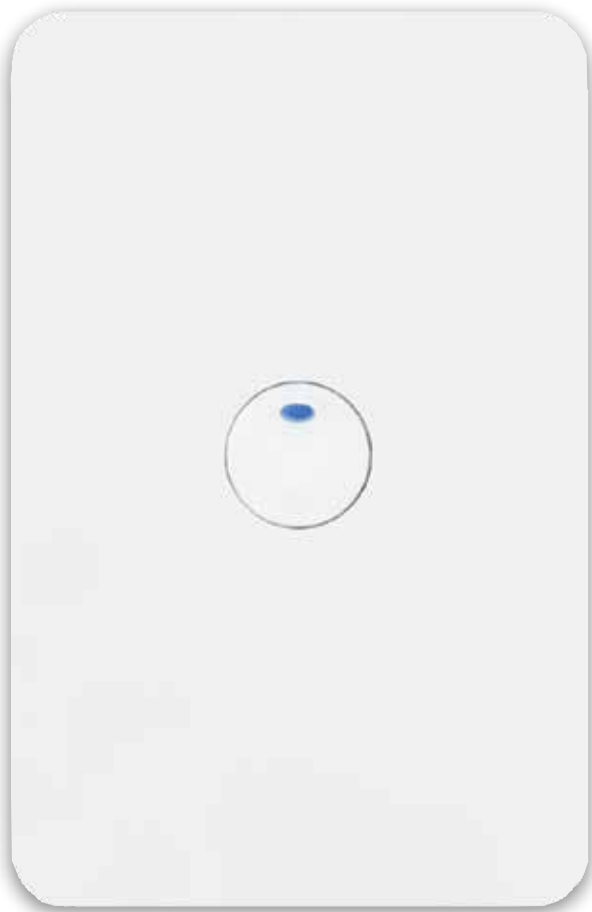
When technology meets design

Add a new dimension to your decor, with our award-winning range of switches and sockets that are KNX compatible. All ranges are available in white or with a choice of colours.



so fine, so stunning silhouette range

The silhouette range has a simple but elegant form based on the serene balance of proportions and the reduction to the object essentials, giving the product the right tone of voice in order to fit within its environment. [Pg 470](#)



Honest, authentic allure range

The allure range is a contemporary addition and evolution of our switches and sockets. We have refreshed the traditional contour with the vision of keeping it sustainable and classical. [Pg 470](#)

Minimal, sleek finesse range

With the Hager design language in mind, the finesse range is an architectural story. Its timeless and slim design creates a world of small elegance, making the range peaceful and quiet. [Pg 471](#)



Relays, Dimmers, Shutter and Blind Devices



461

KNX Power Supplies



466

Presence Detectors



467

Time Switches and Weather Sensors



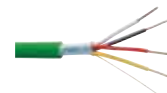
468

Input / Output Devices



469

Accessories



469

Tactile Switches



470

Features

- For switching of an independent load per actuator channel
- Any combined operation from drive and switching functions possible
- Manual operation
- Illuminated programming button
- Manual operation button for on/off and bus function on/off per channel (single area operation)
- Status LED integrated in manual operation button
- Normally-open contact
- Large labelling field
- Integrated bus coupling unit
- Bus connection via connecting terminal
- Quick Connect plug-in terminals



10A relays

| Description | | Channels | Cat ref. |
|---|-----------------------------|----------|----------------|
| For switching of independent loads or activation of drives. | | 6 | TXA606B |
| KNX supply voltage | 21 to 32 V DC | 8 | TXA608B |
| Frequency | 50/60 Hz | 10 | TXA610B |
| Switching current at cos DC 0.8 | max. 10 A | | |
| 230 V LED lamps | 12 x 23 W | | |
| Quantity LED lamps | per channel max. 12 | | |
| Quantity energy-saving lamps | per channel max. 12 | | |
| 230 V incandescent lamps | 1200 W | | |
| 230 V halogen lamps | 1200 W | | |
| Conventional transformers | 1200 VA | | |
| Electronic transformers | 1000 W | | |
| Fluorescent lamps: | | | |
| - with electronical ballast (EB) | 15 x 36 W | | |
| Operating temperature | - 5 to + 45 °C | | |
| Connections | 0.75 to 2.5 mm ² | | |

Follow the motor manufacturers' instructions.



TXA606B



TXA610B

16A relays - capacitive load

| Description | | Channels | Cat ref. |
|---|-----------------------------|----------|----------------|
| For switching of independent loads or activation of drives. | | 4 | TXA604D |
| KNX supply voltage | 21 to 32 V DC | 6 | TXA606D |
| Frequency | 50/60 Hz | 8 | TXA608D |
| Switching current at cos = 0.8 | max. 16 A | 10 | TXA610D |
| 230 V LED lamps | 18 x 23 W | | |
| Quantity LED lamps | per channel max. 18 | | |
| Quantity energy-saving lamps | per channel max. 18 | | |
| 230 V incandescent lamps | 2300 W | | |
| 230 V halogen lamps | 2300 W | | |
| Electronic transformers | 1200 W | | |
| Operating temperature | - 5 to + 45 °C | | |
| Connections | 0.75 to 2.5 mm ² | | |

Follow the motor manufacturers' instructions.



TXA604D



TXA608D



Features

- For switching of an independent load per channel
- Manual operation can be activated via 2-level selection switch, thereby deactivation of the KNX function
- Illuminated programming button
- Manual operation button for on/off and bus function on/off per channel (single area operation)
- Status LED integrated in manual operation button
- Large labelling field
- Integrated bus coupling unit
- Bus connection via connecting terminal
- Screw terminals

TXB601B Features

- Status LED integrated into the manual operation button
- Illuminated programming button/button for manual operation
- Integrated bus coupling unit
- Potential-free normally-open contact
- Pre-assembled, with cables
- Installation in flush-mounted or splash-protected junction box
- Bus connection via pre-assembled cable with bus connection terminal
- Screw terminals



TXM616D



TXM620D

16A Relays - capacitive load

| Description | | Channels | Cat ref. |
|--|-----------------------------|----------|----------------|
| KNX supply voltage | 21 to 32 V DC | 16 | TXM616D |
| Frequency | 50/60 Hz | 20 | TXM620D |
| Switching current at $\cos \phi = 0.8$ | max. 10 A | | |
| 230 V LED lamps | 12 x 23 W | | |
| Quantity LED lamps | per channel max. 12 | | |
| Quantity energy-saving lamps | per channel max. 12 | | |
| 230 V incandescent lamps | 1200 W | | |
| 230 V halogen lamps | 1200 W | | |
| Conventional transformers | 1200 VA | | |
| Electronic transformers | 1000 W | | |
| Fluorescent lamps: | | | |
| - with electronical ballast (EB) | 15 x 36 W | | |
| Operating temperature | - 5 to + 45 °C | | |
| Connections | 0.75 to 2.5 mm ² | | |



TXB601B

10A Relays - 1 gang flush-mounted

| Description | | Cat ref. |
|--|-----------------------------|----------------|
| KNX supply voltage | 21 to 32 V DC | TXB601B |
| Max. switching capacity at 230 V AC | | |
| Frequency | 50/60 Hz | |
| Switching current at $\cos \phi = 0.8$ | max. 10 A | |
| Current consumption KNX {typ.} | typ. 7 mA | |
| 230 V LED lamps | 5 x 15 W | |
| Energy-saving lamps | 5 x 15 W | |
| 230 V incandescent lamps | 600 W | |
| 230 V halogen lamps | 600 W | |
| Conventional transformers | 600 VA | |
| Electronic transformers | 600 W | |
| Fluorescent lamps: | | |
| - with electronical ballast (EB) | 6 x 58 W | |
| Compact fluorescent lamps | 600 W | |
| Operating temperature | - 5 to + 45 °C | |
| Connections | 0.75 to 2.5 mm ² | |
| Dimensions (W x H x D) | 44 x 22.5 x 43 mm | |

Features

- For switching/dimming of an independent load per actuator channel
- Illuminated programming button
- Manual operation button
- Status LED integrated in manual operation button
- Large labelling field
- Integrated bus coupling unit
- Bus connection via connecting terminal
- Quick Connect plug-in terminals
- Operating voltage over bus, 21 to 32 V DC
- Auxiliary voltage, 230 V AC
- Frequency, 50/60 Hz
- Operating temperature, - 5 to + 45 °C
- Conductor cross-section flexible 0.75 to 2.5 mm² rigid 0.75 to 2.5 mm²



Universal Dimmer 300W

Description

| | |
|----------------------------------|-----------------|
| Dimmable 230 V LED lamps | 60 W |
| Qty of dimmable, 230 V LED lamps | max. 8 |
| Dimmable energy-saving lamps | 60 W |
| Quantity energy-saving lamps | max. 8 |
| 230 V incandescent lamps | 300 W |
| 230 V halogen lamps | 300 W |
| Dimmable transformers | 300 VA |
| Electronic transformers | 300 W |
| Dimensions (W x H x D) | 70 x 90 x 65 mm |
| Width of rail mounted device | 4 modules |

Cat ref.

TXA661A



TXA661A

Universal Dimmer 600W

Description

| | |
|----------------------------------|-----------------|
| Dimmable 230 V LED lamps | 120 W |
| Qty of dimmable, 230 V LED lamps | max. 8 |
| Dimmable energy-saving lamps | 120 W |
| Qty energy-saving lamps | max. 8 |
| 230 V incandescent lamps | 600 W |
| 230 V halogen lamps | 600 W |
| Dimmable transformers | 600 VA |
| Electronic transformers | 600 W |
| Dimensions (W x H x D) | 70 x 90 x 65 mm |
| Width of rail mounted device | 4 modules |

Cat ref.

TXA661B



TXA661B

Universal Dimmer 3x 300W

Description

| | |
|----------------------------------|--------------------|
| Dimmable 230 V LED lamps | per channel 60 W |
| Qty of dimmable, 230 V LED lamps | max. 8 |
| Dimmable energy-saving lamps | per channel 60 W |
| Qty energy-saving lamps | max. 8 |
| 230 V incandescent lamps | per channel 300 W |
| 230 v halogen lamps | per channel 300 W |
| Dimmable transformers | per channel 300 VA |
| Electronic transformers | per channel 300 W |
| Width of rail mounted device | 6 modules |

Cat ref.

TXA663A



TXA663A

Do not connect conventional transformers together with electronic transformers.

Universal Dimmer 4x 300W

Description

| | |
|----------------------------------|--------------------|
| Dimmable 230 V LED lamps | per channel 60 W |
| Qty of dimmable, 230 V LED lamps | max. 8 |
| Dimmable energy-saving lamps | per channel 60 W |
| Qty energy-saving lamps | max. 8 |
| 230 V incandescent lamps | per channel 300 W |
| 230 V halogen lamps | per channel 300 W |
| Dimmable transformers | per channel 300 VA |
| Electronic transformers | per channel 300 W |
| Width of rail mounted device | 8 modules |

Cat ref.

TXA664A



TXA664A

Do not connect conventional transformers together with electronic transformers.



Features

- Manual operation can be activated via selection switch, thereby deactivation of the KNX function
- Manual operation per channel using button (single-area operation)
- Status LED integrated in manual operation button
- Illuminated programming button
- Positioning function for shutter and blade position
- Safety functions e.g. for wind, rain, alarm
- Sun shade function
- Large labelling field
- Integrated bus coupling unit
- Bus connection via connecting terminal
- Quick Connect plug-in terminals

TXM632C only feature

- Screw terminals



TXA624D

24V DC Shutter Devices

| Description | | Channels | Cat ref. |
|------------------------------|-----------------------------|----------|----------------|
| KNX supply voltage | 21 to 32 V DC | 4 | TXA624D |
| Switching current (ohmic) | max. 6 A | | |
| Switching current at 24 V DC | max. 6 A | | |
| Operating temperature | - 5 to + 45 °C | | |
| Connections | 0.75 to 2.5 mm ² | | |
| Width of rail mounted device | 4 modules | | |

Follow the motor manufacturers' instructions.



TXA624C

230V AC Shutter Devices

| Description | | Channels | Cat ref. |
|----------------------------------|-----------------------------|----------|----------------|
| KNX supply voltage | 21 to 32 V DC | 4 | TXA624C |
| Frequency | 50/60 Hz | | |
| Switching current at cos φ = 0.8 | max. 6 A | 8 | TXA628C |
| Operating temperature | - 5 to + 45 °C | | |
| Connections | 0.75 to 2.5 mm ² | | |
| Width | 4 Modules (TXA624C) | | |
| Width | 6 Modules (TXA628C) | | |

Follow the motor manufacturers' instructions.



TXM632C

230V Blind Actuator

| Description | | Channels | Cat ref. |
|-----------------------|-------------------------|----------|----------------|
| KNX supply voltage | 21 to 32 V DC | 12 | TXM632C |
| Frequency | 50/60 Hz | | |
| Operating temperature | - 5 to + 45 °C | | |
| Connections | 0.5 to 6mm ² | | |
| Width | 10 Modules | | |

TXB602F features

- For switching of two independent loads or activation of a blind drive
- Positioning function for shutter and blade position
- Status LED integrated into the manual operation button
- Illuminated programming button/button for manual operation
- Potential-free normally-open contact
- Pre-assembled, with cables
- Installation in flush-mounted or splash-protected junction box
- Bus connection via KNX bus connection cable
- Screw terminals

TXB692F features

- 2 binary inputs and 2 switching outputs or 1 blind input parameterisable
- Any combined operation from binary input and drive or switching functions possible
- Binary input functions: Switching, dimming, blind, scene, forced control and timer operation
- Positioning function for shutter and blade position
- Status LED integrated into the manual operation button
- Illuminated programming button
- Potential-free normally-open contact

- Pre-assembled, with cables
- Installation in flush-mounted or splash-protected junction box
- Bus connection via pre-assembled cable with bus connection terminal
- Screw terminals



6A, 2 Output or 1 Shutter/Blind Devices

| Description | | Cat ref. |
|----------------------------------|-----------------------------|----------------|
| KNX supply voltage | 21 to 32 V DC | TXB602F |
| max. switching capacity at | 230 V AC | |
| Frequency | 50/60 Hz | |
| 230 V LED lamps | 5 x 13 W | |
| Energy-saving lamps | 5 x 13 W | |
| 230 V incandescent lamps | 500 W | |
| 230 V halogen lamps | 500 W | |
| Conventional transformers | 500 VA | |
| Electronic transformers | 500 W | |
| Fluorescent lamps: | | |
| - uncompensated | 500 VA | |
| - with electronical ballast (EB) | 6 x 48 W | |
| Operating temperature | - 5 to + 45 °C | |
| Connections | 0.75 to 2.5 mm ² | |



TXB602F

6A, 2 Input + 1 Shutter Output or 2 ON/OFF Output Devices

| Description | | Cat ref. |
|------------------------------------|-----------------------------|----------------|
| KNX supply voltage | 21 to 32 V DC | TXB692F |
| max. switching capacity at | 230 V AC | |
| Frequency | 50/60 Hz | |
| 230 V LED lamps | 5 x 13 W | |
| Energy-saving lamps | 5 x 13 W | |
| 230 V incandescent lamps | 500 W | |
| 230 V halogen lamps | 500 W | |
| Conventional transformers | 500 VA | |
| Electronic transformers | 500 W | |
| Fluorescent lamps: | | |
| - uncompensated | 500 VA | |
| - with electronical ballast (EB) | 6 x 48 W | |
| Operating temperature | - 5 to + 45 °C | |
| Binary cable length, extendable to | max. 9.9 m | |
| Connections | 0.75 to 2.5 mm ² | |



TXB692F



Features

- Electronic short-circuit and overload protection
- Protected earth conductor must be connected
- Quick Connect plug-in terminals
- Green LED for display of power supply per output
- Red LED for display of short-circuit and overload protection per output



TXA112

KNX BUS Power Supply

| Description | | | Cat ref. |
|------------------------------------|-----------------------------|-------|---------------|
| Operating voltage | 230 V AC | 640mA | TXA112 |
| Frequency | 50/60 Hz | | |
| Output voltage | 28 to 32 V DC | | |
| Output current | max. 640 mA | | |
| Operating temperature | - 5 to + 45 °C | | |
| Conductor cross-section (flexible) | 0.75 to 2.5 mm ² | | |
| Conductor cross-section (rigid) | 0.75 to 2.5 mm ² | | |
| Width of rail mounted device | 4 modules | | |



TXA111

KNX BUS Power Supply

| Description | | | Cat ref. |
|------------------------------------|-----------------------------|-------|---------------|
| Operating voltage | 230 V AC | 320mA | TXA111 |
| Frequency | 50/60 Hz | | |
| Output voltage | 28 to 32 V DC | | |
| Output current | max. 320 mA | | |
| Bus lines | max. 1 | | |
| Operating temperature | - 5 to + 45 °C | | |
| Conductor cross-section (flexible) | 0.75 to 2.5 mm ² | | |
| Conductor cross-section (rigid) | 0.75 to 2.5 mm ² | | |
| Width of rail mounted device | 4 modules | | |



TGA200

DC Power Supply 24V DC

| Description | | Cat ref. |
|------------------------------|----------------|---------------|
| Operating voltage | 230 V AC | TGA200 |
| Frequency | 50/60 Hz | |
| Output voltage | 24 V DC | |
| Output current | max. 1 A | |
| Current consumption | < 150 mA | |
| Power consumption | 36 W | |
| Operating temperature | + 0 to + 45 °C | |
| Width of rail mounted device | 4 modules | |



Description

Energy saving by presence and brightness-controlled lighting control

TXC511 features

- Potentiometers for setting the response brightness and delay time without dismantling
- Energy saving by presence and brightness-controlled lighting control
- Bus connection via connecting terminal
- Constant light control

TCC510S features

- Linking several detectors in order to expand the detection range
- Integrated bus coupling unit
- Potentiometers for setting the response brightness and delay time without dismantling
- Programming button
- Bus connection via connecting terminal
- Spring clips for ceiling installation

Presence Detector with constant light control

| Description | |
|---------------------------------|-----------------|
| KNX supply voltage | 21 to 32 V DC |
| Current consumption | 12 mA |
| Recommended installation height | 2.5 to 3.5 m |
| Brightness measuring range | 5 to 1200 lx |
| Delay time, adjustable | 1 min to 30 min |
| Detection angle | 360 ° |
| Operating temperature | + 0 to + 45 °C |
| Dimensions (Ø x H) | 110 x 44 mm |

Cat ref.

TXC511



TXC511

IR Presence Detector

| Description | |
|-----------------------------------|-----------------|
| KNX supply voltage | 21 to 32 V DC |
| Recommended installation height | 2.5 to 3.5 m |
| Brightness measuring range | 5 to 1000 lx |
| Delay time, adjustable | 1 min to 1 h |
| Detection angle | 360 ° |
| Detection field Ø, on floor | 7 m |
| Detection field Ø, at desk height | 5 m |
| Operating temperature | - 10 to + 45 °C |
| Installation opening Ø | 60 to 63 mm |
| Dimensions (Ø x H) | 78 x 70 mm |

Cat ref.

TCC510S



TCC510S

Surface Mount Housing for Presence Detectors

| Description | Characteristics | Dimensions (Ø x H) | Cat ref. |
|--|---|--------------------|---------------|
| For use in applications requiring mounting to the underside of concrete slabs or steel beams e.g. carparks and utility rooms | Housing for the installation of presence detector TXC511. - with cable entry | 70 x 45mm | EE813 |
| | Housing for the installation of presence detector TCC510S. | 75 x 65 mm | EEK005 |



EE813

EEK005

Remote controls

| Description | Characteristics | Cat ref. |
|---|------------------|--------------|
| Battery service life [years] | 2.5 | EE807 |
| Dimensions (L x W x H) | 111 x 63 x 10 mm | |
| Infrared commissioning remote control for TCC510S | | |
| Battery service life [years] | 3.5 | EE808 |
| Dimensions (L x W x H) | 120 x 70 x 10 mm | |

Infrared user remote control for the local adjustment of detector settings for TCC510S



EE807



Time Switch

- Switch program can be stored in programming key - EG005 which comes with the TXA022.
- Program can be simply activated by insertion of the programming key into the time switch. The time switch will start to run the program stored in the programming key.
- Using the programming key provides a simple and safe copy of a sequence of input switching.
- Override control and priority control
- Temporary priority control
- Winter / summer schedule
- Lithium battery with a 5-year functioning reserve
- Up to 56 program steps
- Programmable by computer (via EG003U)
- Bar display chart of day profile
- Weekly program included
- 2 channel control
- Impulse cycle time setting
- Holiday mode
- Can be locked using the EG004 locking key
- Predefined parameters when activating heat protection function or heat recovery function
- Periodical emission for outside temperature, frost alarm, brightness, day/night mode, wind alarms and rain alarm predefined
- Three pre-set limit values for wind alarm
- bus connection via connecting terminal
- Plug-in terminals for power supply
- For wall and mast assembly
- Pipe clamp for mast fixing
- The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Weather Sensor

- Wind, Precipitation, twilight, temperature and brightness sensor
- Automatic summer/winter time change-over
- Heater element for winter operation
- Red programming LED
- For control of shading systems for up to 4 façades
- Easy commissioning by means of predefined parameters



TXA022

2 Channel Time Switches

| Description | | Width | Cat ref. |
|------------------------------------|---------------------------|-------|---------------|
| KNX supply voltage | 21 to 32 V DC | 2 mod | TXA022 |
| Lithium cell power reserve [years] | 5 | | |
| Operating temperature | + 0 to + 45 °C | | |
| Conductor cross-section (flexible) | 1.5 to 10 mm ² | | |
| Conductor cross-section (rigid) | 1 ... 6 mm ² | | |
| Width of rail mounted device | 2 modules | | |



EG004

Time Switch Accessories

| Description | Width | Cat ref. |
|---|-------|--------------|
| Locking key, yellow Authorization control to prevent change switch program | | EG004 |

Features:

- Colour: yellow
- Protection of program and operation buttons

Programming key, grey

Supplied keys have been preprogrammed to "continuous close" mode. Specific programs can be installed to run on the time switch by inserting the programming key into the time switch.

Features:

- Colour: grey

Key storage module

For storage of 3 programming locking keys

Programming key adapter, USB computer interface for the computer programming of keys.

Features:

- Supplied with the required cable connection
- Simple computer programming for programmable keys
- Software available for download from www.hagerelectro.com.au

| | | |
|--------------------|-------|--------------|
| Key storage module | 1 mod | EG006 |
|--------------------|-------|--------------|

| | | |
|---|--|---------------|
| Programming key adapter, USB computer interface for the computer programming of keys. | | EG003G |
|---|--|---------------|



EG006



TXE531

Weather Station with Simulation - surface mounted

| Description | | Cat ref. |
|-------------------------------|------------------|---------------|
| KNX supply voltage | 21 to 32 V DC | TXE531 |
| Auxiliary voltage | 24 V AC/ DC | |
| Rated current (heating incl.) | 81 mA | |
| Brightness measuring range | 0 to 150000 lx | |
| Temperature measuring range | - 30 to + 80 °C | |
| Measuring range, wind speed | 0 to 35 m/s | |
| Precipitation (Yes/No) | 1 bit | |
| Operating temperature | - 30 to + 50 °C | |
| Dimensions (W x H x D) | 96 x 77 x 118 mm | |
| Weight | 170 g | |

For detection of wind, precipitation, temperature and brightness to process the signals. Ensure correct orientation and free-standing installation.

Input / Output devices with voltage free contacts

- Power supply by Bus.
- The modules are associated with push buttons or switches
- Connection length to push button and LEDs must not exceed 5m
- Easy Tool is used to configure the individual inputs of the TXB322 products.
- The products allow controlling of lighting, blinds, shutters, heating and scenes
- The Scene function sends group controls to different kinds of outputs to create ambiances or scenarios (leaving home scenario, reading ambience, etc.).
- The 2-channel mode function allows controlling, with the same push button, 2 independent circuits having different functions.



2-Input / 2-Output module LED (status indication)

| Description | | Cat ref. |
|----------------------------|-------------------------------|---------------|
| LED outputs specifications | I = 850 µA U = 1.8V DC | TXB322 |
| KNX supply voltage | 30V DC | |
| Busline max consumption | 15 mA | |
| Dimensions | 38 x 35 x 12 mm | |
| Degree of protection | IP 30 | |
| Operating temperature | +0 to +45°C | |
| Storage temperature | -20 to +70°C | |
| Standards | EN 60 669-2-1 NF EN 50 428 | |



TXB322

- The universal input modules interface potential free contacts with KNX.
- Push buttons, switches and conventional automatisms can thus be used to drive standard LED indicators.
- Outputs can control conventional signaling LEDs.
- 2 independent channels.

4-Input / 4-Output module LED (status indication)

| Description | | Cat ref. |
|----------------------------|-------------------------------|---------------|
| LED outputs specifications | I = 850 µA U = 1.8V DC | TXB344 |
| KNX supply voltage | 30V DC | |
| Busline max consumption | 15 mA | |
| Dimensions | 38 x 35 x 12 mm | |
| Degree of protection | IP 30 | |
| Operating temperature | +0 to +45°C | |
| Storage temperature | -20 to +70°C | |
| Standards | EN 60 669-2-1 NF EN 50 428 | |

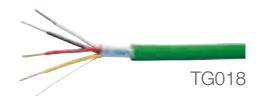


TXB344

- The universal input modules interface potential free contacts with KNX.
- Push buttons, switches and conventional automatisms can thus be used to drive standard LED indicators.
- Outputs can control conventional signaling LEDs.
- 4 independent channels.

Accessories

| Description | Characteristics | Cat ref. |
|---|------------------------|---------------|
| KNX cable | 100m roll | TG018 |
| - EIB - Y (ST)Y 2 x 2 x 0.8 (Voltage withstanding: 4kV) | 500m roll | TG019 |
| | 100m roll halogen free | TG060 |
| | 500m roll halogen free | TG061 |
| Connection terminals | -5 to +45 °C | TG008 |
| - Operating temperature | Ø 0.6 to 0.8 mm | |
| - Conductor | 2 x 4 | |
| - Number of conductors | 10.2 x 11.5 x 10 mm | |
| - Dimensions (L x W x H) | | |
| Connection bridges | Grey, 50 per pack | TG200B |
| - For bridging between quick connect terminals on DIN relay devices | | |



TG018



TG008



TG200B



Switch Plate features

- Removable covers for ease of painting
- Multiple mounting holes
- Supplied with standard 32mm tapered point fixing screws

Mechanism features

- Tactile mechanism with quick fit cable plug system

Technical data

- High impact high gloss UV stabilised Polycarbonate construction

Supplied with

- Switch plate
- Tactile mechanism(s)
- Cover Plate
- Wiring loom
- Bus coupling unit(s)

Cover features

- Removable covers for ease of painting
- Hi impact high gloss UV stabilised Polycarbonate construction
- Matt Black or Matt White finish, to reduce finger printing



WBSTS2N

silhouette - Large Plate Switches with LED

| Characteristics | Available colours | Box qty | Cat ref. |
|-----------------|-------------------|---------|-------------------|
| 1 gang | ○ White | 1 | WBSTS1N |
| | ● Matt black | 1 | WBSTS1N-MB |
| | ○ Matt White | 1 | WBSTS1N-MW |
| 2 gang | ○ White | 1 | WBSTS2N |
| | ● Matt black | 1 | WBSTS2N-MB |
| | ○ Matt White | 1 | WBSTS2N-MW |
| 4 gang | ○ White | 1 | WBSTS4N |
| | ● Matt black | 1 | WBSTS4N-MB |
| | ○ Matt White | 1 | WBSTS4N-MW |
| 6 gang | ○ White | 1 | WBSTS6N |
| | ● Matt black | 1 | WBSTS6N-MB |
| | ○ Matt White | 1 | WBSTS6N-MW |



WBHTS1N

allure - Large Plate Switches with LED

| Characteristics | Available colours | Box qty | Cat ref. |
|-----------------|-------------------|---------|---------------------|
| 1 gang | ○ White | 1 | ★ WBHTS1N |
| | ● Matt black | 1 | ★ WBHTS1N-MB |
| | ○ Matt White | 1 | ★ WBHTS1N-MW |
| 2 gang | ○ White | 1 | ★ WBHTS2N |
| | ● Matt black | 1 | ★ WBHTS2N-MB |
| | ○ Matt White | 1 | ★ WBHTS2N-MW |
| 4 gang | ○ White | 1 | ★ WBHTS4N |
| | ● Matt black | 1 | ★ WBHTS4N-MB |
| | ○ Matt White | 1 | ★ WBHTS4N-MW |
| 6 gang | ○ White | 1 | ★ WBHTS6N |
| | ● Matt black | 1 | ★ WBHTS6N-MB |
| | ○ Matt White | 1 | ★ WBHTS6N-MW |

Switch Plate features

- Removable covers for ease of painting
- Multiple mounting holes
- Supplied with standard 32mm tapered point fixing screws

Mechanism features

- Tactile mechanism with quick fit cable plug system

Technical data

- High impact high gloss UV stabilised Polycarbonate construction

Supplied with

- Switch plate
- Tactile mechanism(s)
- Cover Plate
- Wiring loom
- Bus coupling unit(s)

Cover features

- Removable covers for ease of painting
- Hi impact high gloss UV stabilised Polycarbonate construction
- Matt Black or Matt White finish, to reduce finger printing

finesse - Large Plate Switches with LED

| Characteristics | Available colours | Box qty | Cat ref. |
|-----------------|-------------------|---------|------------------------------|
| 1 gang | ○ White | 1 | ★ WBQTS1N |
| | ● Matt black | 1 | ★ WBQTS1N-MB |
| | ○ Matt White | 1 | ★ WBQTS1N-MW |
| 2 gang | ○ White | 1 | ★ WBQTS2N |
| | ● Matt black | 1 | ★ WBQTS2N-MB |
| | ○ Matt White | 1 | ★ WBQTS2N-MW |
| 4 gang | ○ White | 1 | ★ WBQTS4N |
| | ● Matt black | 1 | ★ WBQTS4N-MB |
| | ○ Matt White | 1 | ★ WBQTS4N-MW |
| 6 gang | ○ White | 1 | ★ WBQTS6N |
| | ● Matt black | 1 | ★ WBQTS6N-MB |
| | ○ Matt White | 1 | ★ WBQTS6N-MW |



WBQTS1N

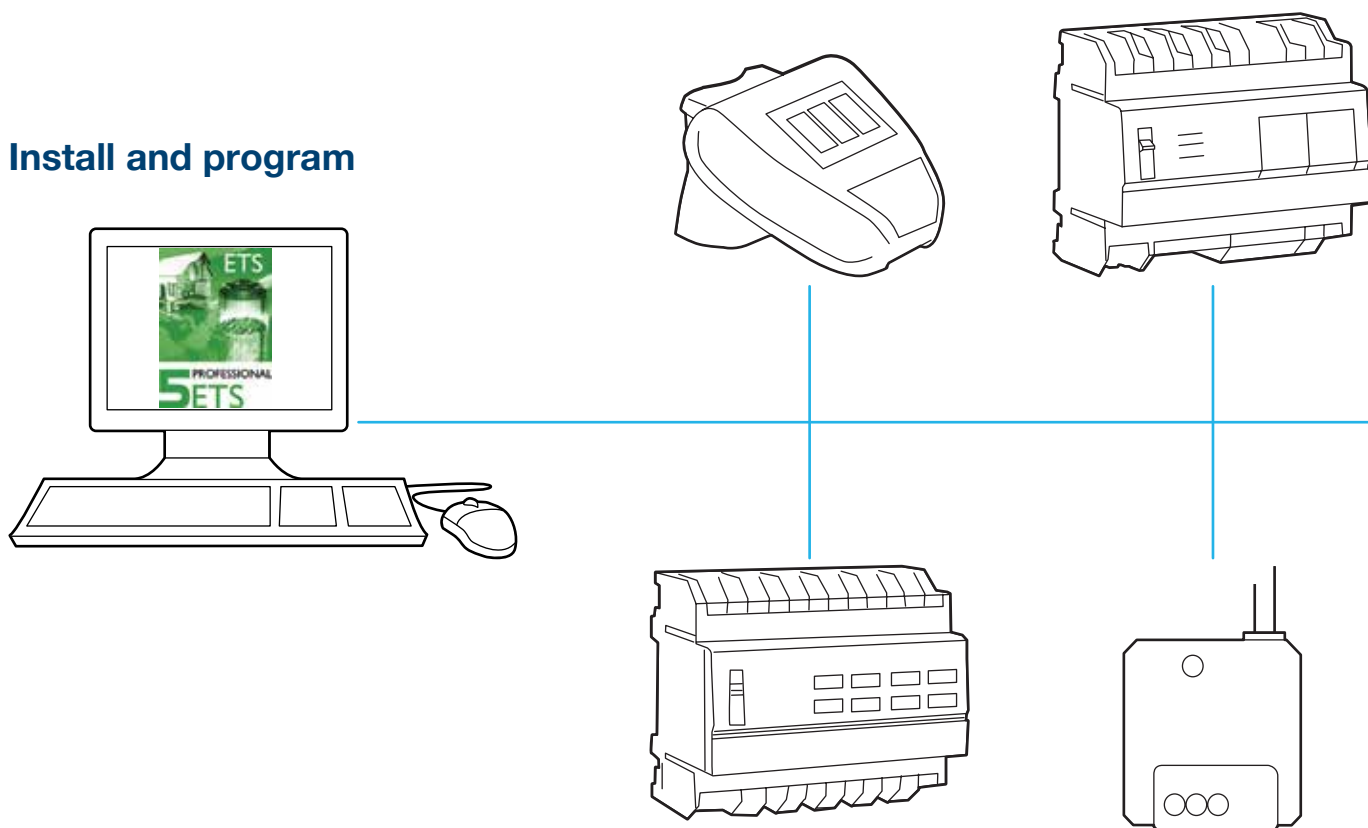
A flexible and scalable system



For commercial projects, the architecture of a Hager KNX System encompasses flexibility and scalability.

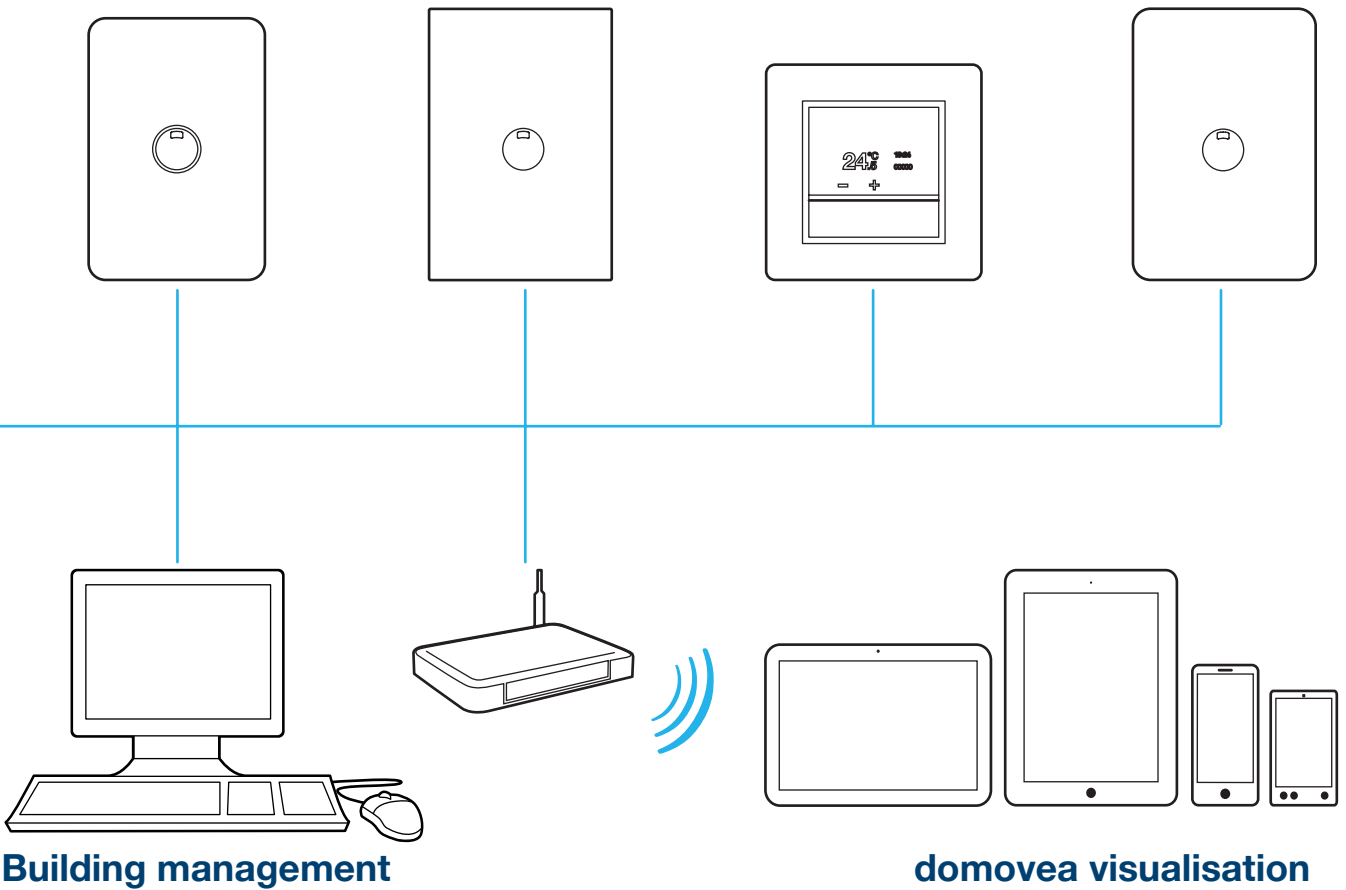
Hager KNX System uses ETS programming software which guarantees full interoperability with any other KNX member solutions from intrusion and technical alarms, video surveillance and videophones, all the way to multi-room function and maintenance systems. Gateways to create links with other control standards such as DALI modbus and BACNET guarantees smooth integration into more complex Building Management Systems (BMS).

Install and program





End-user control



Programming using KNX ETS 5 A premium solution



For commercial projects requesting a whole range of functionalities, system is the most adapted solution. Our KNX System range has been developed for the most complex and demanding installations. Our wide range of KNX devices offer very advanced configuration possibilities with the use of ETS software.



domovea



477

Relays, Dimmers and Shutter Devices



478

KNX Power Supplies, DALI Gateways and Couplers



485

Presence Detectors and Time Switches



487

DIN Mount Input Devices and Input/Output Devices



490

Energy Meters, Current Transformers and Consumption Indicators



492

Weather Sensors



494

Accessories



495

Tactile Switches



496

domovea the dashboard of your home



Comfort at your fingertips

The quality of a home automation system is judged primarily by the benefits it brings to its users. In terms of comfort, offering several solutions to control the home automation functionality of a house is an asset. Stay connected with your home when you are outside.

A window in your home...

Remotely control your home via the secure portal at www.domovea.com you can turn off lights or you can view different locations of your home through IP cameras. You can trigger a predefined schedule at a predefined time or as you wish.



TJA670 (domovea Basic) functions

- Integrated KNX easytool
- Max of 500 KNX appliances
- Max of 5 IP cameras
- Google, Alexa, IFTTT services
- 50 user sequences (client)
- Remote access license
- User personalisation
- Installer and client remote access
- KNX / IP bridge (local access only)

TJA470 (domovea Expert) functions

- Integrated KNX easytool
- Max of 500 KNX appliances
- Max of 50 IP cameras
- Google, Alexa, IFTTT services
- 50 user sequences (client)
- 100 advanced sequences (configurator)
- Remote access license
- User personalisation
- Installer and client remote access
- KNX / IP bridge (local and remote access)

domovea Server (Basic and Expert)

| Description | Characteristics | Type | Cat ref. |
|--|--------------------------------------|--------|-----------------|
| KNX power supply | KNX bus TBTS 30V DC | Basic | ★ TJA670 |
| Consumption on the bus line | 10mA max - 30V DC | Expert | ★ TJA470 |
| Max consumption on the auxiliary supply | 760mA max - 24V DC | | |
| Standby consumption on the 24 V Ethernet and USB not connected | 330mA | | |
| Standard/standby consumption on the 2-wire bus | 35mA / 12mA - 24V DC | | |
| Maximum dissipation (24V output) | 10W without USB, 15 W with 2 USB max | | |
| Ethernet network communication | 2 x 100/1000 BaseT | | |
| Bus connection | 0.2 - 1.5mm ² | | |
| Power supply socket | 0.75 - 2.5mm ² | | |
| Ethernet/IP network socket | 2 x RJ45 | | |
| Operating temperature | - 5°C to + 45°C | | |
| Width | 6 modules | | |
| Impact resistance | IK04 | | |



TJA470

- Central operating and visualisation unit for KNX installations via client software.
- Knowledge of the relevant network technology is required for installation.
- System requirements: Windows XP, VISTA and Windows 7 (32 or 64-bit).

Power Supply 24V DC

| Description | Characteristics | Cat ref. |
|-----------------------|-----------------|---------------|
| Operating voltage | 230V AC | TGA200 |
| Frequency | 50/60 Hz | |
| Output voltage | 24 V DC | |
| Output current | max. 1 A | |
| Current consumption | < 150 mA | |
| Power consumption | 36 W | |
| Operating temperature | + 0°C to + 45°C | |
| Width of device | 4 modules | |



TGA200



Features

- Common parameter of switching actuator
- Output states are displayed on the product.
- Outputs can be controlled manually from the product
- Each output to be individually configured for Lighting or Shutters/Blinds applications
- Shutters/Blinds applications required two Output Channel
- The ON/OFF function is used to switch a lighting circuit ON or OFF
- The Status indication function displays the status of the output contact
- The Timer function is used to switch a lighting circuit ON or OFF for an adjustable time
- The Time delayed switch function combines a toggle function and a cut-off delay
- The Priority function allows overriding an output to a definite status, ON or OFF
- The Jamming function allows locking an output in its current status
- Each output may be integrated into 32 different scenes
- The Timer and Automatic controls function allow the outputs to be controlled by:
- Timer functions: Timer/toggle change over, Switching delay, Tripping delay, Switching and tripping delay, Timer.
- Automatic control functions: Authorization, Logical AND or Logical OR
- Manual override, permanent or Time limited.
- Behavior in the event of bus voltage failure/Return parameterisable
- With programming button and red programming LED
- Bus connection via connecting terminal
- Quick Connection Terminal



TYA604A

Relays 4A

| Description | Characteristics | Cat ref. |
|------------------------------|---|---------------------------|
| KNX supply voltage | 30 V DC | 4 channel TYA604A |
| 230 V LED lamps | 6 x 23 W | 6 channel TYA606A |
| Quantity LED lamps | per channel max. 6 | 8 channel TYA608A |
| Quantity energy-saving lamps | per channel max. 6 | 10 channel TYA610A |
| 230 V incandescent lamps | 800 W | |
| 230 V halogen lamps | 800 W | |
| Conventional transformers | 800 W | |
| Electronic transformers | 800 W | |
| Fluorescent lamp: | | |
| - with electronic ballast | 450 W | |
| Width | 4 modules (4 & 6 channel) 6 modules (8 & 10 channel) | |
| Operating temperature | 0°C to +45°C | |
| Connections | 0.75 to 2.5 mm ² | |



TYA606B

Relays 10A

| Description | Characteristics | Cat ref. |
|------------------------------|---|---------------------------|
| KNX supply voltage | 30 V DC | 4 channel TYA604B |
| 230 V LED lamps | 12 x 23 W | 6 channel TYA606B |
| Quantity LED lamps | per channel max. 12 | 8 channel TYA608B |
| Quantity energy-saving lamps | per channel max. 12 | 10 channel TYA610B |
| 230 V incandescent lamps | 1200 W | |
| 230 V halogen lamps | 1200 W | |
| Conventional transformers | 1000 W | |
| Electronic transformers | 1000 W | |
| Fluorescent lamp: | | |
| - with electronic ballast | 550 W | |
| Width | 4 modules (4 & 6 channel) 6 modules (8 & 10 channel) | |
| Operating temperature | 0°C to +45°C | |
| Connections | 0.75 to 2.5 mm ² | |



TYA608C

Relays 16A

| Description | Characteristics | Cat ref. |
|------------------------------|---|---------------------------|
| Bus voltage | 30 V DC | 4 channel TYA604C |
| 230 V LED lamps | 12 x 23 W | 6 channel TYA606C |
| Quantity LED lamps | per channel max. 12 | 8 channel TYA608C |
| Quantity energy-saving lamps | per channel max. 12 | 10 channel TYA610C |
| 230 V incandescent lamps | 2300 W | |
| 230 V halogen lamps | 1600 W | |
| Conventional transformers | 1200 W | |
| Electronic transformers | 1200 W | |
| Fluorescent lamp: | | |
| - with electronic ballast | 725 W | |
| Width | 4 modules (4 & 6 channel) 6 modules (8 & 10 channel) | |
| Operating temperature | 0°C to +45°C | |
| Connections | 0.75 to 2.5 mm ² | |



Features

- Common parameter of switching actuator
- Output states are displayed on the product.
- Outputs can be controlled manually from the product
- Each output to be individually configured for Lighting or Shutters/Blinds applications
- Shutters/Blinds applications required two Output Channel
- The ON/OFF function is used to switch a lighting circuit ON or OFF
- The Status indication function displays the status of the output contact
- The Timer function is used to switch a lighting circuit ON or OFF for an adjustable time
- The Time delayed switch function combines a toggle function and a cut-off delay
- The Priority function allows overriding an output to a definite status, ON or OFF
- The Jamming function allows locking an output in its current status
- Each output may be integrated into 32 different scenes
- The Timer and Automatic controls function allow the outputs to be controlled by:
- Timer functions: Timer/toggle change over, Switching delay, Tripping delay, Switching and tripping delay, Timer.
- Automatic control functions: Authorization, Logical AND or Logical OR
- Manual override, permanent or Time limited.
- Behavior in the event of bus voltage failure/Return parameterisable
- With programming button and red programming LED
- Bus connection via connecting terminal
- Quick Connection Terminal

Relays 16A for capacitive load

| Description | Characteristics | Cat ref. |
|------------------------------|---|---------------------------|
| KNX supply voltage | 30 V DC | 4 channel TYA604D |
| 230 V LED lamps | 18 x 23 W | 6 channel TYA606D |
| Quantity LED lamps | per channel max. 18 | 8 channel TYA608D |
| Quantity energy-saving lamps | per channel max. 18 | 10 channel TYA610D |
| 230 V incandescent lamps | 2300 W | |
| 230 V halogen lamps | 2300 W | |
| Conventional transformers | 1600 W | |
| Electronic transformers | 1200 W | |
| Fluorescent lamp: | | |
| - with electronic ballast | 725 W | |
| - parallel compensated | 1500 W (200µF) | |
| Width | 4 modules (4 & 6 channel) 6 modules (8 & 10 channel) | |
| Operating temperature | 0°C to +45°C | |
| Connections | 0.75 to 2.5 mm ² | |



TYA610D

Relays 16A for capacitive load

| Description | Characteristics | Cat ref. |
|------------------------------|---|---------------------------|
| KNX supply voltage | 30 V DC | 16 channel TYM616D |
| 230 V LED lamps | 25 x 18 W | 20 channel TYM620D |
| Quantity LED lamps | per channel max. 25 | |
| Quantity energy-saving lamps | per channel max. 25 | |
| 230 V incandescent lamps | 2300 W | |
| 230 V halogen lamps | 2300 W | |
| Conventional transformers | 1600 W | |
| Electronic transformers | 1000 W | |
| Fluorescent lamp: | | |
| - with electronic ballast | 27 x 36 W | |
| Width | 8 modules (TYM616D) 10 modules (TYM620D) | |
| Operating temperature | 0°C to +45°C | |
| Connections | 0.75 to 2.5 mm ² | |



TYM616D

Relays 16A for current monitoring

| Description | Characteristics | Cat ref. |
|------------------------------|-----------------------------|--------------------------|
| Bus voltage | 30 V DC | 6 channel TYA606E |
| 230 V LED lamps | 18 x 23 W | |
| Quantity LED lamps | per channel max. 18 | |
| Quantity energy-saving lamps | per channel max. 18 | |
| 230 V incandescent lamps | 2300 W | |
| 230 V halogen lamps | 2300 W | |
| Conventional transformers | 1600 W | |
| Electronic transformers | 1380 W | |
| Fluorescent lamp: | | |
| - with electronic ballast | 25 x 18 W | |
| - parallel compensated | 1000W (130µF) | |
| Width | 6 modules | |
| Operating temperature | 0°C to +45°C | |
| Connections | 0.75 to 2.5 mm ² | |



TYA606E

Features

- Output states are displayed on the product.
- Outputs can be controlled manually using the push button
- Each output to be individually configured for Lighting or Heating
- Each product feature depends on its configuration and settings.



TYB602F

Relays 6A flush mount

| Description | | Characteristics | Cat ref. |
|------------------------------|-----------------------------|-----------------|----------------|
| KNX supply voltage | 30 V DC | 2 channel | TYB602F |
| 230 V LED lamps | 5 x 13 W | | |
| Quantity LED lamps | per channel max. 5 | | |
| Quantity energy-saving lamps | per channel max. 5 | | |
| 230 V incandescent lamps | 500 W | | |
| 230 V halogen lamps | 500 W | | |
| Conventional transformers | 500 W | | |
| Electronic transformers | 500 W | | |
| Fluorescent lamp: | | | |
| - with electronic ballast | 6 x 48 W | | |
| Dimensions | 53 x 29 mm | | |
| Operating temperature | 0°C to +45°C | | |
| Connections | 0.75 to 2.5 mm ² | | |
| Protection degree | IP20 | | |

- Channels controlled via the KNX bus (depending on features configured).



TYB601B

Relays 10A flush mount

| Description | | Characteristics | Cat ref. |
|------------------------------|-----------------------------|-----------------|----------------|
| Bus voltage | 30 V DC | 1 channel | TYB601B |
| 230 V LED lamps | 5 x 15 W | | |
| Quantity LED lamps | per channel max. 5 | | |
| Quantity energy-saving lamps | per channel max. 5 | | |
| 230 V incandescent lamps | 600 W | | |
| 230 V halogen lamps | 600 W | | |
| Conventional transformers | 600 W | | |
| Electronic transformers | 600 W | | |
| Fluorescent lamp: | | | |
| - with electronic ballast | 6 x 58 W | | |
| Dimensions | 53 x 29 mm | | |
| Operating temperature | 0°C to +45°C | | |
| Connections | 0.75 to 2.5 mm ² | | |
| Protection degree | IP20 | | |

- Channels controlled via the KNX bus (depending on features configured).



Features

- 1 dimming channels controlled by KNX bus.
- Universal dimmer with automatic load recognition
- Min/Max level local setting.
- Display of channel state on the product.
- Manual mode that allows dimming even when the bus is disconnected.
- Control button for manual mode.
- Per channels 32 light scenes with a related scene speed
- Short-circuit, over heating & overload protection with LED indication
- With programming button and red programming LED in same button.
- Bus connection via connecting terminal.
- Quick Connection Terminal

1 Channel, Universal Dimmer 300W

| Description | |
|--------------------------|-----------------------------|
| KNX supply voltage | 30 V DC 230 V DC |
| Busline max consumption | 2.3 mA |
| Consumption without load | 3 W |
| Power dissipation | 4 W |
| Width | 4 modules |
| Operating temperature | -5°C to +45°C |
| Connections | 0.75 to 2.5 mm ² |

Cat ref.
TYA661AN



TYA661AN

- Dimming suitability
 - 230 V incandescent and halogen lamps 300W
 - Halogen ELV (12 or 24V) via ferromagnetic transformer 300VA.
 - Halogen ELV (12 or 24V) via electronic transformer 300W
 - Dimmable CFL lamp (CFLi) with integrated ballast 60W
 - Dimmable LED lamp(LEDi) with integrated ballast 60W

1 Channel, Universal Dimmer 600W

| Description | |
|--------------------------|-----------------------------|
| Bus voltage | 30 V DC 230 V DC |
| Busline max consumption | 2.3 mA |
| Consumption without load | 3 W |
| Power dissipation | 7.5 W |
| Width | 4 modules |
| Operating temperature | -5°C to +45°C |
| Connections | 0.75 to 2.5 mm ² |

Cat ref.
TYA661BN



TYA661BN

- Dimming suitability
 - 230 V incandescent and halogen lamps 600W
 - Halogen ELV (12 or 24V) via ferromagnetic transformer 600VA.
 - Halogen ELV (12 or 24V) via electronic transformer 600W
 - Dimmable CFL lamp (CFLi) with integrated ballast 120W
 - Dimmable LED lamp (LEDi) with integrated ballast 120W

3 channels, Universal Dimmer 300W

| Description | |
|--------------------------|-----------------------------|
| KNX supply voltage | 30 V DC 230 V DC |
| Busline max consumption | 2.3 mA |
| Consumption without load | 1.7 W |
| Power dissipation | 8.9 W |
| Width | 6 modules |
| Operating temperature | -5°C to +45°C |
| Connections | 0.75 to 2.5 mm ² |

Cat ref.
TYA663AN



TYA663AN

- 1, 2, or 3 dimming channels controlled by KNX bus.
- The product can control 1, 2 or 3 independent lighting circuits, the outputs number depends on the switch position.
- Dimming suitability according to output selector switch per channel:
 - 230 V incandescent and halogen lamps 300W / 600W / 900W
 - ELV halogen (12 or 24V) via ferromagnetic transformer 300W / 600W / 900W
 - ELV halogen (12 or 24V) via electronic transformer 300W / 600W / 900W
 - Dimmable CFL lamp (CFLi) with integrated ballast 60W / 120W / 210W
 - Dimmable LED lamp (LEDi) with integrated ballast 60W / 120W / 210W



Features

- Dimming channels controlled by KNX bus.
- Universal dimmer with automatic load recognition
- Min/Max level local setting.
- Display of channel state on the product.
- Control button for manual mode.
- Manual mode that allows dimming even when the bus is disconnected.
- Per channels 32 light scenes with a related scene speed
- With programming button and red programming LED in same button.
- Bus connection via connecting terminal.
- Short-circuit, over heating & overload protection with LED indication
- Quick Connection Terminal



TYA664AN

4 Channels, Universal Dimmer 300W

Description

| | | |
|--------------------------|------------------------------|-----------------|
| KNX supply voltage | 30 V DC 230 V AC 50/60 Hz | Cat ref. |
| Busline max consumption | 2.3 mA | TYA664AN |
| Consumption without load | 1.7 W | |
| Power dissipation | 8.9 W | |
| Width | 8 modules | |
| Operating temperature | -5°C to +45°C | |
| Connections | 0.75 to 2.5 mm ² | |

- Dimming suitability according to output selector switch per channel:
 - 230 V incandescent and halogen lamps 300W per channel
 - ELV halogen (12 or 24V) via ferromagnetic transformer 300W / 600W / 900W
 - ELV halogen (12 or 24V) via electronic transformer 300W / 600W / 900W
 - Dimmable CFL lamp (CFLi) with integrated ballast 60W / 120W / 210W
 - Dimmable LED lamp (LEDi) with integrated ballast 60W / 120W / 210W



TX211A

3 channels, 1/10V Dimmer

Description

- Fluorescent and halogen lamps with 1/10V ballasts
- Able to interface with 1/10V LED control equipment
- Halogen lamps ELV supplied with variable or ferromagnetic electronic transformer

Functions:

- ON/OFF
- Dim control

Width

4 mod

Cat ref.

TX211A

Features

- Outputs can be controlled manually from the product
- Output states are displayed on the product
- Delay time between 2 opposite directions 600 ms.
- Application software allows each output to be individually configured for Shutter/Blind applications.
- The Up/Down Function allows the up or down movement of a shutter, a blind with inclinable slats, an awning, a Venetian blind, etc. or the opening and closing of electric curtains. The Stop function allows stopping the current shutter movement.
- The Slat angle/Stop function allows inclining the slats of a blind and stopping its current movement or modifying the occultation or the direction of the light beams coming from outside.
- The Position in % function allows putting a shutter or a blind in a desired position expressed in % of closure.
- The Slat angle function allows inclining the slats of a blind into a desired position expressed in degrees (0° to 180°).
- Each output may be integrated into 32 different scenes.
- Wind alarm and rain alarm functions allow putting a shutter or a blind in a parameterisable predefined status.
- The Priority function allows forcing a shutter or a blind into a predefined position.
- The Jamming function allows locking a shutter or a blind in its current position.
- The Status indication function allows sending on the bus:
 - Status indication (1 byte): indicates the current operating mode of the output (Alarm, Priority, Jamming, and Normal)
- Position indication in %: indicates the position of the shutter or blind
- Slat angle indication in °: indicates the position of the shutter or blind
- Status indication (1Bit): indicates the last movement, up or down, of the shutter or blind

4 Channel Shutter Devices 230V AC

| Description | Characteristics | Cat ref. |
|--------------------------------|-----------------------------|---------------------------|
| KNX supply voltage | 30 V DC SELV | 4 shutters TYA624A |
| Power dissipation | 2 W | 4 shutters TYA624C |
| Typical consumption on KNX bus | 5.2 mA | and / or blinds |
| Standby consumption on KNX bus | 4.5 mA | |
| Width | 4 modules | |
| Operating temperature | -5°C to +45°C | |
| Connections | 0.75 to 2.5 mm ² | |
| Breaking capacity | μ230 Vv 6A AC1 | |
| Surge voltage | 4kV | |
| Protection degree | IP20 | |



TYA624A

- The 4-output drivers TYA624A and TYA624C are actuators that allow interfacing Bus KNX with opening devices. They are part of the tebis Installation System and are designed to control such devices as rolling shutters, blinds with awnings, blinds with slats, etc.
- 4 independent channels controlled by bus KNX.
- Each product feature depends on its configuration and settings.

4 channel Shutter Devices 24V DC

| Description | Characteristics | Cat ref. |
|--------------------------------|-----------------------------|---------------------------|
| KNX supply voltage | 30 V DC SELV | 4 shutters TYA624B |
| Power dissipation | 2 W | 4 shutters TYA624D |
| Typical consumption on KNX bus | 5.2 mA | and / or blinds |
| Standby consumption on KNX bus | 4.5 mA | |
| Width | 4 modules | |
| Operating temperature | -5°C to +45°C | |
| Connections | 0.75 to 2.5 mm ² | |
| Breaking capacity | μ24 V DC 6A DC1 | |
| Surge voltage | 4kV | |
| Protection degree | IP20 | |



TYA624B

- The 4-output drivers TYA624A and TYA624C are actuators that allow interfacing Bus KNX with opening devices. They are part of the tebis Installation System and are designed to control such devices as rolling shutters, blinds with awnings, blinds with slats, etc.
- 4 independent channels controlled by bus KNX.
- Each product feature depends on its configuration and settings.



TYA628A

8 Channel Shutter Devices 230V AC

| Description | | Characteristics | Cat ref. |
|--------------------------------|-----------------------------|-----------------|----------------|
| KNX supply voltage | 30 V DC SELV | 8 shutters | TYA628A |
| Power dissipation | 2 W | | |
| Typical consumption on KNX bus | 15.8 mA | 8 shutters | TYA628C |
| Standby consumption on KNX bus | 8.8 mA | and / or blinds | |
| Width | 6 modules | | |
| Operating temperature | -5°C to +45°C | | |
| Connections | 0.75 to 2.5 mm ² | | |
| Breaking capacity | μ230 Vv 6A AC1 | | |
| Surge voltage | 4kV | | |
| Protection degree | IP20 | | |

- The 8-output drivers TYA624A and TYA624C are actuators that allow interfacing Bus KNX with opening devices. They are part of the tebis Installation System and are designed to control such devices as rolling shutters, blinds with awnings, blinds with slats, etc.
- 8 independent channels controlled by bus KNX.
- Product display of outputs status with or without the presence of bus and/or main supply (230V AC).
- The outputs may be switched with or without the presence of bus and/or main supply (230V AC).
- Each product feature depends on its configuration and settings.




TYB692F

1 Channel Output + 2 Channel Input Shutter Device - flush mount

| Description | | Characteristics | Cat ref. |
|------------------------------------|---------------|-----------------------|----------------|
| KNX supply voltage | 30 V DC SELV | 1 out + 2 in shutters | TYB692F |
| Breaking capacity | μ 6A AC1 230V | | |
| Min. switching current | 10mA | | |
| Max. switching cycles at full load | 20/min | | |
| Standby consumption on KNX bus | 5mA | | |
| Typical consumption on KNX bus | 7mA | | |
| Incandescent lamps | 500W max. | | |
| HV halogen lamps | 500W max. | | |
| Conventional transformer | 500VA max. | | |
| Electronic transformer | 500W max. | | |
| LED lamps | 5 x 13W max. | | |
| Inputs | 2 | | |

Power Supply

A power supply provides the 30V DC bus power for the KNX system to function.

- With integral choke
- Short-circuit and overload protection
- The "OK" indicator lights up in normal working mode
- The "I>I_{max}" indicator lights up, eliminate the origin of the fault (short circuit or overload)
- Protected earth conductor must be connected
- Quick Connection  Terminal

DALI Gateway

The DALI gateway permits the control of DALI devices form the KNX network and can provide status information using KNX visualisation.

- Control of a maximum of 64 DALI devices in a max. of 32 groups
- Manual control of the groups independent of the bus (site operation with broadcast control)
- Feedback of DALI error status or short-circuit and supply voltage failure message
- Central switching function
- Incorporation of the groups into up to 16 light scenes
- All channel-oriented functions can be adjusted separately for each group. This feature permits independent and multi-functional control of the DALI devices
- The Staircase timer function can only be adjusted for groups 1 to 16
- Adjusting the limit values for brightness is possible
- Dimming response can be adjusted
- Soft-On or Soft-Off function
- Disable function or, alternatively, forced-control position function can be adjusted for each group, with the disable function, blinking of lighting groups is possible
- Timer functions (ON-delay, OFF-delay, staircase lighting function, also with pre-warning function)
- Response to bus voltage failure and bus voltage return as well as after ETS programming can be adjusted for each group
- With programming button and red programming LED

- Automatic device replacement
- Bus connection via connecting terminal
- With screw terminals preferably on top.



Power Supply Modules

| Description | | Characteristics | Cat ref. |
|-----------------------|-----------------------------|-----------------|---------------|
| Supply voltage | 230V AC 50/60 Hz | 320mA | TXA111 |
| Output voltage | 30V DC | 640mA | TXA112 |
| Absorbed power | 15 VA | | |
| Operating temperature | -5 to +45°C | | |
| Connections | 0.75 to 2.5 mm ² | | |



TXA111

DALI Gateway

| Description | | Type | Cat ref. |
|-------------------------|---|--------|------------------|
| KNX supply voltage | 21 to 32 V DC SELV | DALI | TYA670W |
| External supply voltage | 110 to 240 V AC +10%/-15% 50/60 Hz | DALI 2 | TYA670WD2 |
| Busline max consumption | typically 150 mW | | |
| Power consumption | max. 6 W | | |
| Total power loss | max. 3 W | | |
| Operating temperature | -5°C to +45°C | | |
| Connections | screw terminal preferably on top | | |
| DALI voltage | typically 16 V DC with overvoltage protection | | |
| DALI current | typically 128mA max. 200mA temporarily | | |
| Width | 4 modules | | |



TYA670WD2

Line Coupler

A line coupler or area coupler is used to interconnect two KNX bus lines or areas. The coupler device is also used as a signal amplifier and a data filter for bus communication.

- Can be used as line/area coupler or line amplifier.
- With programming button.
- With green operation LED, red programming LED and red diagnosis LED.
- With 2 yellow data traffic LEDs for higher and lower ranking line.
- Allows extension of a wire line and repeats the messages.
- Ensures a galvanic insulation between lines.
- Necessary in case of systems with more than 64 wire products.
- Line connection via connecting terminal

IP Router

The IP gateway operates as a line coupler and connects KNX lines over a data network. Besides this coupler function the IP gateway offers remote communication to KNX devices over the internet. By utilising a LAN or WAN connection, the KNX system can be expanded between two or more locations.

- Quick communication of lines/areas and systems via data networks (Internet protocols).
- Needed for operation a power supply of 24 V DC.
- As interface to PCs and data processing devices.
- For reporting bus voltage failure via data networks.
- Internet protocols supported: ARP, ICMP, IGMP, UDP/IP, and DHCP.
- IP according to Konnex specifications: Core, Routing, Tunnelling, Device Management.
- Can be used as line/area coupler.
- With RJ45 connection for Ethernet/ IP networks.
- With programming button and red programming LED.
- With green operation LED and yellow data traffic LED.
- With green, yellow and red LEDs for indicating the IP communication.
- Line connection via connecting terminal.
- Operating voltage connection via connecting terminal.

USB Interface

For connection between a computer and the KNX bus, for the purpose of programming.

- For addressing, programming and diagnosis of KNX components.
- With B-type USB socket for data traffic (voltage supply via PC)
- Compatible with USB 1.1/2.0 transmission protocols.
- With flash-controller technology



TYF130

Line/Area Coupler

| Description | | Cat ref. |
|-----------------------|--------------|---------------|
| KNX supply voltage | 21 - 32 V DC | TYF130 |
| Width | 2 modules | |
| Operating temperature | -5 to +45°C | |



TYFS120

KNX IP Secure Interface

| Description | | Cat ref. |
|------------------------|--------------|------------------|
| KNX supply voltage | 21 - 30 V DC | ★ TYFS120 |
| Power usage | 20mA | |
| Ethernet communication | 100 Base T | |
| Ethernet connection | RJ45 | |
| IP rating | IP20 | |
| Operating temperature | -5°C to 45°C | |
| Width | 1 module | |



TYFS121

KNX IP Secure Router

| Description | | Cat ref. |
|------------------------|--------------|------------------|
| KNX supply voltage | 21 - 30 V DC | ★ TYFS121 |
| Power usage | 20mA | |
| Ethernet communication | 100 Base T | |
| Ethernet connection | RJ45 | |
| IP rating | IP20 | |
| Operating temperature | -5°C to 45°C | |
| Width | 1 module | |



TYFS122

USB Interface

| Description | | Cat ref. |
|-----------------------|----------------|------------------|
| KNX supply voltage | 21 - 32 V DC | ★ TYFS122 |
| Data transfer rate | max. 9.6 kBaud | |
| Operating temperature | -25 to +45°C | |
| Width | 2 modules | |

High performance detectors
TX510, TX511

That can be used in premises or in passage areas, where they increase comfort and reduce the energy costs drastically.

Combination of presence and motion detection area

The presence area is especially useful in offices, where the motion area may be used in long corridors. Head rotation for detection area adjustment.

Applications

TX510 - 2 channel detector

For KNX control of a light load or used as a slave for detection area enlargement.

- Lux level and ON delay setting via ETS or potentiometers.
- Test mode in order to set lux level and the detection pattern

TX511 - detector with light regulation

For KNX control of a light load. Separate presence channel fo HVAC.

- Lux level, ON delay setting for light channel and presence channel via ETS or potentiometers.
- Programmable as master or slave function.

Presence Detector, 2 channels

Description

- KNX supply voltage: 30V DC
- Size: 110 x 44 mm
- Colour: white

Functions:

- Switch ON/OFF lighting control
- UP/DOWN shutter and blind control
- Timer
- Heating control
- Override control
- Scene call
- Dimming

Channel 1 "Lighting device":

- Control the site status and luminance (5-1200Lux)
- Cutoff delay on device of 1min - 30 min. (on ETS 5s - 8s)

Channel 2 "HVAC device":

- Delay connection function (lowest 15 min.): e.g.: heating device, ventilating unit, in channel 2
- "HVAC device control" will switch on these devices when site status becomes stable in 15 min
- Cut-off delay on device of 1min - 30 min

Cat ref.

TX510



TX510

Presence Detector with constant luminance control

Description

- KNX supply voltage: 30V DC
- Size: 110 x 44 mm
- Colour: white

Functions:

- ON/OFF lighting control
- UP/DOWN shutter and blind control
- Timer
- Heating control
- Override control
- Scene call
- Dimming
- Master/slave function

3 potentiometers adjustments

- Potentiometer 1 "close": presence detector control (without lighting channel control)
- Potentiometer 2: constant luminance control through device Lux value (50 to 700 Lux) adjustment
- Potentiometer 3: Cutoff delay of 1min - 3 min

Cat ref.

TX511



TX511

Installation Boxes

Description

Surface mount housing for the installation of presence detector EE810/EE811/EE812. For use in applications requiring mounting to the underside of concrete slabs or steel beams e.g. carparks and utility rooms.

Cat ref.

EE813

Flush mount housing for the installation of presence detector EE810/EE811/EE812. For use in plasterboard or timber ceiling.

EEBOX



EE813

High Performance Detectors

TCC510S, TCC520E, TCC521E
High performance flush mounted presence detectors suitable for use in residential and commercial premises where energy control and/or reduction is required.

TCC510S - Detector ON/OFF

- Lux level and ON delay setting via ETS, potentiometers or EE807 remote control.

TCC520E - Detector ON/OFF

- Direct control of a light load.
- Lux level and ON delay setting via ETS, potentiometers or EE807 remote control.

TCC521E - Detector for light regulation

- 3 functional modes.
- Lux level and ON delay setting via ETS, potentiometers or EE807 remote control.

- DALI/DSI bus output accommodates up to 24 ballasts.

EE807 - IR Remote Control

- Installer remote control to commission settings.

EE808 - IR Remote Control

- Customer remote control for override control.



TCC510S



TCC520E



TCC530E

Detectors

| Description | Characteristics | Cat ref. |
|--|--|----------------|
| 1 channel - ON/OFF 360° - Channel 1: Presence + brightness 1 ON / OFF object | KNX supply voltage: 30V DC | TCC510S |
| 3 channel - ON/OFF 360° - Channel 1: Presence + brightness 1 ON / OFF object 1 sec contact output 230V 16A resistive - Channels 2 and 3: presence only 1 item per channel (ON / OFF, timer, scene to) | Switched phase: 16A AC1 contact rating KNX supply voltage: 30V DC | TCC520E |
| 3 channel - Light control 360° - Dual zone - Channel 1: Presence + brightness Controls 2 objects and 1 ON / OFF object - Channels 2 and 3: presence only 1 item per channel (ON / OFF, timer, scene ...) | Switched phase: 16A AC1 contact rating KNX supply voltage: 30V DC | TCC530E |
| DALI / DSI - Light control 360° Up to 24 ballasts - 1 output DALI / DSI - Channel 2 and 3: presence only 1 item per channel (ON / OFF, timer, scene ...) | DALI/DSI bus communication KNX supply voltage: 30V DC | TCC521E |



EEK005

Installation Boxes

| Description | Cat ref. |
|--|---------------|
| Surface mount Housing for the installation of presence detectors TCC5xxx. For use in applications requiring mounting to the underside of concrete slabs or steel beams e.g. carparks and utility rooms | EEK005 |



EE807

Remote Controls

| Description | Cat ref. |
|--|--------------|
| Infrared commissioning remote control - For TCC510S, TCC520E and TCC521E presence detectors - For commissioning | EE807 |
| Infrared user remote control - For TCC510S, TCC520E and TCC521E presence detectors - For the local adjustment of detector settings | EE808 |

Time Switch 2 Channel

- Switch program can be stored in programming key - EG005 which comes with the TXA022.
- Program can be simply activated by insertion of the programming key into the time switch. The time switch will start to run the program stored in the programming key.
- Using the programming key provides a simple and safe copy of a sequence of input switching.
- Override control and priority control
- Temporary priority control
- Winter / summer schedule
- Up to 56 program steps: On, Off , 1 s to 30 min pulse or options
- Bar display chart of day profile
- Weekly program included
- 2 channel control
- Transmission of date and time on the bus
- Impulse cycle time setting
- Holiday mode - overrides ON or OFF between two dates
- Lithium battery with a 5-year functioning reserve
- Can be locked using the EG004 locking key
- Programmable by computer (via EG003G)

Time Switch, 2 channels

| Description | | Cat ref. |
|-----------------------|---------------------|---------------|
| KNX supply voltage | Bus 30 V DC | TXA022 |
| Consumption | 9.5 mA max (TXA022) | |
| IP | 20 | |
| Operating temperature | -5 °C to 45°C | |
| Size | 2 modules | |



TXA022

Accessories

| Description | Width | Cat ref. |
|---|-------|---------------|
| Locking key, yellow Authorization control to prevent change switch program Features: - Colour: yellow - Protection of program and operation buttons | | EG004 |
| Programming key, grey Supplied keys have been preprogrammed to "continuous close" mode. Specific programs can be installed to run on the time switch by inserting the programming key into the time switch. Features: - Colour: grey | | EG005 |
| Key storage module For storage of 3 programming locking keys | 1 mod | EG006 |
| Programming key adapter, USB computer interface for the computer programming of keys. Features: - Supplied with the required cable connection - Simple computer programming for programmable keys - Software available for download from www.hagerelectro.com.au | | EG003G |



EG004



EG006



EG003G

DIN Mount Input Devices

- Power failure detection is available to filter false alarms due to cut-off of all inputs connected on the same reference phase.
- Output states are displayed on the product.
- Outputs can be controlled manually from the product.
- Application software is used to configure the individual inputs
- The sensors associated to the inputs (push buttons, switches, automatic controls) are used to control lighting, shutters, blinds.
- The Toggle Switch function changes the status of the controlled output whenever it is operated.
- This function is used for switching lighting, blind or heating circuits ON or OFF. The command may come from switches, push buttons or automatic controls.
- This function is used to control lighting circuits using one or two buttons.
- The ON / OFF function transmits the ON / OFF object (short key-press)
- The Dimming function transmits the Dimming object (long key-press)
- This function controls a shutter or a blind using one or two push buttons.
- The Up / Down function transmits the Up / Down object (long key-press)
- The Stop / Angle function transmits the Stop / Angle object (short key-press)
- The Alarm 1 and Alarm 2 functions allow alarms coming from automatic controls to be periodically emitted (anemometer, rain detector, light sensitive switch, etc.)
- The Heating mode function is used to select a heating or air conditioning set point (Comfort, Eco, Frost protection, Absence).
- The command may come from switches, push buttons or automatic controls.
- The Value function (2 byte) is used for sending: Percentage %, Temperature °C, Luminosity level Lux, Brightness value % and Value 0-65535.
- The Scene function is used to select and storing scenes.
- The Timer function is used to switch ON or OFF a lighting circuit, shutters, heating for an adjustable time
- The Priority function allows an input to be forced to a defined status
- The Two Channel mode function allows controlling, with the same push button, two independent circuits having different functions.
- The Jamming function is used to lock an input via an object on the bus
- The power cut detection function is used for specific management of an input during a power cut, taking into account all the status changes which could occur during this period
- With programming button and red programming LED
- Bus connection via connecting terminal
- Quick Connection Terminal



TXA306

6 Channel Input Device, Universal

| Description | Width | Cat ref. |
|---|-------|---------------|
| <ul style="list-style-type: none"> - Universal input modules allow interfacing contacts free of potential or supplied with 24 - 230V AC/DC power by KNX bus - In this way, pushbuttons, switches or conventional automatic controls can become communicating devices - 6 independent channels with automatic recognition of the type of connected circuit (24 - 230V AC/DC or circuit free of potential). - It is possible to connect 5 illuminated pushbuttons per channel | 6 mod | TXA306 |

Input / Output Devices with voltage free contacts

- Power supply by Bus.
- Control of 2 LEDs.
- The modules are associated with push buttons or switches and are installed in a flush-mounted wall box of diameter 60mm and adapted depth.
- Connection length to push button and LEDs shall not exceed 5m.
- Physical addressing is done using push button and LED.
- Application software is used to configure the individual inputs of the TXB322 products.
- The products allow controlling lighting, blinds, shutters, heating and scenes.
- The Priority function sends priority-start or priority-stop commands.
- The Scene function sends group controls to different kinds of outputs to create ambiances or scenarios (leaving home scenario, reading ambience, etc.).
- The Jamming function authorizes product locking. Jamming forbids sending commands.
- The 2-channel mode function allows controlling, with the same push button, 2 independent circuits having different functions.
- LED outputs (status indication) control the lighting of standard LED signal lamps.

2-Input / 2-Output module LED (status indication)

| Description | | Cat ref. |
|----------------------------|-------------------------------|---------------|
| LED outputs specifications | I = 850 µA U = 1.8V DC | TXB322 |
| KNX supply voltage | 30V DC | |
| Busline max consumption | 15 mA | |
| Dimensions | 38 x 35 x 12 mm | |
| Degree of protection | IP 30 | |
| Operating temperature | +0 to +45°C | |
| Storage temperature | -20 to +70°C | |
| Standards | EN 60 669-2-1 NF EN 50 428 | |



- The universal input modules interface potential free contacts with KNX.
- Push buttons, switches and conventional automatisms can thus be used to drive standard LED indicators.
- Outputs can control conventional signaling LEDs.
- 2 independent channels.

4-Input / 4-Output Module LED (status indication)

| Description | | Cat ref. |
|----------------------------|-------------------------------|---------------|
| LED outputs specifications | I = 850 µA U = 1.8V DC | TXB344 |
| KNX supply voltage | 30V DC | |
| Busline max consumption | 15 mA | |
| Dimensions | 38 x 35 x 12 mm | |
| Degree of protection | IP 30 | |
| Operating temperature | +0 to +45°C | |
| Storage temperature | -20 to +70°C | |
| Standards | EN 60 669-2-1 NF EN 50 428 | |



- The universal input modules interface potential free contacts with KNX.
- Push buttons, switches and conventional automatisms can thus be used to drive standard LED indicators.
- Outputs can control conventional signaling LEDs.
- 4 independent channels.

Energy Meters

Energy meters measure the active energy used in an electric installation. They can monitor the detailed consumption within an installation to provide the consumption data between different appliances and circuits.

Technical data

- Fully compliant with EN50470-3
- Class B
- Accuracy 1%
- Energy readout: 7 digits
- Backlit display
- Indication of instantaneous power consumption
- Total/partial counter
- Pulsed output on most meters
- Unlimited saving of measurements
- LED flashing according to consumption
- Display indication in case of incorrect wiring

CTs

Current transformers (CTs) are used to feed analogue and digital ammeters, as well as kWh meters. Their current on secondary circuit (0-5A) is proportional to the current on primary circuit class: 1

- Can be mounted on copper busbar or on cable
- Can be mounted on DIN rail with adaptors

Interface TFX121

The KNX interface for TFX121 energy meters allows remote reading of data and values from single phase and three phase Hager energy meters. Through the infrared connection, the interface receives data from a Hager energy meter and transmits it via the KNX installation bus. The KNX installation bus directly powers the interface.



TFX121

KNX Meter Interface

| Description | Cat ref. |
|--------------------------------|----------|
| KNX interface for energy meter | ★ TFX121 |

Compatible with the following meters:
 ECN140D, ECP140D, ECP180D,
 ECP180T, ECP300C, ECP310D,
 ECP380D, ECR180D, ECR180T,
 ECR300C, ECR310D, ECR380D



TE370

Three Phase Energy Meter

| Description | Cat ref. |
|---|----------------------|
| Connection via current transformer with 5A on the secondary | TE370 |
| Voltage | 230/400 V AC 50/60 H |
| Starting current | 10 mA |
| Max current on CT secondary | 6A |
| Width | 4 modules |



SRI03005

Current Transformers (CTs)

| Ratio | Cat ref. |
|------------------------|----------|
| 50/5 | SRA00505 |
| 100/5 | SRA01005 |
| 150/5 | SRA01505 |
| 200/5 | SRA02005 |
| 250/5 | SRA02505 |
| 300/5 | SRI03005 |
| 400/5 | SRC04005 |
| 600/5 | SRC06005 |
| DIN rail mount for CTs | SRZH01 |

Description

The consumption indicator informs users of their consumption through 4 metering channels. It is used to monitor and control energy consumption and is built into an automatic global energy system.

- This product can be used in a single-phase or three phase installation. In three phase, consumption is measured phase by phase.
- Includes 3 current transformers and straps.

- In addition to metering, the consumption indicator also has:
 - 1 tariff input T1/T2
 - a temperature input for the connection of a probe
- It is used to display the current tariff and the energy consumption according to the current tariff. The tariff can also be distributed to other devices on the bus.
- The system can be constructed with several TE332. This makes it possible to measure one or more circuits using toroids.

- The consumption indicator is adapted for use with domovea. In this case, the display devices are:
 - meter (consumption)
 - meter (production)
 - energy
 - power
 - sub-counter (consumption)
- It can also be interfaced with the ambiance units or other display systems thanks to objects sent on the KNX bus.
- The data is sent on the KNX bus.

Consumption Indicator

Description

| | |
|------------------------------|-----------------------|
| Voltage | 230V AC +10/-15% 50Hz |
| Max. consumption on the bus: | 15mA to 30V DC |
| Dissipated output | 0.5W max. |
| Width | 6 modules |

Cat ref.
TE332



TE332

Description

For the detection of wind, precipitation, temperature and brightness to process the signals. Ensure correct orientation and free-standing installation.

Weather Station features

- With wind, precipitation, twilight, temperature and brightness sensor
- With automatic summer/winter time change-over
- With heater element for winter operation
- With red programming LED

- For control of shading systems for up to 4 facades
- Easy commissioning by means of predefined parameters
- Predefined parameters when activating heat protection function or heat recovery function
- Periodical emission for outside temperature, frost alarm, brightness, day/night mode, wind alarms and rain alarm predefined
- Three preset limit values for wind alarm

- Bus connection via connecting terminal
- With plug-in terminals for power supply
- For wall and mast assembly
- With pipe clamp for mast fixing
- The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.



TXE530

Weather Station with GPS

Description

| | |
|---------------------------------|------------------|
| Operating voltage over bus | 21 to 32 V DC |
| Auxiliary voltage | 24 V AC/DC |
| Rated current (heating incl.) | 81 mA |
| Brightness measuring range | 0 to 150000 lx |
| Temperature meas. range, linear | - 30 to + 80 °C |
| Wind speed measuring range | 0 to 35 m/s |
| Precipitation (Yes/No) | 1 bit |
| Operating temperature | - 30 to + 50 °C |
| Dimensions (W x H x D) | 96 x 77 x 118 mm |
| Weight | 170 g |

Cat ref.

TXE531

Mounting support for tebis weather station TXE530

TG353



EK088

Temperature Sensors

Description

Outdoor sensor

Cat ref.

EK088

Surge Protection Devices

- The application is recommended if:
 - The bus line is laid parallel to high-performance power lines,
 - The bus line is routed in parallel to metal installation parts that can flow through the lightning currents,
 - The bus line is used building border.

Connection Terminal

- 2 pole
- For the bus connection of the units
- Polarization
red + black -
- Can be used as branch terminal
- With plug-in terminals

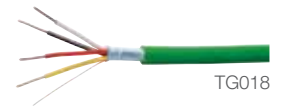
Surge Protection Device

| Description | | Cat ref. |
|-------------------------------|-------------------------------------|--------------|
| Nominal voltage | 24 V | TG029 |
| Nominal current (max.) | 3 A | |
| Nominal discharge current | 5 kA | |
| Limiting discharge | 8 kA | |
| Protection level at 100 V / S | ≤ 350 V | |
| Protection level at 1 kV / S | ≤ 500 V | |
| Response time | ≤ 100 ms | |
| Insulation resistance | > 10,000 MΩ | |
| Capacity | 1 pF | |
| Operating temperature | -25 to +80°C | |
| Bus connection | line Ø 0.8 mm, length 200 m | |
| Ground connection conductor | 0.75 mm ² , length 200 m | |



Bus Cable

| Description | Characteristics | Cat ref. |
|--|-----------------|--------------|
| EIB - Y (ST)Y 2 x 2 x 0.8 (Voltage withstanding: 4KV) | 100m | TG018 |
| | 500m | TG019 |



Connection Terminal

| Description | | Cat ref. |
|------------------------|---------------------|--------------|
| Operating temperature | -5 to +45 °C | TG008 |
| Conductor | Ø 0.6 to 0.8 mm | |
| Number of conductors | 2 x 4 | |
| Dimensions (L x W x H) | 10.2 x 11.5 x 10 mm | |



Connection Bridges

| Description | Cat ref. |
|--|---------------|
| For bridging between quick connect terminals on DIN relay devices Grey, 50 per pack | TG200B |



Switch Plate features

- Removable covers for ease of painting
- Multiple mounting holes
- Supplied with standard 32mm tapered point fixing screws

Mechanism features

- Tactile mechanism with quick fit cable plug system

Technical data

- High impact high gloss UV stabilised Polycarbonate construction

Supplied with

- Switch plate
- Tactile mechanism(s)
- Cover Plate
- Wiring loom
- Bus coupling unit(s)

Cover features

- Removable covers for ease of painting
- Hi impact high gloss UV stabilised Polycarbonate construction
- Matt Black or Matt White finish, to reduce finger printing



WBSTS2N

silhouette - Large Plate Switches with LED

| Characteristics | Available colours | Box qty | Cat ref. |
|-----------------|-------------------|---------|-------------------|
| 1 gang | ○ White | 1 | WBSTS1N |
| | ● Matt black | 1 | WBSTS1N-MB |
| | ○ Matt White | 1 | WBSTS1N-MW |
| 2 gang | ○ White | 1 | WBSTS2N |
| | ● Matt black | 1 | WBSTS2N-MB |
| | ○ Matt White | 1 | WBSTS2N-MW |
| 4 gang | ○ White | 1 | WBSTS4N |
| | ● Matt black | 1 | WBSTS4N-MB |
| | ○ Matt White | 1 | WBSTS4N-MW |
| 6 gang | ○ White | 1 | WBSTS6N |
| | ● Matt black | 1 | WBSTS6N-MB |
| | ○ Matt White | 1 | WBSTS6N-MW |



WBHTS1N

allure - Large Plate Switches with LED

| Characteristics | Available colours | Box qty | Cat ref. |
|-----------------|-------------------|---------|---------------------|
| 1 gang | ○ White | 1 | ★ WBHTS1N |
| | ● Matt black | 1 | ★ WBHTS1N-MB |
| | ○ Matt White | 1 | ★ WBHTS1N-MW |
| 2 gang | ○ White | 1 | ★ WBHTS2N |
| | ● Matt black | 1 | ★ WBHTS2N-MB |
| | ○ Matt White | 1 | ★ WBHTS2N-MW |
| 4 gang | ○ White | 1 | ★ WBHTS4N |
| | ● Matt black | 1 | ★ WBHTS4N-MB |
| | ○ Matt White | 1 | ★ WBHTS4N-MW |
| 6 gang | ○ White | 1 | ★ WBHTS6N |
| | ● Matt black | 1 | ★ WBHTS6N-MB |
| | ○ Matt White | 1 | ★ WBHTS6N-MW |



WBQTS1N

finesse - Large Plate Switches with LED

| Characteristics | Available colours | Box qty | Cat ref. |
|-----------------|-------------------|---------|---------------------|
| 1 gang | ○ White | 1 | ★ WBQTS1N |
| | ● Matt black | 1 | ★ WBQTS1N-MB |
| | ○ Matt White | 1 | ★ WBQTS1N-MW |
| 2 gang | ○ White | 1 | ★ WBQTS2N |
| | ● Matt black | 1 | ★ WBQTS2N-MB |
| | ○ Matt White | 1 | ★ WBQTS2N-MW |
| 4 gang | ○ White | 1 | ★ WBQTS4N |
| | ● Matt black | 1 | ★ WBQTS4N-MB |
| | ○ Matt White | 1 | ★ WBQTS4N-MW |
| 6 gang | ○ White | 1 | ★ WBQTS6N |
| | ● Matt black | 1 | ★ WBQTS6N-MB |
| | ○ Matt White | 1 | ★ WBQTS6N-MW |

Premium switches and sockets



Make the switch allure and finesse

As a contemporary evolution of our switches and sockets range, allure offers a beautiful aesthetic and provides ease of installation.

The architecturally inspired finesse range impresses with its minimalistic and precise design.

The refined translucent sides that surround both allure and finesse, accentuates their elegant profiles – creating a unique floating effect.