Smart home made easy

The intelligent home control system for new builds and renovations
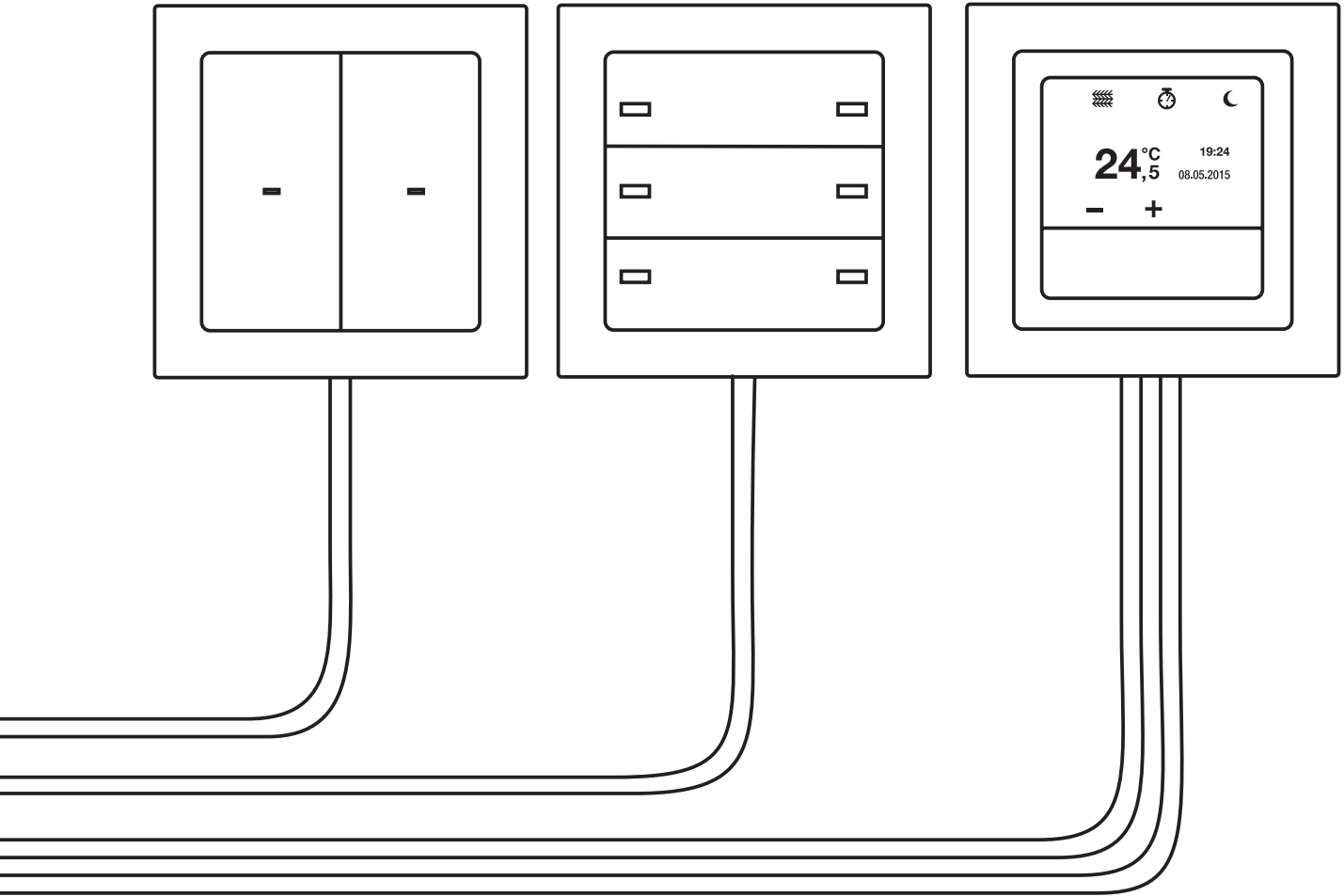
easy

:hager

the easy answer!

easy from Hager, the new home control system that provides an easy-to-use application in private residential buildings, is the answer that many electrical installers have been waiting for. It's a novel, uncomplicated, quick and inexpensive solution – but above all else, the new easy configuration software is, as its name suggests, a breeze to use. You don't need any new hardware, or costly ETS software. **Consistently simple.**

With easy, all you need is an easy configuration server, a tablet and the easy app – and once you have those, you can create simple yet effective control solutions in real time. easy allows you to work quickly and reduces the amount of time you have to spend on programming. **Intuitive configuration.**

The system makes purchasing an intelligent building management system a worthwhile choice for even the average household. Not only that, but its modular nature also allows for expansion further down the line. You can plan ahead for your customers and help them to cut costs. **Efficient control.**

easy

Hager makes
things easy
KNX system range

KNX is an established standard everywhere, and one that our whole system range is fluent in. Any easy installation can be extended using quicklink wireless solutions or imported fully into the ETS software. Hager considers it essential that each one of its customers experiences this consistent concept, and by providing it, ensures they benefit from a solution that will hold up over the long term and offer as many expansion options as possible. **Guaranteed fit for the future**.

Comparison of systems

quicklink wireless modules

–   Island solution for individual rooms
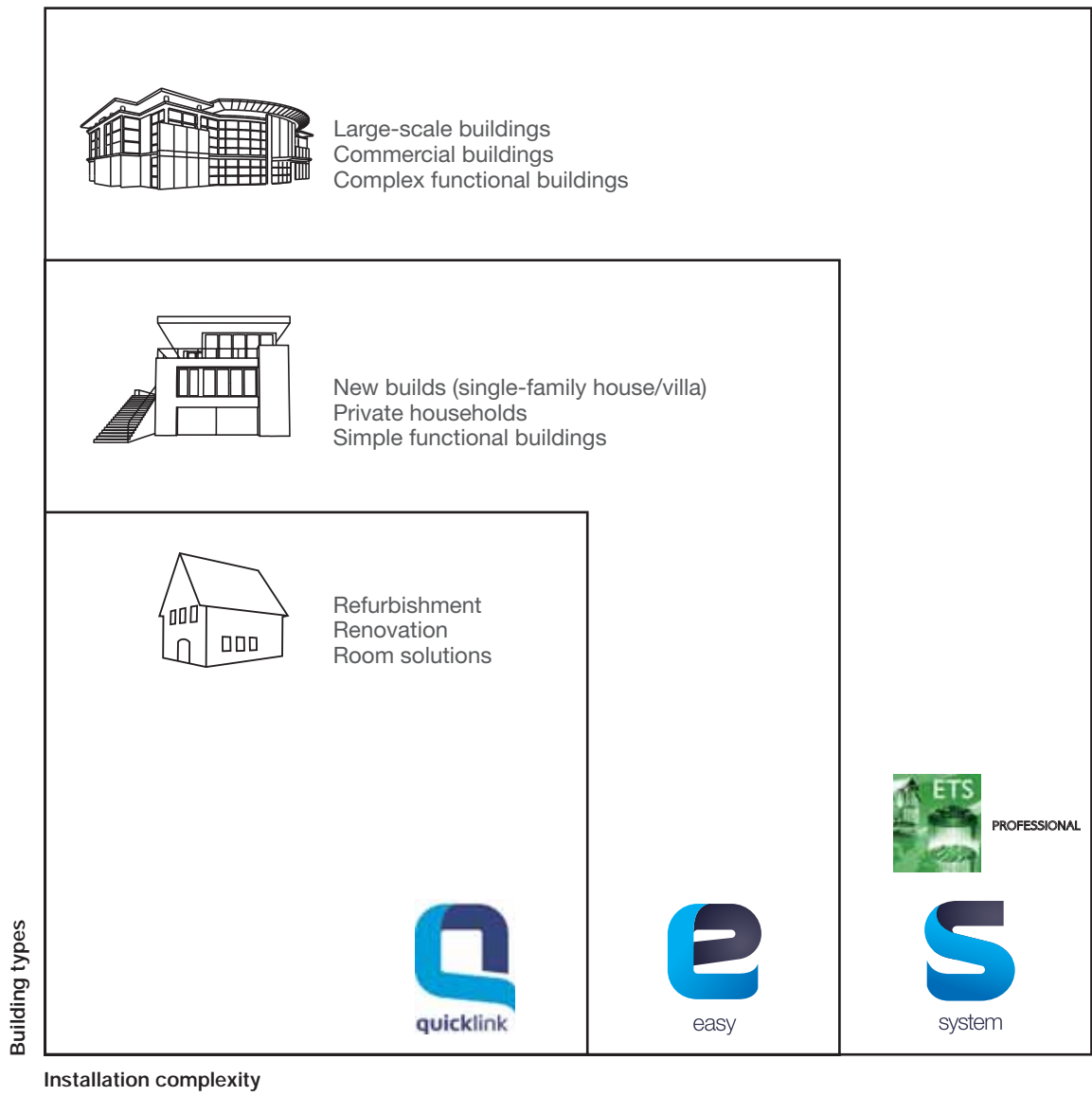
–   Retrofitting of existing buildings

easy configurations
– Complete solution for residential buildings
– Excellent functions for private households

system programming
– Premium solution for residential buildings
– Meets complex requirements of functional buildings

Building types

Large-scale buildings
Commercial buildings
Complex functional buildings

New builds (single-family house/villa)
Private households
Simple functional buildings

Refurbishment
Renovation
Room solutions

ETS
PROFESSIONAL

quicklink

easy

system

Installation complexity

Making it really easy
To create an intelligent

You can program lighting scenarios to suit your customers' wishes, allowing them to create the atmosphere they are looking for quickly and easily. **Dimming control for setting the mood.**

Design, operation and functionality at the peak of perfection. Hager makes smart home solutions an affordable option for anyone, with technology that is making inroads into average private households. Your customers are sure to love the new level of convenience it affords them. **Intelligent control centre.**

home

The system makes operating roller shutters and blinds convenient and so easy, even a child could do it. The option to shade or darken a space at the touch of a button creates more comfortable surroundings for your customers. **Raised potential**.
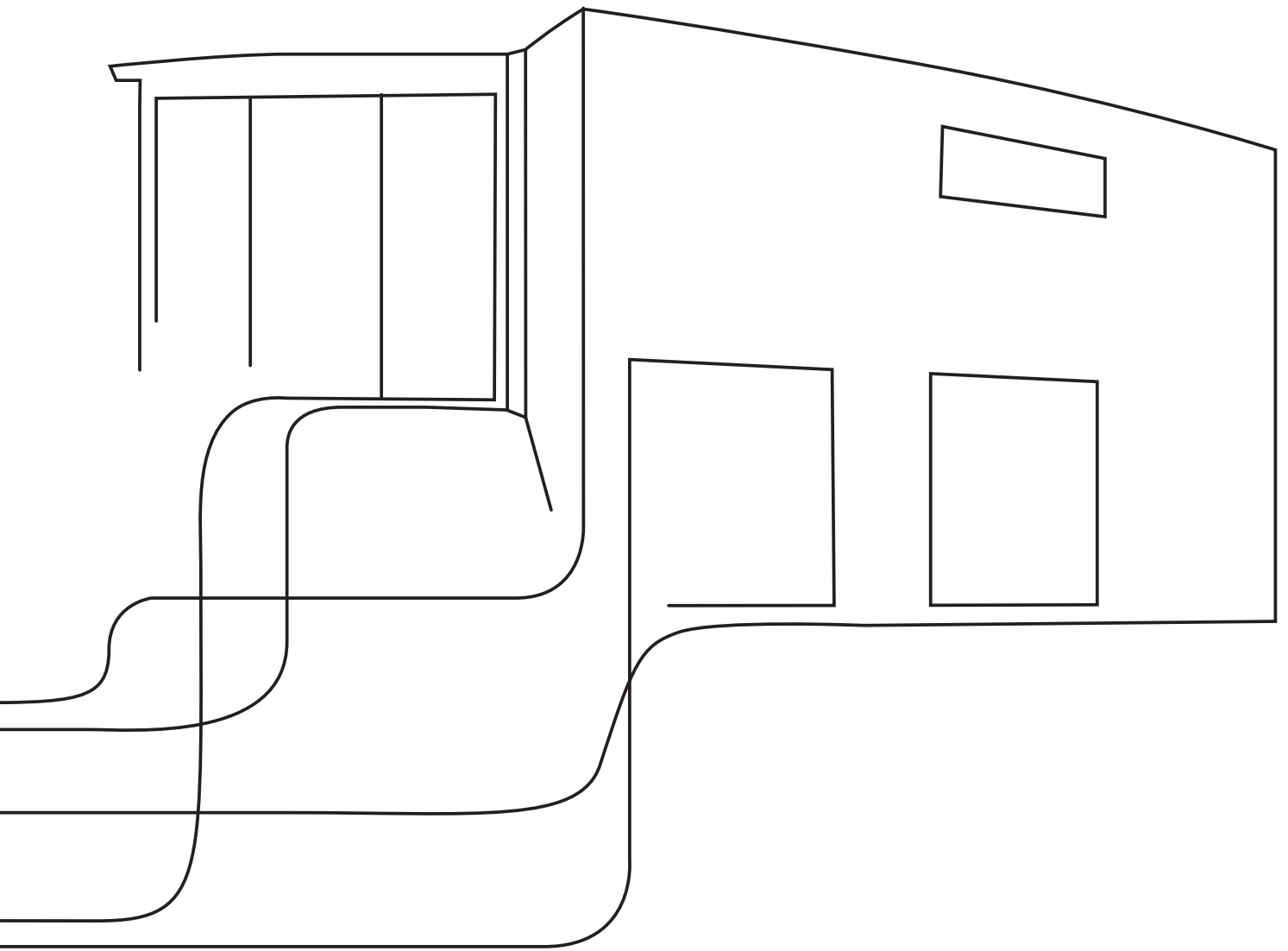
The option to switch everything off saves customers looking back over their shoulders after leaving the house. The simple control concept creates an intelligent home – even when the occupants are outside it. **Reassuring security solution**.

easy
installation

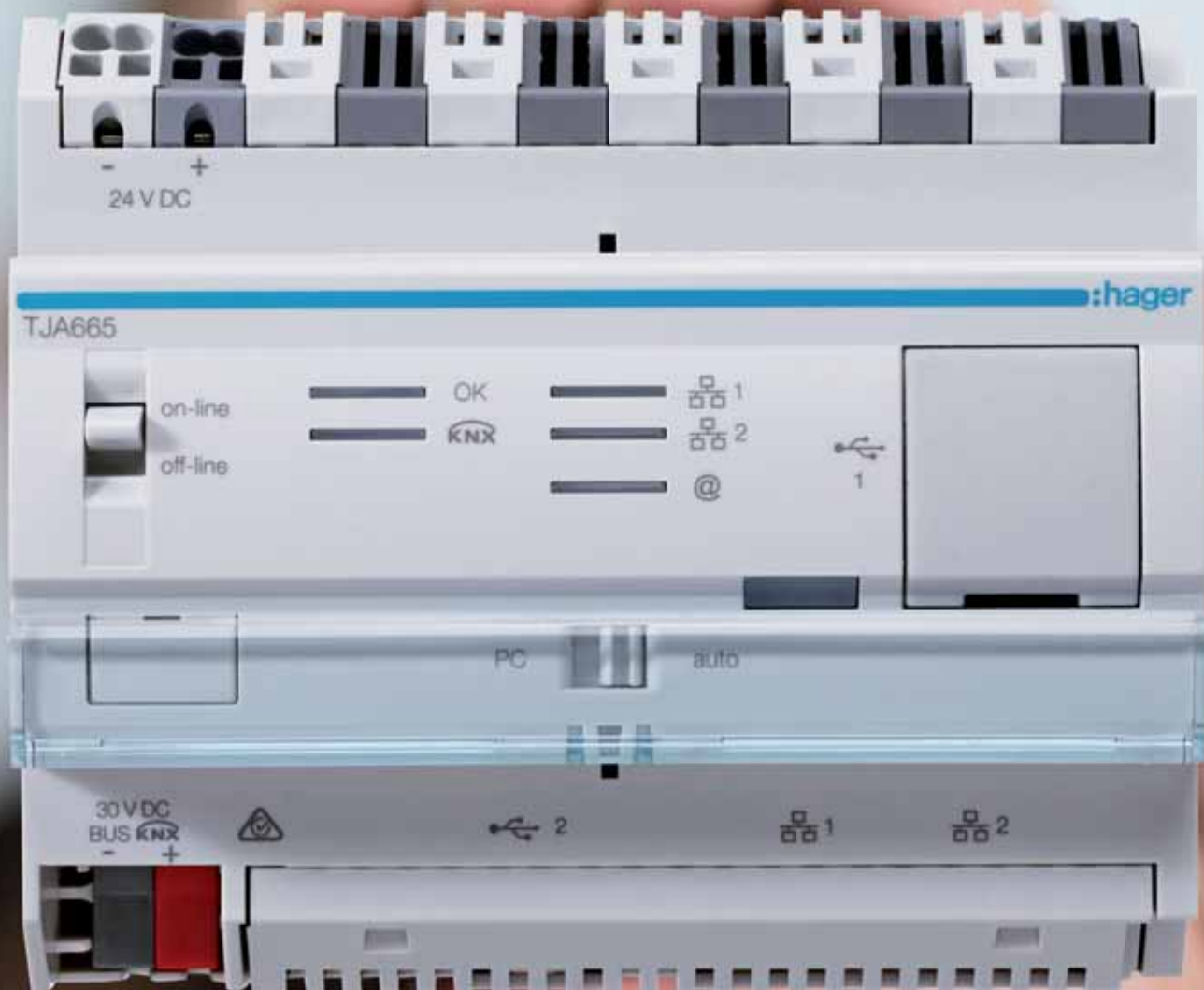– Various installation options

– Clear range of devices
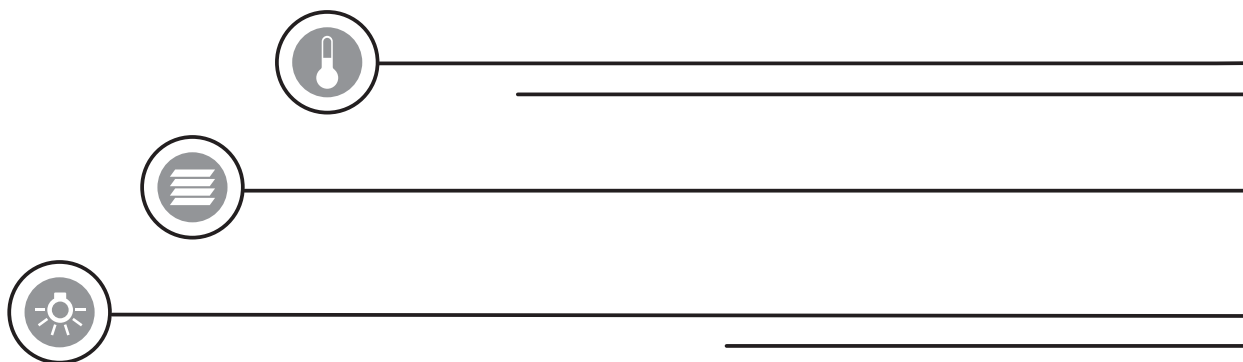
easy
installation

The easy configuration server is at the heart of the system. It is connected to the KNX system and acts as an intelligent partner during configuration. The easy configuration server forms the programming interface between the KNX installation and you while you are performing the configuration work on a tablet. Central management.

The new easy actuators are equipped with all the functions that residential buildings need – whether these involve switching lights on and off or dimming them, moving blinds, creating light scenes, or adapting to wind and weather conditions. easy systems come complete with all the security and comfort functions customers expect.

Visually speaking, the only way in which the easy actuators differ is their light-grey operation buttons – and inside the system, the easy functionality is virtually the sole difference.
Whether customers want to switch lights on and off and move blinds using combination actuators, or dim state-of-the-art lighting using dim actuators, easy actuators are capable of all this and more.

The new flush-mounted switching outputs are available as 1gang and 2gang switching outputs (in two versions). The 1gang output can be used for all types of lighting control – meaning not just switching lights on and off, but time, override, logic and scene functions too. With the 2gang output, there is the option of controlling two lighting circuits, a roller shutter/blind motor or a fan (2-stage activation).

A new feature comes in the form of the actuators that have been specifically developed for project business, which accommodate a high number of channels at an attractive price. In the 16gang and 20gang versions for lighting and blinds, as well as the 12gang versions for blinds at 230 V, they combine a large number of channels within a small space.

easy
products

A place in the sun

The new easy actuators feature not only multifunctional binary outputs, but also specialist KNX blind outputs. Together with the new GPS weather station, this makes it possible to create a variety of comfort scenarios – including gradual roller shutter motions or blind slats that rotate in line with the sun. This both creates a more comfortable atmosphere for users and reduces lighting and heating costs.

KNX weather station with GPS

The new weather station, featuring a GPS antenna, measures precipitation, temperature, wind speed and the sun's position with accuracy. Based on this information, convenient shade and heat protection functions – such as position tracking and sun tracking – can be configured for up to four building facades.

This allows blinds to be used for cooling in summer and sunlight to be used for heating in winter. It is also possible to program a rain, frost and wind alarm, with 3 stages in each case. The date, time and exact location coordinates are received via the GPS signal, and the station switches from summer to winter time automatically. The easy visualisation concept allows advanced functions to be added, such as set-point settings, process logic and timers. The weather station is mounted horizontally on the outer wall, enabling the sensors to detect sun, wind and rain without obstructions.

KNX blind outputs

Five easy actuators with an option of 4, 8 or – a new addition – 12 outputs are available for activating roller shutter and blind motors. The 12gang output can normally be used to control any kind of shutters found in a small bungalow. The 12gang output is supplied with 230 V. Depending on the rated voltage of the roller shutter and blind motors, the 4gang and 8gang outputs are available for either 230 V or a 24 V extra-low voltage.

easy
configuration

– State-of-the-art technology

– Automatic detection and reading-in of all KNX devices via the intelligent easy software

– Automatic connection via WLAN
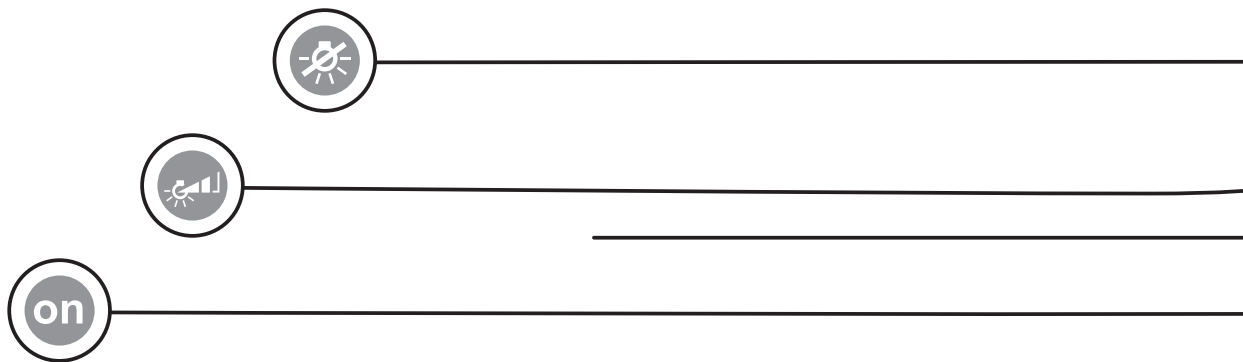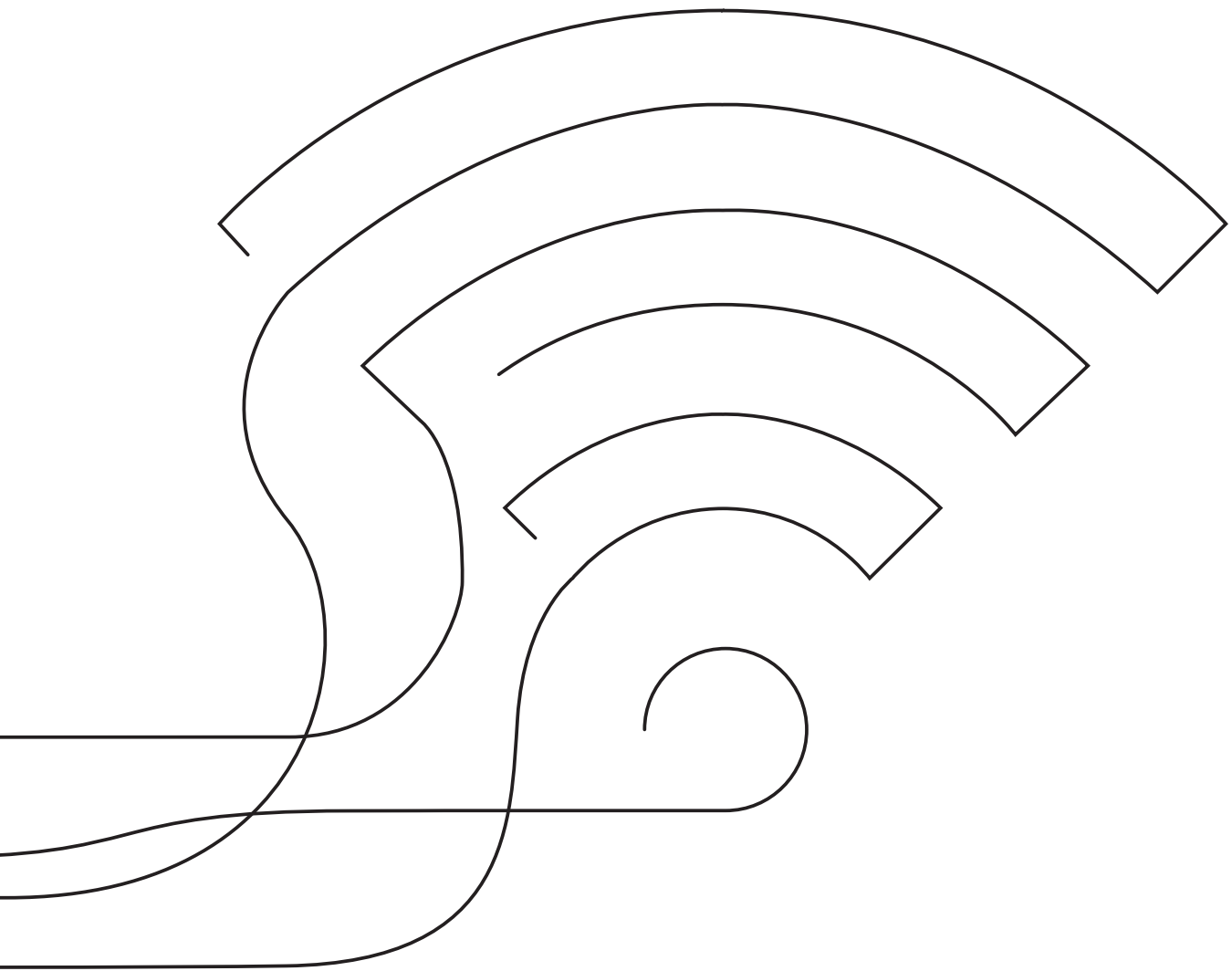
easy
configuration

KNX easy provides an intuitive means of configuring KNX systems. Just connect to the new easy service tool wirelessly using a tablet – and from that point, everything practically runs itself. **Brilliantly simple**.

Step 1: Reading in

Once you have created a new project, activate the 'Start discovery' function. All the KNX products installed in the system, plus their inputs and outputs, will now be read in and listed according to their number. The software distinguishes between wired and radio products. This allows you to check whether all the installed devices have been detected.
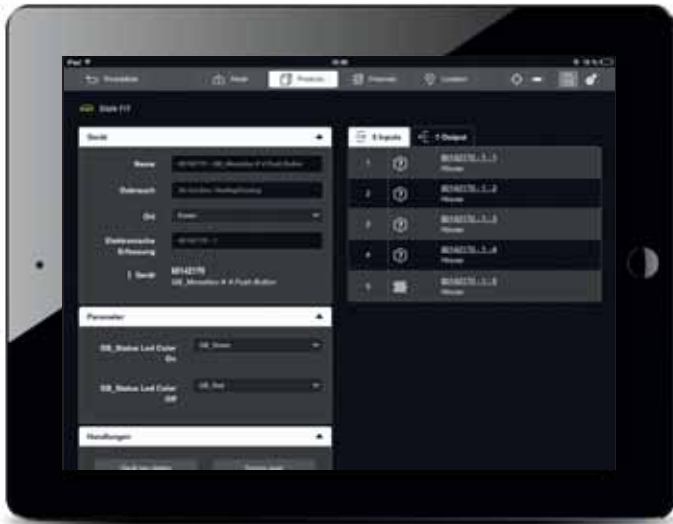
Step 2: Labelling

easy speaks in plain language – meaning no abbreviated forms and no codes! You start by creating a simple name for the building, then giving names to each individual room and assigning the rooms to each floor. The next step is to label all the KNX products with all the inputs and outputs. Once the individual functions and their parameters have been defined, the inputs and outputs are assigned to the rooms that have been created.

Step 3: Linking

You now select the inputs and outputs you require using the touchscreen function. You can simultaneously select multiple inputs and outputs that you wish to link. A filter function makes it possible to create quick and simple links for group switching, for instance.

Once you have selected the channels to be linked, press the 'Link' symbol.
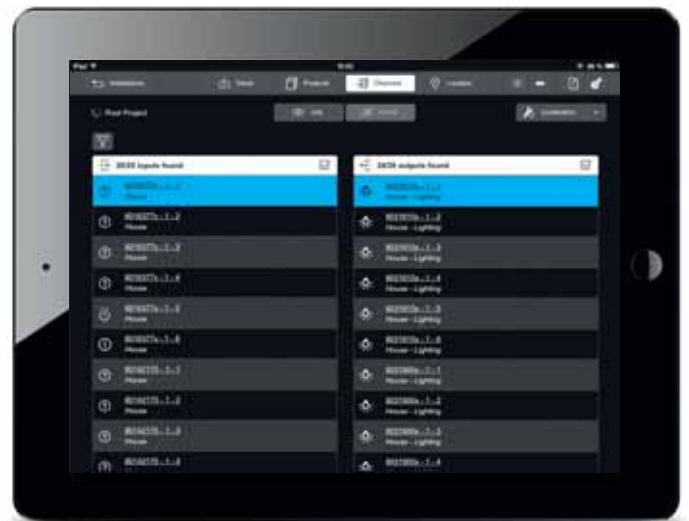
Step 4: Function

The final step involves choosing the appropriate function. You may want the button to switch the lighting on or off, for example – but whatever the case, a whole range of KNX functions is available for selection. Once you have selected the function, operation can start immediately.

easy
visualisation

– Intuitive operation

– Attractive interface showing full building structure

– In-depth control and evaluation options
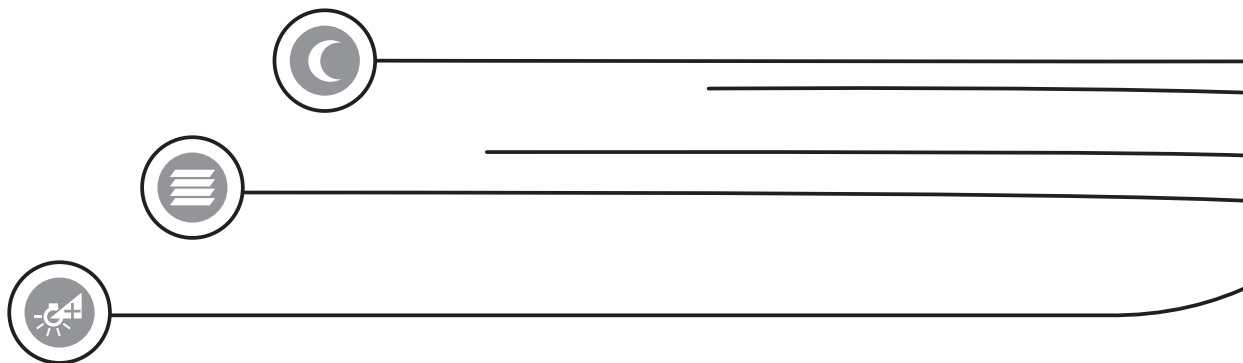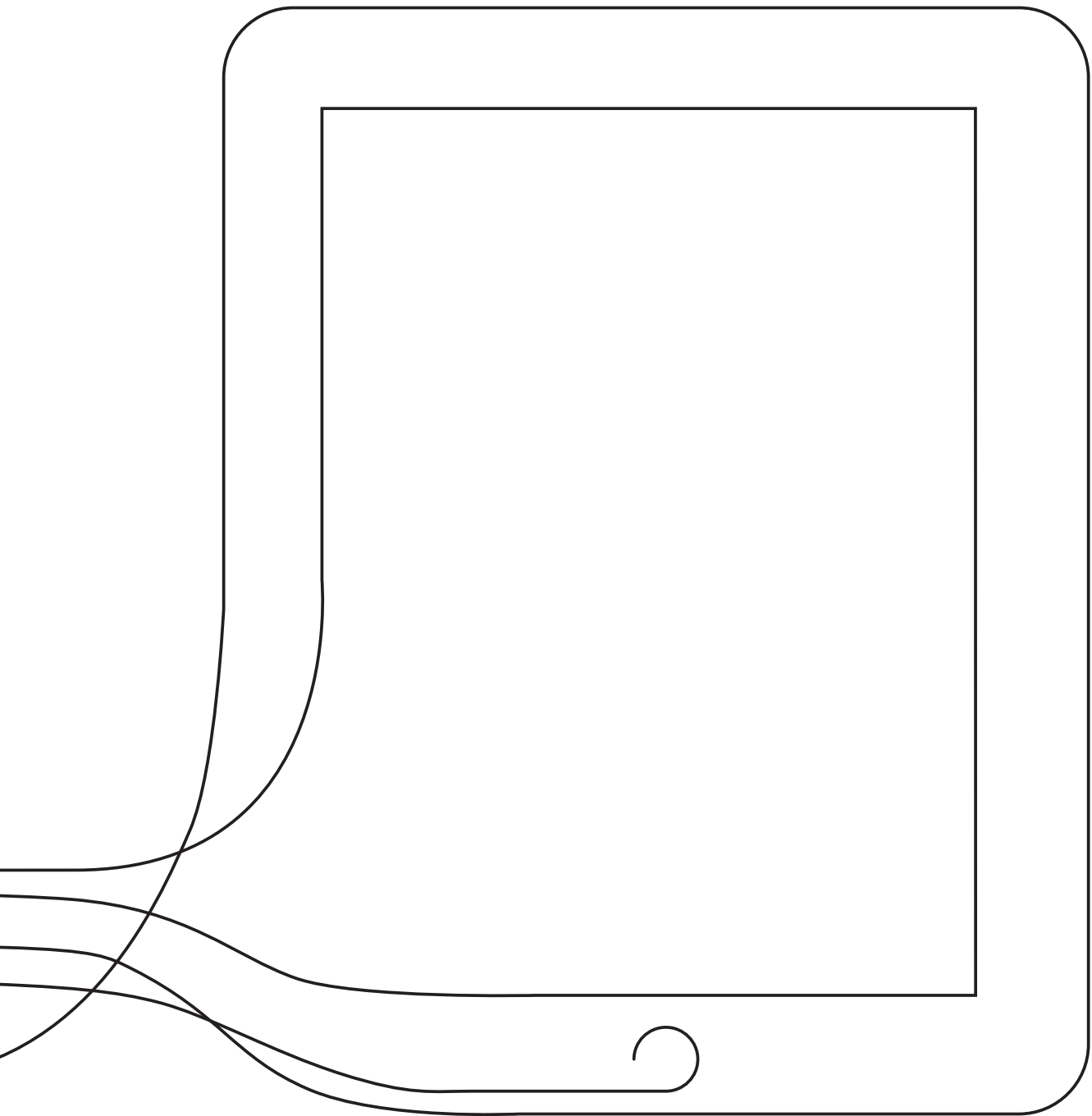
easy
visualisation

You've installed and configured the system – so now what? Your customers will undoubtedly want to establish the right setting for their building's architecture or create different lighting atmospheres for their home – all in next to no time and at the touch of a button. It's also likely that they are looking for a secure way of monitoring their property, even when they're away from it. Above all else, however, they are bound to want a tool for controlling their costs, which provides substantiated information, shows where potential savings can be made, and can be adjusted to ensure maximum efficiency and cost-effectiveness. **Clever solutions**.

The entire easy configuration can be imported into the domovea server via a USB stick. It is just as simple to read easy data into the ETS software later on, where it can be used to create more complex control functions.
Import data.

The visualisation provides scope for further customisation, allowing personalised background images and symbols to be uploaded – and thus creating a unique user interface.
Beautifully personal.

The system can be controlled using a PC, tablet, smart-phone or the domovea Internet portal. For even better ease of use, there is the new touch panel range too.
Convenient control.
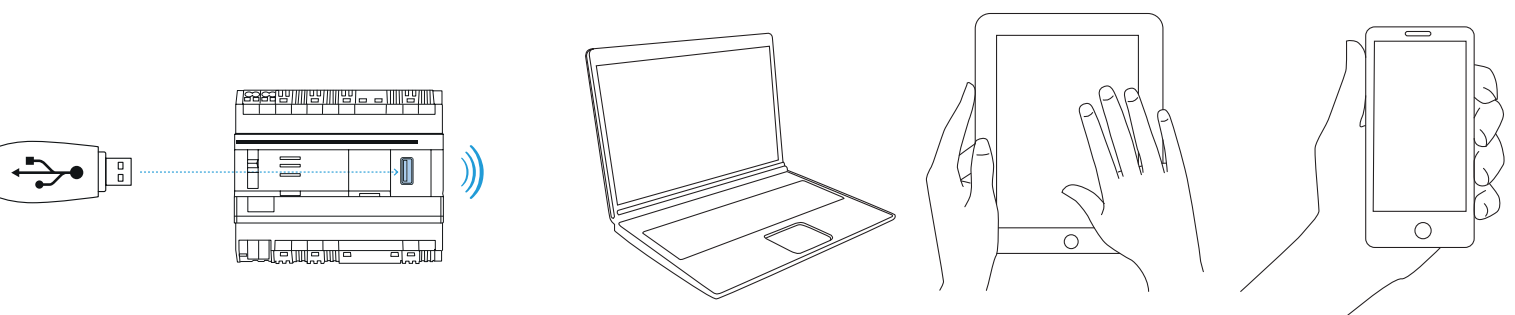
easy
operation

– New KNX sensors

– Familiar design lines

– Intelligent control

– Exceptionally convenient operation
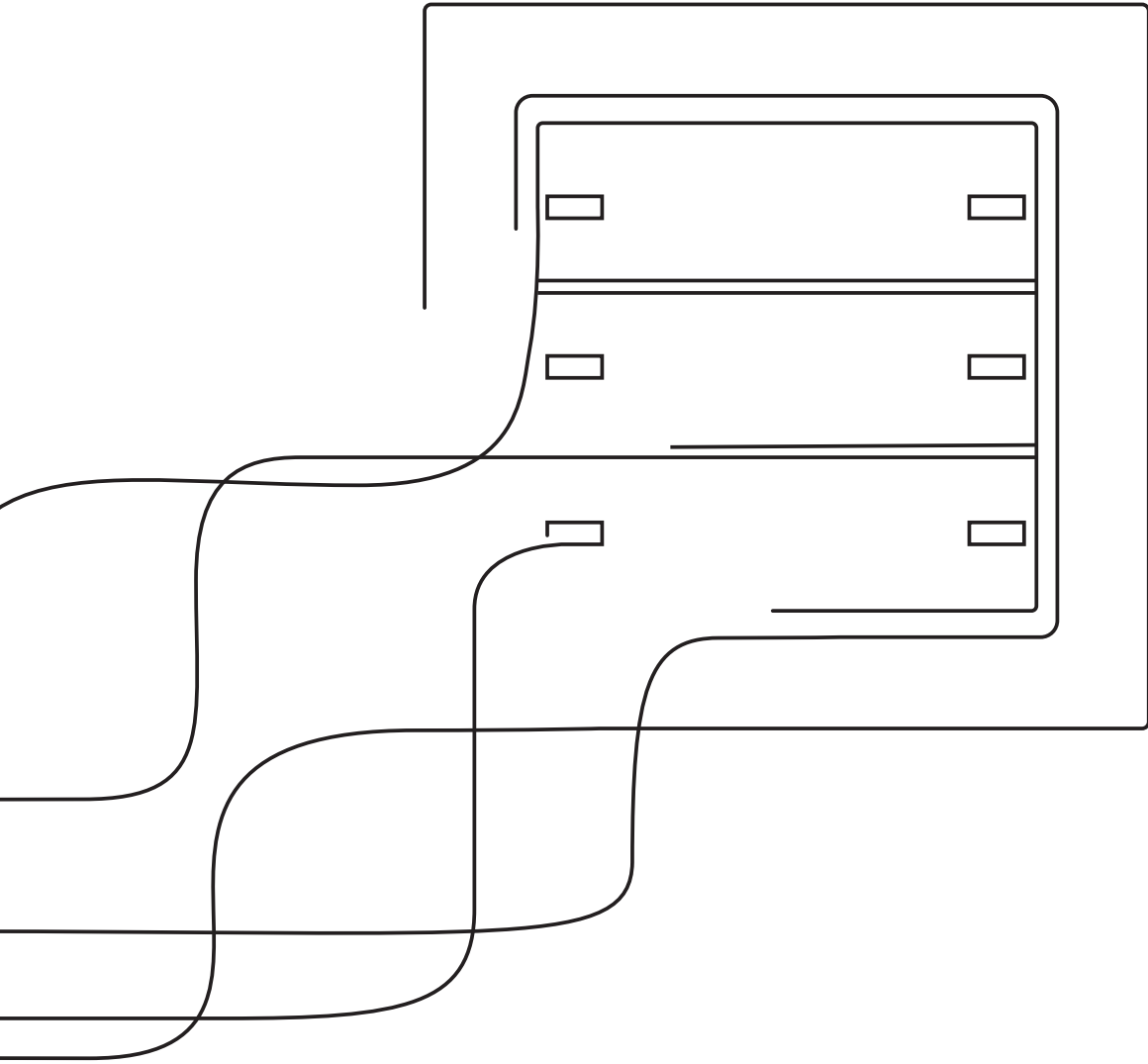
easy
operation

The new KNX sensors from Berker provide the perfect partners to easy actuators. Their design lines might be familiar, but they have a new stand-out feature – a reimagined sensibility. This allows customers to find the perfect solution to suit any need – from the attractively priced push-button option to the dimmable push-button, all the way through to the intuitive room controller. All the sensors can be combined with one another. **A versatile selection**.
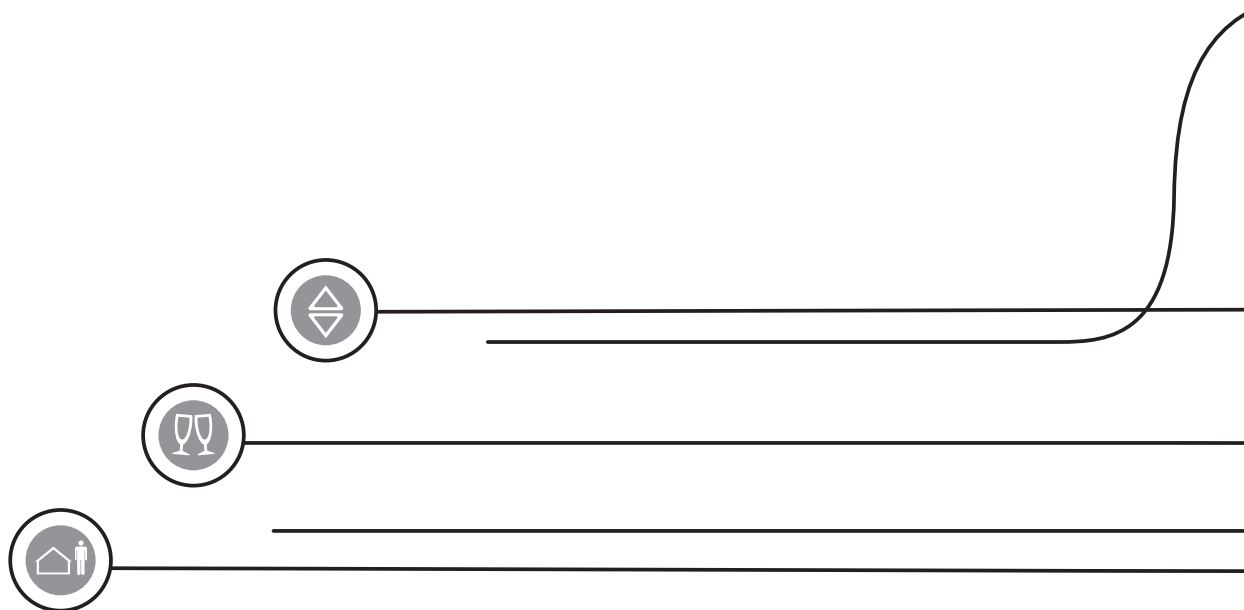
Switch, illuminate, protect

The new KNX push-buttons with integrated BCU (bus coupling unit) appear so simple from the outside, but are so smart on the inside: they easily connect to the in-house KNX system via the integrated bus coupling unit. Rockers in the centre allow the upper and lower push-button areas to be assigned separate functions. The 1gang push-button is able to trigger two control commands and the 2gang push-button four control commands. Each rocker has a status LED that also serves as orientation lighting. The LED colour can be customised as red, green or blue as well. And to stop any sticky fingers making off with such an appealing item, the push-button module and supporting ring can be bolted firmly together – the perfect thief deterrent.

New:
1gang to 4gang KNX push-button

Switch on your senses. The new Berker KNX push-buttons make it possible to produce entire scenes and logic combinations. Users are also invited to use their senses of vision, hearing and touch, thanks to LEDs that can be dimmed in any required RGB colour combination, an integrated buzzer that can be felt when it is activated via the easy configuration, and a built-in temperature sensor to which a second sensor can be connected if required – for underfloor heating, to take one example.
Available in the design lines S, B, Q, K and R in all standard colours.

KNX®

KNX room thermostat and room controller

The new Berker KNX room thermostat and room controller make an impact not once, but twice – thanks both to their attractive design and to their innovative operating concept featuring the wipe-and-type function that is exclusive to Berker. Simply wipe along the sensor strip and tap to select from a whole range of building functions. **Beautifully smart**.

Product
overview

KNX Operating systems

Push-buttons for standard and comfort ranges

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Bus application unit flush-mounted

– external temperature sensor

| °C |

Operating voltage over bus   21 ... 32 V=
Operating temperature   - 5 ... + 45 °C
Insertion depth   32 mm

– with programming button and red programming LED
– additional connection for external temperature sensor
– with integrated buzzer for acoustic identification of the device within the system
– bus connection via connecting terminal
– with spreader claws

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100
Temperature sensor	EK090

Design	Order no.	PU
Bus application unit flush-mounted	**8004 00 01**	1
Bus application unit flush-mounted	**8004 00 11**	1

Push-button 1gang

– labelling field
– RGB LED
– internal temperature sensor

| Licht Flur | ✳ | °C |

Power consumption, KNX   ≈ 150 mW
Operating temperature   - 5 ... + 45 °C
Current consumption   20 mA

Use only in conjunction with bus coupling unit flush-mounted
(order no.: 8004 00 x1)!

– with white operating LED
– Status LED configurable in 6 colours
– brightness value of the status LED for day/night-time operation preset, status LED for day/night-time operation can be controlled via object
– Operation LED can be configured via object
– Operating concepts for button function and "roller shutter/blind function" predefined
– Button functions: Switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter definable lock function
– Function for incremental selection of up to 7 stored values
– Function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

Suitable for	Order no.
Bus application unit flush-mounted	8004 00 ..
optional	
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	**8016 17 80**	1
for anthracite and aluminium [1]	**8016 17 85**	1

Push-button 2gang

– labelling fields
– RGB LED
– internal temperature sensor

| Light Flux | ☀ | °C |

Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted
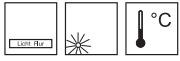(order no.: 8004 00 x1)!

– with 2 status LEDs per rocker
– with white operating LED
– Status LED configurable in 6 colours
– brightness value of the status LED for day/night-time operation preset, status LED for day/night-time operation can be controlled via object
– Operation LED can be configured via object
– Operating concepts for button function and "roller shutter/blind function" predefined
– Button functions: Switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter definable lock function
– Function for incremental selection of up to 7 stored values
– Function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

Suitable for	Order no.
Bus application unit flush-mounted	8004 00 ..
optional	
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	**8016 27 80**	1
for anthracite and aluminium [1]	**8016 27 85**	1

[1] Labelling field length (W x H): 52.3 x 24.9 mm

Push-button 3gang

– labelling fields
– RGB LED
– horizontal operation

Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted
(order no.: 8004 00 x1)!

– with 2 status LEDs per rocker
– with white operating LED
– Status LED configurable in 6 colours
– brightness value of the status LED for day/night-time operation preset, status LED for day/night-time operation can be controlled via object
– Operation LED can be configured via object
– Operating concepts for button function and "roller shutter/blind function" predefined
– Button functions: Switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter definable lock function
– Function for incremental selection of up to 7 stored values
– Function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

Suitable for	Order no.
Bus application unit flush-mounted	8004 00 ..
optional	
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	**8016 37 80**	1
for anthracite and aluminium [1]	**8016 37 85**	1

[1] Labelling field length (W x H): 52.3 x 15.6 mm
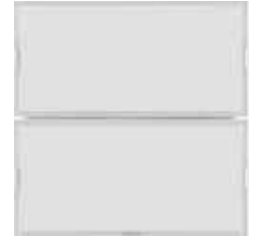
Push-button 4gang

– labelling fields
– RGB LED
– internal temperature sensor
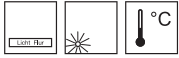
Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted
(order no.: 8004 00 x1)!
In the design line S.1/B.x and K.x only use in conjunction with a frame with large cut-out!

– with 2 status LEDs per rocker
– with white operating LED
– Status LED configurable in 6 colours
– brightness value of the status LED for day/night-time operation preset, status LED for day/night-time operation can be controlled via object
– Operation LED can be configured via object
– Operating concepts for button function and "roller shutter/blind function" predefined
– Button functions: Switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter definable lock function
– Function for incremental selection of up to 7 stored values
– Function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

Suitable for	Order no.
Bus application unit flush-mounted	8004 00 ..
optional	
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	**8016 47 80**	1
for anthracite and aluminium [1]	**8016 47 85**	1

[1] Labelling field length (W x H): 52.3 x 24.9 mm

Push-button modules

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Push-button module 1gang

– RGB LED
– internal temperature sensor
– integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Current consumption	10 mA
Operating temperature	- 5 ... + 45 °C
Insertion depth	32 mm

– Status LED configurable in 6 colours
– brightness value of the status LED for day/night-time operation preset, status LED for day/night-time operation can be controlled via object
– Operation LED can be configured via object
– Operating concepts for button function and "roller shutter/blind function" predefined
– Push-button functions: Switching, dimming, roller shutter/blind, value transmitter 2 byte, thermostat, scene, priority
– value transmitter for temperature values 2 byte
– parameter definable lock function
– Function for manual interruption of automatic functions already triggered
– with programming button and red programming LED
– integrated temperature sensor with output of the measured values via object
– with integrated bus coupling unit
– bus connection via connecting terminal
– with anti-dismantling protection
– with integrated buzzer for acoustic identification of the device within the system

Suitable for	Order no.
Cover for 1gang for push-button module	8096 02 ..
optional	
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100
Temperature sensor	EK090 ..

Design	Order no.	PU
Berker S.1/B.3/B.7		
Push-button module 1gang	**8014 11 80**	1

Cover for 1gang for push-button module

– clear lens

– with clear lens for RGB status display of the push-button module

Suitable for	Order no.
Push-button module 1gang	8014 11 ..

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8096 02 82**	1
polar white glossy	**8096 02 89**	1
polar white, matt, plastic	**8096 02 99**	1
anthracite, matt	**8096 02 85**	1
aluminium, matt, lacquered	**8096 02 83**	1

Push-button module 2gang

– RGB LED
– internal temperature sensor
– integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Current consumption	10 mA
Operating temperature	- 5 ... + 45 °C
Insertion depth	32 mm

– Status LED configurable in 6 colours
– brightness value of the status LED for day/night-time operation preset, status LED for day/night-time operation can be controlled via object
– Operation LED can be configured via object
– Operating concepts for button function and "roller shutter/blind function" predefined
– Push-button functions: Switching, dimming, roller shutter/blind, value transmitter 2 byte, thermostat, scene, priority
– value transmitter for temperature values 2 byte
– parameter definable lock function
– Function for manual interruption of automatic functions already triggered
– with programming button and red programming LED
– integrated temperature sensor with output of the measured values via object
– with integrated bus coupling unit
– bus connection via connecting terminal
– with anti-dismantling protection
  with integrated buzzer for acoustic identification of the device within the system

Suitable for	Order no.
Cover for 2gang for push-button module	8096 03 ..
optional	
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100
Temperature sensor	EK090 ..

Design	Order no.	PU
Berker S.1/B.3/B.7		
Push-button module 2gang	**8014 21 80**	1

Cover for 2gang for push-button module

– clear lenses

– with 2 clear lenses for the RGB status display of the push-button module

Suitable for	Order no.
Push-button module 2gang	8014 21 ..

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8096 03 82**	1
polar white glossy	**8096 03 89**	1
polar white, matt, plastic	**8096 03 99**	1
anthracite, matt	**8096 03 85**	1
aluminium, matt, lacquered	**8096 03 83**	1

Berker S.1 frames

Frame

Design	Order no.	PU
Frame 1gang, white glossy, 1gang	**1011 89 82**	1

Frame

Design	Order no.	PU
Frame 1gang, polar white glossy, 1gang	**1011 89 89**	1

Frame

Design	Order no.	PU
Frame 1gang, anthracite matt, 1gang	**1011 99 49**	1

Frame

Design	Order no.	PU
Frame 1gang, aluminium matt, 1gang	**1011 99 39**	1

Frame

– for emphasising special switches, socket outlets, etc.
– for vertical and horizontal mounting

Design	Order no.	PU
Frame 1gang, red glossy, 1gang	**1011 89 62**	1

Data is subject to errors and technical modifications.

Frame with large cut-out

– For vertical mounting
– Not suitable for surface-mounted housing.

Frame with large cut-out

Design	Order no.	PU
white glossy	**1309 89 82**	1

Frame with large cut-out

Design	Order no.	PU
polar white glossy	**1309 89 89**	1
polar white matt	**1309 99 09**	1

Frame with large cut-out

Design	Order no.	PU
anthracite matt	**1309 99 49**	1

Frame with large cut-out

Design	Order no.	PU
aluminium matt	**1309 99 39**	1

Berker B.3 frames

– For vertical and horizontal mounting
– Metal, aluminum profile

Frame

Design	Order no.	PU
Aluminium/polar white matt, aluminium anodised, 1gang	**1011 39 04**	1

Frame

Design	Order no.	PU
aluminium/anthracite matt, aluminium anodised, 1gang	**1011 30 04**	1

Frame

Design	Order no.	PU
Aluminium black/polar white matt, aluminium anodised, 1gang	**1011 30 25**	1

Frame

Design	Order no.	PU
Aluminium black/anthracite matt, aluminium anodised, 1gang	**1011 30 05**	1

Frame

Design	Order no.	PU
Aluminium brown/polar white matt, aluminium anodised, 1gang	**1011 30 21**	1

Frame

Design	Order no.	PU
Aluminium brown/anthracite matt, aluminium anodised, 1gang	**1011 30 01**	1

Frame

Design	Order no.	PU
Aluminium red/polar white matt, aluminium anodised, 1gang	**1011 30 22**	1

Frame

Design	Order no.	PU
Aluminium red/anthracite matt, aluminium anodised, 1gang	**1011 30 12**	1
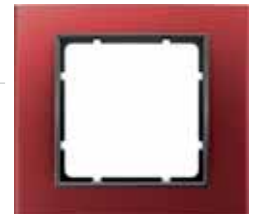
Frame

Design	Order no.	PU
Aluminium gold/polar white matt, aluminium anodised, 1gang	**1011 30 46**	1

Frame

Design	Order no.	PU
Aluminium gold/anthracite matt, aluminium anodised, 1gang	**1011 30 16**	1

Frame with large cut-out

– For vertical mounting
– Metal, aluminum profile
– Not suitable for surface-mounted housing.

Frame with large cut-out

Design	Order no.	PU
Aluminium/polar white matt, aluminium anodised	**1309 39 04**	1

Frame with large cut-out

Design	Order no.	PU
aluminium/anthracite matt, aluminium anodised	**1309 30 04**	1

Frame with large cut-out

Design	Order no.	PU
Aluminium black/polar white matt, aluminium anodised	**1309 30 25**	1

Frame with large cut-out

Design	Order no.	PU
Aluminium black/anthracite matt, aluminium anodised	**1309 30 05**	1

Frame with large cut-out

Design	Order no.	PU
Aluminium brown/polar white matt, aluminium anodised	**1309 30 21**	1

Frame with large cut-out

Design	Order no.	PU
Aluminium brown/anthracite matt, aluminium anodised	**1309 30 01**	1

Frame with large cut-out

Design	Order no.	PU
Aluminium red/polar white matt, aluminium anodised	**1309 30 22**	1

Frame with large cut-out

Design	Order no.	PU
Aluminium red/anthracite matt, aluminium anodised	**1309 30 12**	1

Frame with large cut-out

Design	Order no.	PU
Aluminium gold/polar white matt, aluminium anodised	**1309 30 46**	1
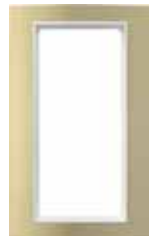
Frame with large cut-out

Design	Order no.	PU
Aluminium gold/anthracite matt, aluminium anodised	**1309 30 16**	1

Berker B.7 frames

– Not suitable for surface-mounted housing
– For vertical and horizontal mounting
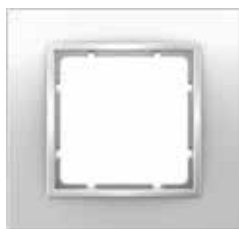
Frame

– plastic

Design	Order no.	PU
polar white matt, 1gang	**1011 69 19**	1

Frame

– plastic

Design	Order no.	PU
anthracite matt, 1gang	**1011 66 26**	1

Frame

– plastic

Design	Order no.	PU
aluminium matt, lacquered, 1gang	**1011 64 24**	1

Frame

– metal, aluminum profile anodized

Design	Order no.	PU
Aluminium/polar white matt, aluminium anodised, 1gang	**1011 69 14**	1

Frame

– metal, aluminum profile anodized

Design	Order no.	PU
aluminium/anthracite matt, aluminium anodised, 1gang	**1011 69 04**	1

Frame

metal, stainless steel, brushed

Design	Order no.	PU
Stainless steel/polar white matt, metal brushed, 1gang	**1011 36 09**	1

Frame

– metal, stainless steel, brushed

Design	Order no.	PU
Stainless steel/anthracite matt, metal brushed, 1gang	**1011 36 06**	1

Frame

– toughened glass

Design	Order no.	PU
glass polar white/polar white matt, 1gang	**1011 69 09**	1

Frame

– toughened glass

Design	Order no.	PU
glass black/anthracite matt, 1gang	**1011 66 16**	1

:hager

Frame

– toughened glass

Design	Order no.	PU
glass aluminium/aluminium matt, lacquered, 1gang	**1011 64 14**	1

Frame with large cut-out

– For vertical mounting
– Not suitable for surface-mounted housing.

Frame with large cut-out

– plastic

Design	Order no.	PU
polar white matt, lacquered	**1309 69 19**	1

Frame with large cut-out

– plastic

Design	Order no.	PU
anthracite matt, lacquered	**1309 66 26**	1

Frame with large cut-out

– plastic

Design	Order no.	PU
aluminium matt, lacquered	**1309 64 24**	1

Frame with large cut-out

– metal, aluminum profile anodized

Design	Order no.	PU
Aluminium/polar white matt, aluminium anodised	**1309 69 14**	1

Frame with large cut-out

– metal, aluminum profile anodized

Design	Order no.	PU
aluminium/anthracite matt, aluminium anodised	**1309 69 04**	1

Frame with large cut-out

– stainless steel surface, brushed transversely

Design	Order no.	PU
Stainless steel/polar white matt, metal brushed	**1309 36 09**	1

Frame with large cut-out

– stainless steel surface, brushed transversely

Design	Order no.	PU
Stainless steel/anthracite matt, metal brushed	**1309 36 06**	1

Glass frame with large cut-out

– toughened glass

Design	Order no.	PU
glass polar white/polar white matt	**1309 36 06**	1

Glass frame with large cut-out

– toughened glass

Design	Order no.	PU
glass black/anthracite matt	**1309 66 16**	1

Glass frame with large cut-out

– toughened glass

Design	Order no.	PU
glass aluminium/aluminium matt, lacquered	**1309 64 14**	1

systo tebis
wired pushbuttons

systo tebis offers a unique combination between the embedded intelligence and design. It has the ability to easily integrate KNX functions at the heart of your projects. systo tebis wired pushbuttons allow you to assign a LED colour to a function, refine the energy efficiency of a building, condition the use of controls based on defined criteria, and identify control points in the dark.

01

One product, 3 functions

- control
- measures temperature
- visualisation

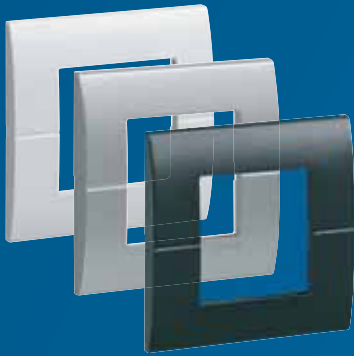## 02

Scalability

2, 4 or 6 buttons : you can easily change the number of buttons on a switch to add more functions without rewiring

03

Status feedback

Status feedback given by 6 LED colours

04

3 colours available

3 colours available
White, titanium, black to suit all environments

05

IR sensor optional

06

Adaptable backlight

Adaptable backlight setting

Bus mechanisms

Wired systo tebis mechanisms are mounted in a WS4xx frame. The connection is made using two wires on the bus. Functions are freely programmable and modifiable.

Composition: The mechanisms are supplied ready for use.

	Description	Characteristics	Colour	Cat ref.
WST302	**Mechanisms for pushbutton KNX bus functions :** - On/Off, change - up/down - forcing, scenarios - temperature probe - signalling, status feedback 9 colours	supply: Bus 30 V DC		
	2 buttons		white	**WST302**
			black	**WST302N**
			silver	**WST302T**
WST304	4 buttons		white	**WST304**
			black	**WST304N**
			silver	**WST304T**
	6 buttons		white	**WST306**
			black	**WST306N**
			silver	**WST306T**
WST306	2 LED buttons	LED status indication	white	**WST312**
			black	**WST312N**
			silver	**WST312T**
	4 LED buttons	LED status indication	white	**WST314**
			black	**WST314N**
			silver	**WST314T**
	6 LED buttons	LED status indication	white	**WST316**
WST316			black	**WST316N**
			silver	**WST316T**

Data is subject to errors and technical modifications.

Infrared bus mechanisms

Wired systo tebis mechanisms are mounted in a WS4xx frame. The connection is made using two wires on the bus. Functions are freely programmable and modifiable.

Composition: The mechanisms are delivered ready to use

It is possible to control a tebis tebis installation with most universal remotes.

Description	Characteristics	Colour	Cat. ref.
Mechanisms for pushbutton KNX bus infrared	supply : Bus 30 V DC		
functions :			
- On/Off, change			
- up/down			
- forcing, scenarios			
- temperature probe			
- signaling, status feedback 9 colours			
2 buttons + 12 infrared inputs		white	**WST322**
		black	**WST322N**
		silver	**WST322T**
4 buttons + 12 infrared inputs		white	**WST324**
		black	**WST324N**
		silver	**WST324T**

WST322

WST324

Plate clips

UV resistant material with an anti-static surface. Adjustable to the millimeter thanks to clipping notches. Extracting slots on the sides.

	Description	Characteristics	PU	Cat. ref.
WS401	**White plates**	dim. : 80 x 80 mm	1	**WS401**
WS401T	**Aluminium plates**	dim. : 80 x 80 mm	1	**WS401T**
WS401N	**Black plates**	dim. : 80 x 80 mm	1	**WS401N**

Frames

For use with 45 x 45
mechanisms.

Glow wire tests according to
TNF EN 60695-2

Description	Characteristics	PU	Cat ref.
Frames		1	**WS450Y**

WS450Y

sollysta - decorative
Grid switches & accessories

- Complies with
  BS EN 606691-1 switches,
  BS 5733 fuse carrier.
- Shallowest switch modules for
  ease of installation.

- Modules clip from the front for
  ease of installation and
  maintenance.
- Terminal screw can be
  accessed with modules
  clipped into frames.

- Frames locate to finished wall
  level.
- Frames clip to ease alignment
  for 6 gang and 8 gang
  applications.

- WR references supplied with
  M3.5x30mm long fixing screws.
- WF references supplied with
  M3.5x20mm long fixing screws.

WMGS13R

| Grid Central Off Switch Series | Retractive | |
	White	Black
20A 2 Way Retractive Switch	WMGS22R	-
2 Way & Centre Off Grid Swith	WMGS13R	WMGS13RB
2 Way & Centre Off / Red Rocker	WMGS13RR	-

sollysta - decorative
Grid plates

WMGP3

Plate Finish	White Moulded
Raised Plate	
1 Gang Grid Plate	WMGP1
2 Gang Grid Plate	WMGP2
3 Gang Grid Plate	WMGP3
4 Gang Grid Plate	WMGP4
6 Gang (2 X 3) Grid Plate	WMGP6
8 Gang (2 X 4) Grid Plate	WMGP8

WFGP1PS

WRGP12BS

Plate Finish		Polished Steel	
Raised Plate			
1 Gang Grid Plate		WRGP1PS	
2 Gang Grid Plate		WRGP2PS	
3 Gang Grid Plate		WRGP3PS	
4 Gang Grid Plate		WRGP4PS	
6 Gang (2 X 3) Grid Plate		WRGP6PS	
8 Gang (2 X 4) Grid Plate		WRGP8PS	
12 Gang (3 X 4) Grid Plate		WRGP12PS	
Flat Plate			
1 Gang Grid Plate		WFGP1PS	
2 Gang Grid Plate		WFGP2PS	
3 Gang Grid Plate		WFGP3PS	
4 Gang Grid Plate		WFGP4PS	
6 Gang (2 X 3) Grid Plate		WFGP6PS	
8 Gang (2 X 4) Grid Plate		WFGP8PS	
12 Gang (3 X 4) Grid Plate		WFGP12PS	
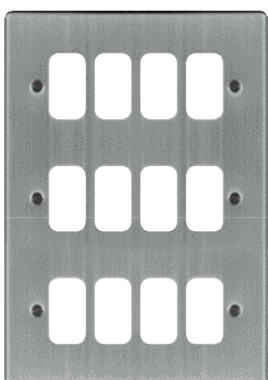
Frame Size	1 Gang Frame	2 Gang Frame	3 / 4 Gang Frame
Frames for White Moulded and Decorative Raised Plate ranges	**WMGF1**	**WMGF2**	**WMGF34**
Frames for Decorative Flat Plate ranges	**WFGF1**	**WFGF2**	**WFGF34**

WMGF34

	Brushed Steel	Black Nickel
	WRGP1BS	**WRGP1BN**
	WRGP2BS	**WRGP2BN**
	WRGP3BS	**WRGP3BN**
	WRGP4BS	**WRGP4BN**
	WRGP6BS	**WRGP6BN**
	WRGP8BS	**WRGP8BN**
	WRGP12BS	**WRGP12BN**
	WFGP1BS	**WFGP1BN**
	WFGP2BS	**WFGP2BN**
	WFGP3BS	**WFGP3BN**
	WFGP4BS	**WFGP4BN**
	WFGP6BS	**WFGP6BN**
	WFGP8BS	**WFGP8BN**
	WFGP12BS	**WFGP12BN**

KNX thermostat

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

KNX thermostat

– display
– integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V=
Energy efficiency class	IV (2%)
TFT screen size	1.93"
Operating temperature	- 5 ... + 45 °C
Dimensions of display (W x H)	38.3 x 30.3 mm
Insertion depth	32 mm

– for individual single room temperature control
– control parameter for heating / cooling unit pre-set
– operating mode heating, cooling or heating/cooling can be selected
– Comfort, standby, night-time reduction, frost/heat protection operating mode switchable via scene
– Switching PI-control (PWM) or switching 2-point control can be selected
– Heating type warm water heating, warm water underfloor heating, electric heating, electric underfloor heating or split unit can be selected
– Cooling type cooling ceiling, convector fan or split unit can be selected
– switching of up to 64 scenes possible
– with keylock
– with holiday switching
– with frost protection function
– additional connection for external temperature sensor
– Temperature measurement via internal, external temperature sensor or via object and their mean value formation
– Temperature adjustable for comfort, standby and night-time reduction
– operation via sensitive Touch control surface
– to display and initiate actions
– display of operating mode, controller lockout, room/outside temperature, time
– screen-savers
– TFT colour display with symbol display
– time and date display
– Menu guidance in DE/EN/FR/NL/IT/ES/PT/PL/DK/SV/FI/NO/TR
– with integrated bus coupling unit
– bus connection via connecting terminal
– with spreader claws

Suitable for	Order no.
Cover for KNX thermostats and room controllers	8096 01 ..
KNX power supply 2 x 320 mA + 24 V DC, 640 mA RMD	TXA114
Electrical power supply 24 V DC RMD	TGA200
optional	
KNX system package commissioning tool easy link RMD	TXA100
KNX Configuration server easy link RMD	TJA665
Temperature sensor	EK090

Design	Order no.	PU
KNX thermostat	**8044 01 00**	1

KNX room controller

– display
– integrated bus coupling unit

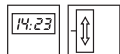| Operating voltage over bus | 21 ... 32 V= |
Auxiliary voltage	24 V=
Energy efficiency class	IV (2%)
TFT screen size	1.93"
Operating temperature	- 5 ... + 45 °C
Dimensions of display (W x H)	38.3 x 30.3 mm
Insertion depth	32 mm

– for individual single room temperature control
– control parameter for heating / cooling unit pre-set
– operating mode heating, cooling or heating/cooling can be selected
– Comfort, standby, night-time reduction, frost/heat protection operating mode switchable via scene
– Switching PI-control (PWM) or switching 2-point control can be selected
– Heating type warm water heating, warm water underfloor heating, electric heating, electric underfloor heating or split unit can be selected
– Cooling type cooling ceiling, convector fan or split unit can be selected
– Push-button functions: Switching, dimming, roller shutter/blind, value transmitter 2 byte, thermostat, scene, priority
– switching of up to 64 scenes possible
– with keylock
– with holiday switching
– with frost protection function
– Function for manual interruption of automatic functions already triggered
– additional connection for external temperature sensor
– Temperature measurement via internal, external temperature sensor or via object and their mean value formation
– Temperature adjustable for comfort, standby and night-time reduction
– operation via sensitive Touch control surface
– to display and initiate actions
– display of operating mode, controller lockout, room/outside temperature, time
– screen-savers
– TFT colour display with symbol display
– time and date display
– Menu guidance in DE/EN/FR/NL/IT/ES/PT/PL/DK/SV/FI/NO/TR
– with integrated bus coupling unit
– bus connection via connecting terminal
– with spreader claws

Suitable for	Order no.
Cover for KNX thermostats and room controllers	8096 01 ..
KNX power supply 2 x 320 mA + 24 V DC, 640 mA RMD	TXA114
Electrical power supply 24 V DC RMD	TGA200
optional	
KNX system package commissioning tool easy link RMD	TXA100
KNX Configuration server easy link RMD	TJA665
Temperature sensor	EK090

Design	Order no.	PU
KNX room controller	**8066 01 00**	1

Cover for KNX thermostats and room controllers

Suitable for	Order no.
KNX thermostat	8044 01 00
KNX room controller	8066 01 00

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8096 01 82**	1
polar white glossy	**8096 01 89**	1
polar white, matt, plastic	**8096 01 80**	1
anthracite, matt	**8096 01 85**	1
aluminium matt, lacquered	**8096 01 83**	1

Touch Panel

Touch Panel 7" Android

Power over Ethernet (PoE)	18 ... 48 V=
Auxiliary voltage	18 ... 48 V=
Power consumption	< 10 W
TFT screen size	7"
Light intensity	300 cd/m²
Transmission rate Ethernet	max. 10/100 Mbit/s
Processor	1 GHz
RAM	512 MB
Operating temperature	+ 5 ... + 45 °C
Dimensions (W x H x D)	189.7 x 125.7 x 48.3 mm
Assembling height	12 mm

PoE power supply according to IEEE 802.3af Class 3 possible without audio applications.

– for display of preconfigured functions, measured values and data
– suitable for vertical and horizontal domovea visualisation
– depending on the software visualisation one and two surface operation, stepless configuration based on sliding and page scrolling by swiping are supported
– multi-touch function for the connection of multiple actions, e.g. to activate a function with simultaneous setting of a function value
– Display illumination can be switched on automatically using brightness sensor
– Connection to KNX system possible via a local server e.g. the domovea server
– external applications (Apps) available in pre-installed Android launcher
– Integration of door communication functions in the domovea client or Elcom VideoFON client
– silent, long-lasting convection cooling without fan
– RJ45 Port for LAN connection
– card slot with 8 GB SDHC card
– Microphone and loudspeaker with echo suppression
– with USB/Mini USB type A adapter cable
– with RJ45 connector kit from connector and patch cable
– Mini-USB 2.0 jack e.g. for external storage media or updates on the upper display edge is accessible without dismantling
– 2 USB 2.0 connections on the rear
– for flush mounting and hollow-wall mounting
– for vertical and horizontal mounting

Suitable for	Order no.
Housing flush-mounted for WDI07x	WDW070
Housing flush-mounted for WDI07x, flush-to-wall	WDW071
optional	
Electrical power supply 24 V DC RMD	TGA200
domovea Server incl. software RMD	TJA450
domovea system package RMD	TJA451

Design	Order no.	PU
anthracite, 7"	**WDI070**	1

Touch Panel 10" Android

Power over Ethernet (PoE)	18 ... 48 V=
Auxiliary voltage	18 ... 48 V=
Power consumption	< 10 W
TFT screen size	10"
Light intensity	300 cd/m²
Transmission rate Ethernet	max. 10/100 Mbit/s
Processor	1 GHz
RAM	512 MB
Operating temperature	+ 5 ... + 45 °C
Dimensions (W x H x D)	259.4 x 177 x 67.5 mm
Assembling height	10 mm

PoE power supply according to IEEE 802.3af Class 3
possible without audio applications.

– for display of preconfigured functions, measured
values and data
– suitable for horizontal domovea visualisation
– depending on the software visualisation one and two
surface operation, stepless configuration based on
sliding and page scrolling by swiping are supported
– multi-touch function for the connection of multiple
actions, e.g. to activate a function with simultaneous
setting of a function value
– Display illumination can be switched on automatically
using brightness sensor
– Connection to KNX system possible via a local server
e.g. the domovea server
– external applications (Apps) available in pre-installed
Android launcher
– Integration of door communication functions in the
domovea client or Elcom VideoFON client
– silent, long-lasting convection cooling without fan
– RJ45 Port for LAN connection
– card slot with 8 GB SDHC card
– Microphone and loudspeaker with echo suppression
– with USB/Mini USB type A adapter cable
– with RJ45 connector kit from connector and patch
cable
– Mini-USB 2.0 jack e.g. for external storage media or
updates on the upper display edge is accessible with-
out dismantling
– 2 USB 2.0 connections on the rear
– for flush mounting and hollow-wall mounting
– for horizontal mounting

Suitable for	Order no.
Housing flush-mounted for WDI10x	WDW100
Housing flush-mounted for WDI10x, flush-to-wall	WDW101
optional	
Electrical power supply 24 V DC RMD	TGA200
domovea Server incl. software RMD	TJA450
domovea system package RMD	TJA451

Design	Order no.	PU
anthracite, 10"	**WDI100**	1

Touch Panel 10" Windows

Auxiliary voltage	24 V=
Power consumption	max. 20 W
TFT screen size	10"
Light intensity	300 cd/m²
Transmission rate Ethernet	max. 1000 Mbit/s
Processor	2 x 1 GHz
RAM	2 GB
Operating temperature	+ 5 ... + 35 °C
Dimensions (W x H x D)	259.4 x 177 x 67.5 mm
Assembling height	10 mm

PoE power supply according to IEEE 802.3af Class 3 possible without audio applications.

– for display of preconfigured functions, measured values and data
– signal and operating panel with touch-sensitive TFT colour display in 16:9 format
– suitable for horizontal domovea visualisation
– depending on the software visualisation one and two surface operation, stepless configuration based on sliding and page scrolling by swiping are supported
– multi-touch function for the connection of multiple actions, e.g. to activate a function with simultaneous setting of a function value
– disabling function for cleaning the user interface
– Display illumination can be switched on automatically using brightness sensor
– Connection to KNX system possible via a local server e.g. the domovea server
– Visualisation for Berker IP-Control via browser
– integrated PC with Windows embedded operating system
– Integration of door communication functions in the Elcom VideoFON client
– silent, long-lasting convection cooling without fan
– 2 RJ45 Ports for LAN connection
– internal memory of 64 GB SSD present
– Microphone and loudspeaker with echo suppression
– with USB/Mini USB type A adapter cable
– with RJ45 connector kit from connector and patch cable
– Mini-USB 2.0 jack e.g. for external storage media or updates on the upper display edge is accessible without dismantling
– 2 USB 2.0 connections on the rear
– additional connection for Serial RS232
– RJ45 cable in scope of delivery
– for flush mounting and hollow-wall mounting
– for horizontal mounting

Suitable for	Order no.
Housing flush-mounted for WDI10x	WDW100
Housing flush-mounted for WDI10x, flush-to-wall	WDW101
optional	
Electrical power supply 24 V DC RMD	TGA200
domovea Server incl. software RMD	TJA450
domovea system package RMD	TJA451

Design	Order no.	PU
anthracite, 10"	**WDI101**	1

:hager

Touch Panel 16" Windows

Auxiliary voltage	24 V=
Power consumption	max. 20 W
TFT screen size	16"
Light intensity	220 cd/m²
Transmission rate Ethernet	max. 1000 Mbit/s
Processor	2 x 1 GHz
RAM	2 GB
Operating temperature	+ 5 ... + 35 °C
Dimensions (W x H x D)	377.4 x 231.8 x 66.4 mm
Assembling height	11 mm

PoE power supply according to IEEE 802.3af Class 3 possible without audio applications.

– for display of preconfigured functions, measured values and data
– signal and operating panel with touch-sensitive TFT colour display in 16:9 format
– suitable for horizontal domovea visualisation
– depending on the software visualisation one and two surface operation, stepless configuration based on sliding and page scrolling by swiping are supported
– multi-touch function for the connection of multiple actions, e.g. to activate a function with simultaneous setting of a function value
– disabling function for cleaning the user interface
– Display illumination can be switched on automatically using brightness sensor
– Connection to KNX system possible via a local server e.g. the domovea server
– Visualisation for Berker IP-Control via browser
– integrated PC with Windows embedded operating system
– Integration of door communication functions in the Elcom VideoFON client
– silent, long-lasting convection cooling without fan
– 2 RJ45 Ports for LAN connection
– internal memory of 32 GB SSD present
– Microphone and loudspeaker with echo suppression
– with USB/Mini USB type A adapter cable
– with RJ45 connector kit from connector and patch cable
– Mini-USB 2.0 jack e.g. for external storage media or updates on the upper display edge is accessible without dismantling
– 2 USB 2.0 connections on the rear
– additional connection for Serial RS232
– RJ45 cable in scope of delivery
– for flush mounting and hollow-wall mounting
– for horizontal mounting

Suitable for	Order no.
Housing flush-mounted for WDI16x	WDW160
Housing flush-mounted for WDI16x, flush-to-wall	WDW161
optional	
Electrical power supply 24 V DC RMD	TGA200
domovea Server incl. software RMD	TJA450
domovea system package RMD	TJA451

Design	Order no.	PU
anthracite, 16"	**WDI161**	1

Flush-mounted housing

– for installation of a Touch Panel
– with cleaning cover
– for flush mounting and hollow-wall mounting
– for vertical and horizontal mounting

Design	Order no.	PU
Housing flush-mounted for WDI07x, anthracite, lacquered [1]	**WDW070**	1
Housing flush-mounted for WDI10x, anthracite, lacquered [2]	**WDW100**	1
Housing flush-mounted for WDI16x, anthracite, lacquered [3]	**WDW160**	1

[1] Dimensions (W x H x D): 190 x 126 x 47 mm, cavity wall opening (W x H x D): 182 x 117 x 47 mm
[2] Dimensions (W x H x D): 260 x 177 x 64 mm, cavity wall opening (W x H x D): 252 x 169 x 64 mm
[3] Dimensions (W x H x D): 378 x 233 x 64 mm, cavity wall opening (W x H x D): 370 x 225 x 64 mm

Flush-mounted housing, flush-to-wall

– for flush-to-wall installation of a Touch Panel
– with Push-to-open mechanism for comfortable mounting
– with cleaning cover
– for flush mounting and hollow-wall mounting
– for vertical and horizontal mounting

Design	Order no.	PU
Housing flush-mounted for WDI07x, flush-to-wall, anthracite, lacquered [1]	**WDW071**	1
Housing flush-mounted for WDI10x, flush-to-wall, anthracite, lacquered [2]	**WDW101**	1
Housing flush-mounted for WDI16x, flush-to-wall, anthracite, lacquered [3]	**WDW161**	1

[1] Dimensions (W x H x D): 197.7 x 133.6 x 74 mm, cavity wall opening (W x H x D): 197.7 x 133.6 x 74 mm
[2] Dimensions (W x H x D): 269 x 186 x 74 mm, cavity wall opening (W x H x D): 269 x 186 x 74 mm
[3] Dimensions (W x H x D): 387 x 242 x 74 mm, cavity wall opening (W x H x D): 387 x 242 x 74 mm

domovea

domovea Server incl. software RMD

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V=
Current consumption (operation)	≈ 150 mA
Power consumption (operation)	≈ 1.5 W
RAM	128 MB
Graphics memory	≈ 20 MB
Processor	400 MHz
Width of rail mounted device (RMD)	6 modules

Central operating and visualisation unit for KNX installations via client software.

– for control and visualisation of e.g. shutters, lights, heating, ventilation, alarm system, sensors
– creation of max. 50 sequences from different actions
– user interface can be configured individually for each room with special background images
– KNX server to supply up to 30 visualisation clients simultaneously with KNX data
– configuration tool for installation of IP settings and parameterisations
– with configuration and client software on USB stick
– with status LEDs for LAN status, operational stand-by and connection status to web portal
– creation of light scenes
– creation of measured value archives and energy consumption visualisation with KNX energy meters
– managing up to 30 users with different access rights
– software update via USB interface on the device
– integration of max. 10 network cameras
– RJ45 Port for LAN connection
– bus connection via connecting terminal
– with RJ45 connection for Ethernet/IP networks
– with QuickConnect plug-in terminals
– Large labelling field
– Selection switcandroidh for online/offline mode
– with integrated bus coupling unit

Suitable for	Order no.
Electrical power supply 24 V DC RMD	TGA200 ..
Touch Panel 10" Android	WDI1 ..
Touch Panel 7" Android	WDI070 ..

Manufacturer product line	Art. No.
KNX energy meters	
Hager	

Design	Order no.	PU
Light grey matt	**TJA450**	1

domovea basic with easy and IoT

Powered via bus via bus	21–32 V DC
Auxiliary voltage	24 V DC
Ethernet data rate	Max. 2 x 100/1000 Mbit / s
Operating temperature	- 5 ... 45 ° C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (fixed)	0.75 ... 2.5 mm²
Width of rail mounted device (RMD)	6 Modules

- with integrated basic domovea
- Integration of IoT applications (Amazon Echo, Sonos, Phillips Hue, Netatmo weather station Google Home, IFTTT) possible
- Selector for online / offline operation
- Integration of two IP cameras

- with green and red status LEDs for LAN status, operational readiness, KNX status and gateway connection
- Voltage supply via PoE or 24 VDC
- 2 RJ45 ports for LAN connection
- with 2 USB sockets, type B, USB 2.0 compliant
- With label area
- with integrated bus coupler
- Bus connection via connecting terminal
- Quick Connect plug-in terminals
- Knowledge of network technology is required for commissioning
- System Requirements: Windows 7, Android 6, ios 11.

Design	Order no.	PU
domovea basic with easy and IoT	**TJA670**	1

domovea expert with easy and IoT

Powered via bus via bus	21–32 V DC
Auxiliary voltage	24 V DC
Ethernet data rate	Max. 2 x 100/1000 Mbit / s
Operating temperature	- 5 ... 45 ° C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (fixed)	0.75 ... 2.5 mm²
Width of rail mounted device (RMD)	6 Modules

- with integrated basic domovea
- Integration of IoT applications (Amazon Echo, Sonos, Phillips Hue, Netatmo weather station Google Home, IFTTT) possible
- Selector for online / offline operation
- Integration of 50 IP cameras

- Advanced sequences
- Local and remote access
- Thermostat regulation
- with green and red status LEDs for LAN status, operational readiness, KNX status and gateway connection
- Voltage supply via PoE or 24 VDC
- 2 RJ45 ports for LAN connection
- with 2 USB sockets, type B, USB 2.0 compliant
- With label area
- with integrated bus coupler
- Bus connection via connecting terminal
- Quick Connect plug-in terminals
- Knowledge of network technology is required for commissioning
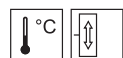- System Requirements: Windows 7, Android 6, ios 11.

Design	Order no.	PU
domovea expert with easy and IoT	**TJA470**	1

KNX motion detector

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

KNX motion detector module 1.1 m

– internal temperature sensor
– integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Current consumption KNX	max. 10 mA
Nominal mounting height	1.1 m
Delay time, adjustable	10 s ... 30 min
Response brightness, adjustable	≈ 5 ... 1000 lx, ∞ lx (day)
Detection angle, settable	each side ≈ 45 ... 90 °
Detection field, rectangular shaped	≈ 12 x 16 m
Operating temperature	- 5 ... + 45 °C

Automatic triggering of bus functions for movement within the detection area or manual control via integrated button.

Continuous direct sunlight penetrating the upward-pointing detection plane can result in failure of the motion detector.
Only suitable for indoor areas!

– with 3 operating modes: automatic/permanent ON/ permanent OFF
– Master/Slave operation for covering large detection areas
– with test mode
– with button for automatic/permanent ON/permanent OFF
– Operating mode display via status LED, red/green/ orange
– two function channels for brightness-dependent functions
– additional channel for independent of brightness detector mode
– Output of the brightness value via object possible
– with integrated bus coupling unit
– bus connection via connecting terminal
– with dismantling protection

Suitable for	Order no.
Cover for KNX motion detector module	8096 04 ..
optional	
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
Berker S.1/B.3/B.7		
KNX motion detector module 1.1 m	**8026 21 80**	1

:hager

KNX motion detector module 2.2 m

– internal temperature sensor
– integrated bus coupling unit
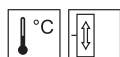
| $°C$ | ↕ |

Operating voltage over bus	21 ... 32 V=
Current consumption KNX	max. 10 mA
Nominal mounting height	2.2 m
Delay time, adjustable	10 s ... 30 min
Response brightness, adjustable	≈ 5 ... 1000 lx, ∞ lx (day)
Detection angle, settable	each side ≈ 45 ... 90 °
Detection field, rectangular shaped	≈ 8 x 12 m
Operating temperature	- 5 ... + 45 °C

Automatic triggering of bus functions for movement within the detection area or manual control via integrated button.

Continuous direct sunlight penetrating the upward-pointing detection plane can result in failure of the motion detector.
Only suitable for indoor areas!

Available from 01/2016

– with 3 operating modes: automatic/permanent ON/permanent OFF
– Master/Slave operation for covering large detection areas
– with test mode
– with button for automatic/permanent ON/permanent OFF
– Operating mode display via status LED, red/green/orange
– two function channels for brightness-dependent functions
– additional channel for independent of brightness detector mode
– Output of the brightness value via object possible
– with integrated bus coupling unit
– bus connection via connecting terminal
– with dismantling protection

Suitable for	Order no.
Cover for KNX motion detector module	8096 04 ..
optional	
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
Berker S.1/B.3/B.7		
KNX motion detector module 2.2 m	**8026 22 80**	1

Cover for KNX motion detector module

Available from 01/2016

Suitable for	Order no.
KNX motion detector module 1.1 m	8026 21 ..
KNX motion detector module 2.2 m	8026 22 ..

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8096 04 52**	1
polar white glossy	**8096 04 59**	1
anthracite, matt	**8096 04 85**	1
aluminium, matt, lacquered	**8096 04 83**	1

:hager

Presence detectors

KNX presence detector with constant light control

Operating voltage over bus	21 ... 32 V=	– with potentiometers for setting the response brightness and delay time without dismantling
Current consumption	12 mA	– energy saving by presence and brightness-controlled lighting control
Recommended installation height	≈ 2.5 ... 3.5 m	– bus connection via connecting terminal
Brightness measuring range	5 ... 1200 lx	– with constant light control
Delay time, adjustable	1 min ... 30 min	
Detection angle	360 °	
Operating temperature	+ 0 ... + 45 °C	
Dimensions (Ø x H)	110 x 44 mm	

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA6 65 ..
KNX system package commissioning tool easy link RMD	TXA1 00 ..
Surface-mounted housing for presence detector	EE8 13

Design	Order no.	PU
white	**TXC511**	1

Surface-mounted housing for presence detector

Dimensions (Ø x H)	70 x 45 mm	– with cable entry

Suitable for	Order no.	Page
KNX presence detector with constant light control	TXC511	45

Design	Order no.	PU
polar white matt	**EE813**	1

IR presence detectors

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

KNX IR presence detector

Operating voltage over bus	21 ... 32 V=	– energy saving by presence and brightness-controlled lighting control
Recommended installation height	≈ 2.5 ... 3.5 m	– linking several detectors in order to expand the detection range
Brightness measuring range	5 ... 1000 lx	– with integrated bus coupling unit
Delay time, adjustable	≈ 1 min ... 1 h	– with potentiometers for setting the response brightness and delay time without dismantling
Detection angle	360 °	– with programming button
Detection field Ø, on floor	≈ 7 m	– bus connection via connecting terminal
Detection field Ø, at desk height	≈ 5 m	– with spring clips for ceiling installation
Operating temperature	- 10 ... + 45 °C	
Installation opening Ø	60 ... 63 mm	
Dimensions (Ø x H)	78 x 70 mm	

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100
IR configuration hand-held transmitter for presence detector	EE807
IR hand-held transmitter for presence detector	EE808
Surface-mounted housing for presence detector	EEK005

Design	Order no.	PU
polar white matt	**TCC510S**	1

Surface-mounted housing for presence detector

Dimensions (Ø x H)	75 x 65 mm	– with cable entry

Suitable for	Order no.
KNX IR presence detector	TCC510S

Design	Order no.	PU
polar white, matt, plastic	**EEK005**	1

IR hand-held transmitter for presence detector

Battery service life [years]	≈ 3.5	– with 4 function buttons (calling up/saving light scene)
Dimensions (L x W x H)	120 x 70 x 10 mm	– with green "on" and red "off" button (on/off, dimmer function)

For control for the lighting connected to the presence detector.

Scope of functions dependent on the controlled presence detector.

Required battery (CR 2032) is included in the scope of delivery.

– additional acknowledgement LED for displaying the IR transmission

– RC6 code

Suitable for	Order no.
KNX IR presence detector	TCC510S

Design	Order no.	PU
black matt	**EE808**	1

IR configuration hand-held transmitter for presence detector

Battery service life [years]	≈ 2.5	– 15 buttons with integrated status-LED
Dimensions (L x W x H)	111 x 63 x 10 mm	– additional acknowledgement LED for displaying the IR transmission

For convenient configuration of supported presence detectors.

Required battery (CR 2032) is included in the scope of delivery.

– 3 configuration ranges for control, switch-off delay, brightness threshold

– setting of the brightness threshold manually, by default values or teach-in mode

– default settings can be selected for the brightness threshold daylight, office, corridor

RC6 code

– 2 configuration memories for identical configuration of several presence detectors

Suitable for	Order no.
KNX IR presence detector	TCC510S

Design	Order no.	PU
black matt	**EE807**	1

Twilight switch RMD

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Twilight switch 6 channel RMD

Operating voltage over bus	21 ... 32 V=	– for switch, dimmer and shutter functions
Operating temperature	+ 0 ... + 45 °C	– manual operation can be activated via selection switch, thereby deactivation of the KNX function
Line length	max. 100 m	– Brightness modifiable via potentiometer
Conductor cross-section (flexible)	1 ... 6 mm²	– six brightness limit values for independent activation of switching channels
Conductor cross-section (rigid)	1 ... 10 mm²	– with 2 status LEDs
Width of rail mounted device (RMD)	2 modules	– with programming button and red programming LED

– with integrated bus coupling unit

– bus connection via connecting terminal

– with screw terminals

Suitable for	Order no.
Brightness sensor built-in	EE002
Brightness sensor surface-mounted	EE003
optional	
KNX Configuration server easy link RMD	TJA665 ..
KNX system package commissioning tool easy link RMD	TXA100 ..

Design	Order no.	PU
light grey	**TXA025**	1

Twilight switch 6 channel RMD with brightness sensor RMD

Operating voltage over bus	21 ... 32 V=	– six brightness limit values for independent activation of switching channels
Operating temperature	+ 0 ... + 45 °C	– with surface-mounted brightness sensor IP65
Line length	max. 100 m	– with programming button and red programming LED
Conductor cross-section (flexible)	1 ... 6 mm²	– with integrated bus coupling unit
Conductor cross-section (rigid)	1.5 ... 10 mm²	– with screw terminals
Width of rail mounted device (RMD)	2 modules	

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665 ..
KNX system package commissioning tool easy link RMD	TXA100 ..
Brightness sensor built-in replacement	EE002
Brightness sensor surface-mounted	EE003

Design	Order no.	PU
Twilight switch 6 channel RMD with brightness sensor RMD	**TXA026**	1

Brightness sensor built-in

Pre-assembled cables   ≈ 1 m

To detect ambient brightness.

Suitable for	Order no.
Twilight switch 6 channel RMD with brightness sensor RMD	TXA026
Twilight switch 6 channel RMD	TXA025

Design	Order no.	PU
Brightness sensor built-in	**EE002**	1

Brightness sensor surface-mounted

Conductor cross-section (flexible)   0.75 ... 4 mm²

To detect ambient brightness.

Suitable for	Order no.
Twilight switch 6 channel RMD	TXA025
Twilight switch 6 channel RMD with brightness sensor RMD	TXA026

Design	Order no.	PU
Brightness sensor surface-mounted	**EE003**	1

Physical sensors

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Weather station with GPS surface-mounted

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V~/=
Rated current (heating incl.)	81 mA
Brightness measuring range	0 ... 150000 lx
Temperature measuring range, linear	- 30 ... + 80 °C
Measuring range, wind speed	0 ... 35 m/s
Precipitation (Yes/No)	1 bit
Operating temperature	- 30 ... + 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 as well to process the signals.
Ensure correct orientation and free-standing installation.

– 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

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100
KNX power supply 2 x 320 mA + 24 V DC, 640 mA RMD	TXA114
Electrical power supply 24 V DC RMD	TGA200

Design	Order no.	PU
white transparent	**TXE531**	1

Temperature sensor

Characteristic resistance value at 25 °C	10 kΩ
Operating temperature	- 40 ... + 80 °C
Sensor cable length	4 m

– as replacement or function extension of products with suitable connection, such as thermostat, glass sensors or KNX thermostat

Suitable for	Order no.
Push-button module 1gang	8014 11 ..
Push-button module 2gang	8014 21 ..
KNX thermostat	8044 01 00
KNX room controller	8066 01 00
Bus application unit flush-mounted	8004 00 ..

Design	Order no.	PU
Temperature sensor	**EK090**	1

Timers

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Week time switch 2gang RMD

Operating voltage over bus	21 ... 32 V=
Lithium cell power reserve [years]	≈ 5
Operating temperature	+ 0 ... + 45 °C
Conductor cross-section (flexible)	1.5 ... 10 mm²
Conductor cross-section (rigid)	1 ... 6 mm²
Width of rail mounted device (RMD)	2 modules

– functions e.g. switching, dimming, blinds, light scenes, heating, operating modes, date, time
– with 5 manual operation buttons
– with programming button and red programming LED
– with programming key
– with integrated bus coupling unit
– bus connection via connecting terminal
– with screw terminal

Suitable for	Order no.
Programming key for time switches	EG005
Blocking key for time switches	EG004
optional	
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
Week time switch 2gang RMD	**TXA022**	1

Blocking key for time switches

Operating temperature	- 5 ... + 45 °C
Dimensions (L x W x H)	10 x 20 x 30 mm

Suitable for	Order no.
Week time switch 2gang RMD	TXA02 ..
optional	
Storage tray for programming keys	EG006

Design	Order no.	PU
Blocking key for time switches	**EG004**	1

Programming key for time switches

Operating temperature	- 5 ... + 45 °C
Dimensions (L x W x H)	10 x 20 x 30 mm

Suitable for	Order no.
Week time switch 2gang RMD	TXA02 ..
optional	
Storage tray for programming keys	EG006

Design	Order no.	PU
Programming key for time switches	**EG005**	1

USB key adapter with software

Operating temperature	+ 0 ... + 40 °C

Design	Order no.	PU
USB key adapter with software	**EG003G**	1

Universal interfaces

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Universal interface 2gang flush-mounted

Operating voltage over bus	21 ... 32 V=
Input scanning voltage	per channel 5 V
Operating temperature	+ 0 ... + 45 °C
Line length	max. 5 m
Dimensions (L x W x H)	38 x 35 x 12 mm

For connection of potential-free contacts, e.g. switches, push-buttons, window contacts, detector contacts or thermostats, for communication into KNX bus system.

– Switching functions, dimming functions, blind control functions, value transmitter functions, forced control functions, scene functions, heating functions and timer functions, 2 channel mode
– with programming button and red programming LED
– with 2 independent binary inputs for potential-free contacts
– with integrated bus coupling unit
– bus connection via connecting terminal
– for flush mounting and hollow-wall mounting

Suitable for	Order no.
optional	
KNX Configuration server easy link RMD	TJA665 ..
KNX system package commissioning tool easy link RMD	TXA100 ..

Design	Order no.	PU
Universal interface 2gang flush-mounted	**TXB302**	1

Universal interface 2gang with 2 LED outputs flush-mounted

Operating voltage over bus	21 ... 32 V=
Input scanning voltage	per channel 5 V
Operating temperature	+ 0 ... + 45 °C
Line length	max. 5 m
Dimensions (L x W x H)	38 x 35 x 12 mm

For connection of potential-free contacts, e.g. switches, push-buttons, window contacts, detector contacts or thermostats, for communication into KNX bus system.

– Switching functions, dimming functions, blind control functions, value transmitter functions, forced control functions, scene functions and heating functions, 2 channel mode
– with programming button and red programming LED
– with 2 independent binary inputs for potential-free contacts
– with 2 freely parameterisable outputs for LED activation
– with integrated bus coupling unit
– bus connection via connecting terminal
– for flush mounting and hollow-wall mounting

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665 ..
KNX system package commissioning tool easy link RMD	TXA100 ..

Design	Order no.	PU
Universal interface 2gang with 2 LED outputs flush-mounted	**TXB322**	1

Universal interface 4gang flush-mounted

Operating voltage over bus	21 ... 32 V=
Input scanning voltage	per channel 5 V
Operating temperature	+ 0 ... + 45 °C
Line length	max. 5 m
Dimensions (L x W x H)	38 x 35 x 12 mm

For connection of potential-free contacts, e.g. switches, push-buttons, window contacts, detector contacts or thermostats, for communication into KNX bus system.

– Switching functions, dimming functions, blind control functions, value transmitter functions, forced control functions, scene functions, heating functions and timer functions, 2 channel mode
– with programming button and red programming LED
– with 4 independent binary inputs for potential-free contacts
– with integrated bus coupling unit
– bus connection via connecting terminal
– for flush mounting and hollow-wall mounting

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665 ..
KNX system package commissioning tool easy link RMD	TXA100 ..

Design	Order no.	PU
Universal interface 4gang flush-mounted	**TXB304**	1

Universal interface 4gang with 4 LED outputs, flush-mounted

Operating voltage over bus	21 ... 32 V=
Input scanning voltage	per channel 5 V
Operating temperature	+ 0 ... + 45 °C
Line length	max. 5 m
Dimensions (L x W x H)	38 x 35 x 12 mm

For connection of potential-free contacts, e.g. switches, push-buttons, window contacts, detector contacts or thermostats, for communication into KNX bus system.

– Switching functions, dimming functions, blind control functions, value transmitter functions, forced control functions, scene functions and heating functions, 2 channel mode
– with programming button and red programming LED
– with 4 independent binary inputs for potential-free contacts
– with 4 freely configurable outputs for LED activation
– with integrated bus coupling unit
– bus connection via connecting terminal
– for flush mounting and hollow-wall mounting

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665 ..
KNX system package commissioning tool easy link RMD	TXA100 ..

Design	Order no.	PU
light grey	**TXB344**	1

Binary inputs

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Binary input 230 V AC RMD

Operating voltage over bus	21 ... 32 V=
Input voltage	230 V~
Signal frequency	50/60 Hz
Input cable length	max. 100 m
Operating temperature	+ 0 ... + 45 °C
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Conductor cross-section (flexible)	0.75 ... 2.5 mm²

For connection of 230 V AC power supplied contacts for communication into KNX bus system.

– Switching functions, dimming functions, blind control functions, value transmitter functions, forced control functions, scene functions, heating functions and timer functions, 2 channel mode
– with programming button and red programming LED
– manual operation per channel via button with integrated status LED, thereby lockout of KNX function
– manual operation can be activated via selection switch
– with integrated bus coupling unit
– bus connection via connecting terminal
– suitable for different external conductors
– with QuickConnect plug-in terminals

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665 ..
KNX system package commissioning tool easy link RMD	TXA100 ..

Design	Order no.	PU
4 independent binary inputs with separate neutral conductor		
4gang [1]	**TXA304**	1
10 independent binary inputs with separate neutral conductor		
10gang [2]	**TXA310**	1

[1] Dimensions (W x H x D): 72 x 90 x 70 mm, 4 modules
[2] Dimensions (W x H x D): 105 x 90 x 65 mm, 6 modules

Binary input, 6gang, RMD, 24 V AC/DC - 230 V AC

Operating voltage over bus	21 ... 32 V=
Signal voltage	potential-free, 24 ... 230 V~/=
Input cable length	max. 100 m
Operating temperature	+ 0 ... + 45 °C
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Dimensions (W x H x D)	105 x 90 x 65 mm
Width of rail mounted device (RMD)	6 modules

For connection of potential-free or 230 … 230 V AC/DC power supplied contacts for communication into KNX bus system.

– Switching functions, dimming functions, blind control functions, value transmitter functions, forced control functions, scene functions, heating functions and timer functions, 2 channel mode
– with 6 red status LEDs for display of input states
– with programming button and red programming LED
– manual operation per channel via button with integrated status LED, thereby lockout of KNX function
– manual operation can be activated via selection switch
– with integrated bus coupling unit
– bus connection via connecting terminal
– with 6 independent binary inputs with separate neutral conductor
– suitable for different external conductors
– with QuickConnect plug-in terminals

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
6gang	**TXA306**	1

:hager

KNX Actuators

Switch actuators/blind actuators RMD easy

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Switch actuator/blind actuator RMD, 10 A

Operating voltage over bus	21 ... 32 V=
Frequency	50/60 Hz
Switching current at cos = 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 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²

Follow the motor manufacturers' instructions.
For switching of independent loads or activation of drives.

– for switching of an independent load per actuator channel or activation of a blind drive via two actuator channels each
– any combined operation from drive and switching functions possible
– manual operation can be activated via 2-level selection switch, thereby deactivation of the KNX function
– with illuminated programming button
– with manual operation button for on/off (up/down) and bus function on/off per channel (single area operation)
– Status LED integrated in manual operation button
– with positioning function for shutter and blade position
– with safety functions e.g. for wind, rain, alarm
– with sun shade function
– with potential-free normally-open contact
– Large labelling field
– suitable to switch different external conductors
– with integrated bus coupling unit
– bus connection via connecting terminal
– with QuickConnect plug-in terminals

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
6 control channels/3 blind actuator channels		
light grey, 6/3gang [1]	**TXA606B**	1
8 control channels/4 blind actuator channels		
light grey, 8/4gang, with Auxiliary voltage [2]	**TXA608B**	1
10 control channels/5 blind actuator channels		
light grey, 10/5gang [2]	**TXA610B**	1

[1] Dimensions (W x H x D): 70 x 90 x 65 mm, 4 modules
[2] Dimensions (W x H x D): 105 x 90 x 65 mm, 6 modules

Switch actuator/blind actuator RMD for C load, 16 A

Operating voltage over bus	21 ... 32 V=
Frequency	50/60 Hz
Switching current at cos = 0.8	max. 16 A
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 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²

Follow the motor manufacturers' instructions.
For switching of independent loads or activation of drives.

– for switching of an independent load per actuator channel or activation of a blind drive via two actuator channels each
– any combined operation from drive and switching functions possible
– manual operation can be activated via 2-level selection switch, thereby deactivation of the KNX function
– with illuminated programming button
– with manual operation button for on/off (up/down) and bus function on/off per channel (single area operation)
– Status LED integrated in manual operation button
– with positioning function for shutter and blade position
– with safety functions e.g. for wind, rain, alarm
– with sun shade function
– with potential-free normally-open contact
– Large labelling field
– suitable to switch different external conductors
– with integrated bus coupling unit
– bus connection via connecting terminal
– with QuickConnect plug-in terminals

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
4 control channels/2 blind actuator channels		
light grey, 4/2gang [1]	**TXA604D**	1
6 control channels/3 blind actuator channels		
light grey, 6/3gang [1]	**TXA606D**	1
8 control channels/4 blind actuator channels		
light grey, 8/4gang, with Auxiliary voltage [2]	**TXA608D**	1
10 control channels/5 blind actuator channels		
light grey, 10/5gang [2]	**TXA610D**	1

[1] Dimensions (W x H x D): 70 x 90 x 65 mm, 4 modules
[2] Dimensions (W x H x D): 105 x 90 x 65 mm, 6 modules

Switch actuator/blind actuator RMD for C load, 16 A

Operating voltage over bus	21 ... 32 V=
Frequency	50/60 Hz
Switching current at cos = 0.8	max. 16 A
230 V LED lamps	25 x 18 W
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	1500 VA
Electronic transformers	1500 W
Fluorescent lamps:	
- with electronical ballast (EB)	20 x 36 W
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²

Follow the motor manufacturers' instructions.

For switching of independent loads or activation of drives.

– for switching of an independent load per actuator channel or activation of a blind drive via two actuator channels each
– any combined operation from drive and switching functions possible
– manual operation can be activated via 2-level selection switch, thereby deactivation of the KNX function
– with illuminated programming button
– with manual operation button for on/off (up/down) and bus function on/off per channel (single area operation)
– Status LED integrated in manual operation button
– with positioning function for shutter and blade position
– with safety functions e.g. for wind, rain, alarm
– with sun shade function
– with potential-free normally-open contact
– Large labelling field
– suitable to switch different external conductors
– with integrated bus coupling unit
– bus connection via connecting terminal
– with screw terminals

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
16 control channels/8 blind actuator channels		
light grey, 16/8gang [1]	**TXM616D**	1
20 control channels/10 blind actuator channels		
light grey, 20/10gang [2]	**TXM620D**	1

[1] Dimensions (W x H x D): 140 x 90 x 65 mm, 8 modules
[2] Dimensions (W x H x D): 175 x 90 x 65 mm, 10 modules

	Order no.
Busbar for TXM616D	
	TXM616D
	- Designed for TXM616
	- 2 pieces of 8 pin busbars
	- In 16A

TM616D

	Order no.
Busbar for TXM620D	
	TGM620D
	- Designed for TXM620D
	- 2 pieces of 10 pin busbars
	- In 16A

	Order no.
End caps for TGM616D or TGM620D busbars	
	TGM600E
	- Designed for TXM616D or
	- TXM620D
	- 10 pairs of end caps

Dim actuators RMD easy

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Universal dim actuator 1gang RMD 300 W

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	230 V~
Frequency	50/60 Hz
Dimmable 230 V LED lamps	60 W
Quantity of dimmable, 230 V LED lamps	max. 8
Dimmable energy-saving lamps	60 W
Quantity energy-saving lamps	max. 8
230 V incandescent lamps and halogen lamps	300 W
Dimmable conventional transformers	300 VA
Electronic transformers	300 W
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Dimensions (W x H x D)	70 x 90 x 65 mm
Width of rail mounted device (RMD)	4 modules

Do not connect conventional transformers together with electronic transformers.

– selection switch for manual/bus operation as well as load setting
– manual operation can be activated via selection switch, thereby deactivation of the KNX function
– manual operation also possible without bus e.g. on building site
– manual operation per channel using button (single-area operation)
– Status LED integrated in manual operation button
– with illuminated programming button
– learning function for optimised operation of compact fluorescent lamps and LED luminaires can be activated via the bus
– specification of the load type per channel possible using button on the device
– phase cut-on or cut-off according to load type, self-learning
– minimum/maximum dimming values per channel settable on device
– Large labelling field
– short-circuit proof and overload proof (display per channel using LEDs)
– overheating protection (display using LEDs)
– with integrated bus coupling unit
– bus connection via connecting terminal
– with QuickConnect plug-in terminals

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
light grey	**TXA661A**	1

Universal dim actuator 1gang RMD 600 W

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	230 V~
Frequency	50/60 Hz
Dimmable 230 V LED lamps	120 W
Quantity of dimmable, 230 V LED lamps	max. 10
Dimmable energy-saving lamps	120 W
Quantity energy-saving lamps	max. 8
230 V incandescent lamps and halogen lamps	600 W
Dimmable conventional transformers	600 VA
Electronic transformers	600 W
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Dimensions (W x H x D)	70 x 90 x 65 mm
Width of rail mounted device (RMD)	4 modules

Do not connect conventional transformers together with electronic transformers.

– selection switch for manual/bus operation as well as load setting
– manual operation can be activated via selection switch, thereby deactivation of the KNX function
– manual operation also possible without bus e.g. on building site
– manual operation per channel using button (single-area operation)
– Status LED integrated in manual operation button
– with illuminated programming button
– learning function for optimised operation of compact fluorescent lamps and LED luminaires can be activated via the bus
– specification of the load type per channel possible using button on the device
– phase cut-on or cut-off according to load type, self-learning
– minimum/maximum dimming values per channel settable on device
– Large labelling field
– short-circuit proof and overload proof (display per channel using LEDs)
– overheating protection (display using LEDs)
– with integrated bus coupling unit
– bus connection via connecting terminal
– with QuickConnect plug-in terminals

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
light grey	**TXA661B**	1

Universal dimming 2X easy, 2 x 300 W

Powered via bus	21 ... 32 V DC
Auxiliary voltage	230 V AC
Frequency	50/60 Hz
Dimmable LED lamps	per channel 60 W
Dimmable energy-saving lamps	each channel 60 W
Max. number of LED/ESL lamps	max. 8
230 V incandescent lamps and halogen lamps	per channel 300 W
Dimmable conventional transformers	per channel 300 VA
Electronic transformers	per channel 300 W
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Width of rail mounted device (RMD)	4 modules

– Load coupling of 2 channels to increase the output power over parallel connection of the outputs
- Learning function can be activated for optimized operation of compact fluorescent lamps and LED lights via bus
– Manual operation also possible without bus eg. . at construction site
– Manual operation can be activated via switch, thereby disabling the KNX function
– Manual operation per channel via button with integrated status LEDs, thereby blocking the KNX function
– Leading or trailing edge depending on the load type, self learning
– minimum / maximum dimming values set per channel on the device
– Selector switch for manual / bus operation and load adjustment
– short circuit protection and overload protection (electronic fuse)
– short circuit protection and overload protection (via –)
– Overheating protection (via LED)
– Status LED integrated into manual control button
– Overheating protection, indicated by LED
– Overload protection, indicated by LED
– with illuminated Programming button
– with integrated bus coupler
– Bus connection via connecting terminal
– Quick Connect plug-in terminals
– large marking area
– Do not connect conventional transformers together with electronic transformers.

Suitable for Optional Accessories	Order no.
KNX easy commissioning tool	TXA100

Design	Order no.	PU
Univ. dimming actuator 2 channel KNX easy, 2x300W	**TXA662AN**	1

Universal dimming 4X easy, 4 x 300 W

Powered via bus	21 ... 32 V DC
Auxiliary voltage	230 V AC
Frequency	50/60 Hz
Dimmable LED lamps	per channel 60 W
Dimmable energy-saving lamps	each channel 60 W
Max. number of LED/ESL lamps	max. 8
230 V incandescent lamps and halogen lamps	per channel 300 W
Dimmable conventional transformers	per channel 300 VA
Electronic transformers	per channel 300 W
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Width of rail mounted device (RMD)	8 modules

– Load coupling of 4 channels to increase the output power over parallel connection of the outputs
– Learning function can be activated for optimized operation of compact fluorescent lamps and LED lights via bus
– Manual operation also possible without bus eg. at construction site
– Manual operation can be activated via switch, thereby disabling the KNX function
– Manual operation per channel via button with integrated status LEDs,thereby blocking the KNX function
– Leading or trailing edge depending on the load type, self learning
– minimum / maximum dimming values set per channel on the device
– Status LED integrated into the manual control button
– Selector switch for manual / bus operation and load adjustment
– short circuit protection and overload protection (electronic fuse)
– short circuit protection and overload protection (via LED)
– Overheating protection (via LED)
– bulb-preserving soft start
– Status LED integrated into manual control button
– Overheating protection, indicated by LED
– Overload protection, indicated by LED
– With illuminated Programming button
– With integrated bus coupler
– Bus connection via connecting terminal
– Quick Connect plug-in terminals
– Large marking area
– Do not connect conventional transformers together with electronic transformers.

Suitable for Optional Accessories	
KNX easy commissioning tool REG	TXA100

Design	Order no.	PU
Univ. dimming actuator 4 channel KNX easy, 4x300W	**TXA664AN**	1

1-10 V Control Unit 3X

Powered via bus	21 ... 32 V DC	– with red programming LED and red status LED
Switching current	16A	– with manual switch per channel for on / off and status display
Control current for each channel	50 mA	– with programming button
230 V incandescent lamps and halogen lamps per channel	2300 W	– Manual operation also possible without bus eg. B. at construction site
Conventional transformers	1500 VA	– with integrated bus coupler
Electronic transformers	1500 W	– Bus connection via connecting terminal
Florescent lamps with electronic ballasts per channel	1000 W	– suitable for switching various outer conductor
Conductor cross-section (fixed)	1.5 ... 10 mm²	– with potential-free NO contacts
Conductor cross-section (flexible)	1 ... 6 mm²	– with screw terminals
Operating temperature	0 ... 45˚C	
Width of rail mounted device (RMD)	4 modules	

Design	Order no.	PU
Switch / dimming 3X KNX, 1 - 10V	**TX211A**	1

DALI actuator 4-fold KNX easy, broadcast

Powered via bus	21 ... 32 V DC	– Status LED integrated into the manual control button
Auxiliary voltage	230 V AC	– with illuminated Programming button
Frequency	50/60 Hz	– Manual operation also possible without bus eg. at construction site
Operating temperature	- 5 ... 45 ° C	– Manual operation can be activated via switch, thereby disabling the KNX function
Conductor cross-section (flexible)	0.75 ... 2.5 mm²	– Manual operation per channel via button with integrated status LEDs, thereby blocking the KNX function
Conductor cross-section (fixed)	0.75 ... 2.5 mm²	– Load control via DALI bus in the transmit mode
Width of rail mounted device (RMD)	6 modules	– Automatic load detection
		– With integrated bus coupler
		– Bus connection via connecting terminal
		– Selector switch for manual / bus operation and load adjustment
		– Cable entries beveled
		– Quick Connect plug-in terminals
		– Large marking area
		– Connect an additional DALI power supply

Design	Order no.	PU
DALI actuator 4-fold KNX easy, broadcast RGB (T) W	**TXA664D**	1

Universal dim actuator 3gang RMD

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	230 V~
Frequency	50/60 Hz
Dimmable 230 V LED lamps	per channel 60 W
Quantity of dimmable, 230 V LED lamps	max. 8
Dimmable energy-saving lamps	per channel 60 W
Quantity energy-saving lamps	max. 8
230 V incandescent lamps and halo-gen lamps	per channel 300 W
Dimmable conventional transformers	per channel 300 VA
Electronic transformers	per channel 300 W
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Dimensions (W x H x D)	105 x 90 x 65 mm
Width of rail mounted device (RMD)	6 modules

Do not connect conventional transformers together with electronic transformers.

– 1, 2 or 3-channel operation possible
– load coupling of 2 or 3 channels settable to increase output power using selection switch
– selection switch for manual/bus operation as well as load setting
– manual operation can be activated via selection switch, thereby deactivation of the KNX function
– manual operation also possible without bus e.g. on building site
– manual operation per channel using button (single-area operation)
– Status LED integrated in manual operation button
– with illuminated programming button
– learning function for optimised operation of compact fluorescent lamps and LED luminaires can be activated via the bus
– specification of the load type per channel possible using button on the device
– phase cut-on or cut-off according to load type, self-learning
– minimum/maximum dimming values per channel settable on device
– Large labelling field
– short-circuit proof and overload proof (display per channel using LEDs)
– overheating protection (display using LEDs)
– with integrated bus coupling unit
– bus connection via connecting terminal
– with QuickConnect plug-in terminals

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
light grey	**TXA663A**	1

Universal dim actuator 4gang RMD

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	230 V~
Frequency	50/60 Hz
Dimmable 230 V LED lamps	per channel 60 W
Quantity of dimmable, 230 V LED lamps	max. 8
Dimmable energy-saving lamps	per channel 60 W
Quantity energy-saving lamps	max. 8
230 V incandescent lamps and halo-gen lamps	per channel 300 W
Dimmable conventional transformers	per channel 300 VA
Electronic transformers	per channel 300 W
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Dimensions (W x H x D)	140 x 90 x 65 mm
Width of rail mounted device (RMD)	8 modules

Do not connect conventional transformers together with electronic transformers.

– selection switch for manual/bus operation as well as load setting
– manual operation can be activated via selection switch, thereby deactivation of the KNX function
– manual operation also possible without bus e.g. on building site
– manual operation per channel using button (single-area operation)
– Status LED integrated in manual operation button
– with illuminated programming button
– learning function for optimised operation of compact fluorescent lamps and LED luminaires can be activated via the bus
– specification of the load type per channel possible using button on the device
– phase cut-on or cut-off according to load type, self-learning
– minimum/maximum dimming values per channel settable on device
– Large labelling field
– suitable to switch different external conductors
– short-circuit proof and overload proof (display per channel using LEDs)
– overheating protection (display using LEDs)
– with integrated bus coupling unit
– bus connection via connecting terminal
– with QuickConnect plug-in terminals

optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
light grey	**TXA664A**	1

Blind actuators RMD easy

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Blind actuator 4gang RMD 24 V DC

Operating voltage over bus	21 ... 32 V=
Switching current (ohmic)	max. 6 A
Switching current at 24 V=	max. 6 A
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Dimensions (W x H x D)	70 x 90 x 65 mm
Width of rail mounted device (RMD)	4 modules

Follow the motor manufacturers' instructions.

– for activation of a DC drive per actuator channel
– operating mode can be set for roller shutter/awning
– 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
– with illuminated programming button
– with positioning function for shutter and blade position
– with safety functions e.g. for wind, rain, alarm
– with sun shade function
– Large labelling field
– with integrated bus coupling unit
– bus connection via connecting terminal
– with QuickConnect plug-in terminals

Suitable for optional	Order no.
KNX power supply 2 x 320 mA + 24 V DC, 640 mA RMD	TXA114
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100
Electrical power supply 24 V DC RMD	TGA200

Design	Order no.	PU
light grey, 4gang	**TXA624D**	1

Blind actuator RMD 230 V AC

Operating voltage over bus	21 ... 32 V=
Frequency	50/60 Hz
Switching current at cos = 0.8	max. 6 A
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²

Follow the motor manufacturers' instructions.

– for activation of an AC drive per actuator channel
– operating mode can be set for roller shutter/awning
– 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
– with manual operation button for up/down per channel
– with illuminated programming button
– with positioning function for shutter and blade position
– with safety functions e.g. for wind, rain, alarm
– with sun shade function
– Large labelling field
– suitable to switch different external conductors
– with integrated bus coupling unit
– bus connection via connecting terminal
– with QuickConnect plug-in terminals

Suitable for optional	Order no.
KNX system package commissioning tool easy link RMD	TXA10

Design	Order no.	PU
Blind actuator channels for 4 AC drives		
light grey, 4gang [1]	**TXA624C**	1
Blind actuator channels for 8 AC drives		
light grey, 8gang [2]	**TXA628C**	1

[1] Dimensions (W x H x D): 70 x 90 x 65 mm, 4 modules
[2] Dimensions (W x H x D): 105 x 90 x 65 mm, 6 modules

Blind actuator 12gang RMD 230 V

Operating voltage over bus	21 ... 32 V=
Frequency	50/60 Hz
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.5 ... 6 mm²
Conductor cross-section (rigid)	0.5 ... 6 mm²
Dimensions (W x H x D)	175 x 90 x 65 mm
Width of rail mounted device (RMD)	10 modules

Follow the motor manufacturers' instructions.

– for activation of an AC drive per actuator channel
– operating mode can be set for roller shutter/awning
– selection switch for manual/bus operation and second operating level
– manual operation can be activated via selection switch, thereby deactivation of the KNX function
– Manual operation per channel using button (single-area operation, two operating levels)
– Status LED integrated in manual operation button
– with manual operation button for up/down per channel
– with illuminated programming button
– with positioning function for shutter and blade position
– with safety functions e.g. for wind, rain, alarm
– with sun shade function
– with integrated bus coupling unit
– Large labelling field
– suitable to switch different external conductors
– bus connection via connecting terminal
– with screw terminals

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
light grey	**TXM632C**	1

HVAC actuators RMD

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Heating actuator 6 channel with controller, 24/230 V, Triac

Operating voltage over bus	21 ... 32 V DC
Frequency	50/60 Hz
Switching voltage	24 ... 230 V
Power consumption (operating)	1 W
Actuators 24 V	per chnl. max 2
Actuators for each channel	max. 4
Operating temperature	- 5 ... 45 ° C
Conductor cross-section (flexible)	0.5 ... 4 mm²
Conductor cross-section (fixed)	0.5 ... 4 mm²
Width of rail mounted device (RMD)	4 modules

– 12 with integrated room temperature controllers
– Type of actuator (normally closed / open) adjustable
– for actuator 230 V or actuator 24 V
– with valve protection function
– Locking function per actuator output via manual operation buttons or bus activatable
– different setpoints set to forced control or emergency operation in case of bus failure for summer and winter time
– 6 manual operation buttons for on/off each actuator channel
– short circuit protection and overload protection (via LED)
– 6 red status LEDs for indicating the input status
– with programming button and red programming LED
– with integrated bus coupler
– Bus connection via connecting terminal
– with screw
– All actuator channels must be of the same operating voltage

Design	Order no.	PU
Heating actuator KNX 6 channel, with Controller, 24 / 230V	**TXM646R**	1

Heating actuator 6 gang easy, 24/230 V, triac

Powered via bus	21 ... 32 V DC
Frequency	50/60 Hz
Switching voltage	24 ... 230 V
Power consumption (operating)	1 W
Actuators 24 V	per chnl. max 2
Actuators for each channel	max. 4
Operating temperature	-5 ... 4 mm²
Conductor cross-section (flexible)	0.5 ... 4 mm²
Conductor cross-section (fixed)	0.5 ... 4 mm²
Width of rail mounted device (RMD)	4 modules

– type of actuator (normally closed/open) adjustable
– for actuator 230 V or actuator 24 V
– with valve protection function
– locking function per actuator output via manual operation buttons or bus activatable
– different setpoints set to forced control or emergency operation in case of bus failure for summer and winter time
– 6 manual operation buttons for on/off each actuator channel
– short circuit protection and overload protection (via LED)
– 6 red status LEDs for indicating the input status
– with programming button and red programming LED
– with integrated bus coupler
– Bus connection via connecting terminal
– with screw terminals
– At all actuator channels actuators of the same operating voltage must be connected

Design	Order no.	PU
Heating actuator 6 gang easy, 24/230 V	**TXM646T**	1

Surface mounted housing for heating actuator

Mounting	surface
Protection	IP31
Height	157mm
Width	104MM
Depth	89mm
Colour	White
Material	plastic
Operating temperature	-5 ... 45℃

– surface mounted housing for heating actuator in heating circuit, IP31

Design	Order no.	PU
Housing for heating actuator, IP31	**TGC600**	1

KNX actuator

Powered via bus	21 ... 32 V DC
Operating temperature	+ 0 ... + 50 °C
Pre-assembled cables	= 1 m
Dimensions (L x W x H)	65 x 50 x 82 mm

– Enclosed are two valve adapters, suitable for: Danfoss RAH, eimeier, MNG, Schlösser from 03/93, Honeywell, Braukmann, Dumser (distributor), Reich (distributor), Landis + Gyr, Oventrop, Herb, Onda

– matching the standard thermostatic valve bodies
– with programming button and red programming LED
– with valve protection function
– features summer mode and forced mode
– for continuous PI control
– with 5 LEDs to indicate the valve lift
– with 2 independent binary inputs
– with integrated bus coupler
– Bus connection via connecting terminal

Design	Order no.	PU
Actuator motor, KNX	**TX501**	1

KNX actuator with temperature controller

Powered via bus	21 ... 32 V DC
Operating temperature	+ 0 ... + 50 °C
Pre-assembled cables	= 1 m
Dimensions (L x W x H)	65 x 50 x 82 mm

– matching the standard thermostatic valve bodies
– Operating modes: comfort, standby, night economy, frost / heat protection
– with programming button and red programming LED
– with valve protection function
– Features summer mode and forced mode
– for continuous PI control
– with 5 LED's to indicate the valve lift
– with 2 independent binary inputs
– with integrated bus coupler
– Bus connection via connecting terminal
– for heating or cooling mode
– assembled, with tap
– Enclosed are two valve adapters, suitable for: Danfoss RAH, eimeier, MNG, Schlösser from 03/93, Honeywell, Braukmann, Dumser (distributor), Reich (distributor), Landis + Gyr, Oventrop, Herb, Onda

Design	Order no.	PU
Actuator with temperature control, KNX	**TX502**	1

Actuator 230 V

Operating voltage	230 V AC	– normally closed
Frequency	50/60Hz	– with dismantling protection
Operating temperature	0 ... 50˚ C	– pluggable connection cable
Pre-assembled cable	= 1m	– for plug-in mounting
Dimensions (W x H x D)	42 x 50 x 64mm	– with over-temperature protection
Cable length	max. 200m	– (Open or closed) with status indicator
Running time	42 s / mm	– Thermoelectric operation
Stroke	5mm	– Valve adapter included.
		– Bus connection via connecting terminal

mandatory accessory	Order no.
Valve adapter kit for actuator	EK072

Design	Order no.	PU
Actuator 230V, M30x1.5	**EK723**	1

Actuator 24 V AC/DC

Operating voltage	24 V AC/DC	– normally closed
Operating temperature	0 ... 50˚ C	– with dismantling protection
Pre-assembled cable	- 1m	– pluggable connection cable
Dimensions (W x H x D)	42 x 50 x 64 mm	– for plug-in mounting
Cable length	max. 200 m	– with over-temperature protection
Running time	54 s / mm	– (open or closed) with status indicator
Stroke	5 mm	– Thermoelectric operation
		– Valve adapter included.

mandatory accessory	Order no.
Valve adapter kit for actuator	EK072

Design	Order no.	PU
Actuator 24 V AC/DC, M30 x 1.5	**EK724**	1

Valve adaptor for actuator

– for actuator 230 V, actuator 24 V, KNX actuator or actuator radio

Design	Order no.	PU
Valve adapter kit for actuator	**EK072**	1

KNX valve drive with thermostat

Operating voltage over bus	21 ... 32 V=
Operating temperature	+ 0 ... + 50 °C
Pre-assembled cables	≈ 1 m
Dimensions (L x W x H)	65 x 50 x 82 mm

– suitable for standard heater valve tappets
– with programming button and red programming LED
– summer operation
– with 2 independent binary inputs
– with 5 LEDs for display of valve stroke
– with integrated bus coupling unit
– bus connection via connecting terminal
– for heating or cooling mode
– operating modes: comfort, standby, night lowering, frost/heat protected
– pre-assembled, with cables

Design	Order no.	PU
white	TX502	1

Flush-mounted actuators easy

– The configuration server (order no.: TJA665) or the tool set (order no.: TXA100) is required for easy commissioning via easy link.

Switch actuator 1gang flush-mounted 10 A

Operating voltage over bus	21 ... 32 V=
max. switching capacity at	230 V~
Frequency	50/60 Hz
Switching current at cos = 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 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Dimensions (W x H x D)	44 x 22.5 x 43 mm

– status LED integrated into the manual operation button
– with illuminated programming button/button for manual operation
– with integrated bus coupling unit
– with 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
– with screw terminals

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
light grey, 1gang	TXB601B	1

Switch actuator/blind actuator
2/1gang + binary input 2gang flush-mounted 6 A

Operating voltage over bus	21 ... 32 V=
max. switching capacity at	230 V~
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 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²

– for switching of two independent loads or activation of a blind drive per
– with positioning function for shutter and blade position
– status LED integrated into the manual operation button
– with illuminated programming button
– with 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
– with screw terminals

Suitable for optional	Order no.
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Follow the motor manufacturers' instructions.

Design	Order no.	PU
light grey	TXB602F	1

:hager

Switch actuator/blind actuator 2/1gang+ binary input 2gang flush-mounted 6 A

Operating voltage over bus	21 ... 32 V=
max. switching capacity at	230 V~
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 ... + 45 °C
Binary cable length, extendable to	max. 9.9 m
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²

Follow the motor manufacturers' instructions.

– 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
– with positioning function for shutter and blade position
– status LED integrated into the manual operation button
– with illuminated programming button
– with 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
– with screw terminals

Suitable for optional	Order no.
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
light grey	**TXB692F**	1

KNX System devices

System tools easy

KNX Configuration server easy link RMD

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V=
Transmission rate Ethernet	max. 2 x 100/1000 Mbit/s
Operating temperature	+ 0 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Width of rail mounted device (RMD)	6 modules

Knowledge of the relevant network technology is required for installation. System requirements: Windows 8.1, Android 4.4, iOS 8.

– Configuration tool for commissioning of KNX installations in easy mode
– Selection switch for online/offline mode
– with green and red status LED for LAN status, operational stand-by, KNX status and gateway connection
– with illuminated programming button
– Power supply via PoE
– 2 RJ45 Ports for LAN connection
– with 2 USB jacks type B, USB 2.0 compliant
– Large labelling field
– with integrated bus coupling unit
– bus connection via connecting terminal
– with QuickConnect plug-in terminals

Suitable for	Order no.
KNX Operating systems	
KNX Sensors	
KNX Actuators	
KNX power supply 2 x 320 mA + 24 V DC, 640 mA RMD	TXA114

Design	Order no.	PU
light grey	**TJA665**	1

KNX system package commissioning tool easy link RMD

Transmission rate Ethernet   max. 2 x 100/1000 Mbit/s

Set consisting of:
- Configuration server RMD, order no. TJA665
- Power supply 30 V DC + 24 V DC RMD, order no. TXA114
- WIFI access-point
- KNX bus connection
- RJ45 connection cable

Knowledge of the relevant network technology is required for installation. System requirements: Windows 8.1, Android 4.4, iOS 8.

The system package has been designed as a complete set for commissioning via easy link.

– Portable suitcase with a complete set of devices needed for commissioning of KNX installations in easy mode
– for connection to a 230 V AC socket outlet
– with two RJ45 jacks
– Selection switch for online/offline mode
– with green and red status LED for LAN status, operational stand-by, KNX status and gateway connection
– RJ45 Port for LAN connection
– with 2 USB jacks type B, USB 2.0 compliant

Suitable for	Order no.
KNX Operating systems	
KNX Sensors	
KNX Actuators	
replacement	
KNX power supply 2 x 320 mA + 24 V DC, 640 mA RMD	TXA114

Design	Order no.	PU
KNX system package commissioning tool easy link RMD	**TXA100**	1

Power supplies

KNX power supply 640 mA RMD

Operating voltage	230 V~
Frequency	50/60 Hz
Output voltage	28 ... 32 V=
Output current	max. 640 mA
Bus lines	max. 1
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Width of rail mounted device (RMD)	4 modules

– one output 640 mA incl. choke
– with electronic short-circuit and overload protection
– protected earth conductor must be connected
– with QuickConnect plug-in terminals

Design	Order no.	PU
light grey	**TXA112**	1

KNX power supply 2 x 320 mA RMD

Operating voltage	230 V~
Frequency	50/60 Hz
Output voltage	28 ... 32 V=
Output current	max. 640 mA
Bus lines	max. 2
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Width of rail mounted device (RMD)	4 modules

– with green LED for display of power supply per output
– with red LED for display of short-circuit and overload protection per output
– with 2 outputs incl. choke per output
– with electronic short-circuit and overload protection
– protected earth conductor must be connected
– with QuickConnect plug-in terminals

Design	Order no.	PU
light grey	**TXA116**	1

KNX power supply 320 mA RMD

Operating voltage	230 V~
Frequency	50/60 Hz
Output voltage	28 ... 32 V=
Output current	max. 320 mA
Bus lines	max. 1
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Width of rail mounted device (RMD)	4 modules

– one output 30 V DC, 320 mA incl. choke
– with electronic short-circuit and overload protection
– protected earth conductor must be connected
– with QuickConnect plug-in terminals

Design	Order no.	PU
light grey	**TXA111**	1

:hager

KNX power supply 2 x 320 mA + 24 V DC, 640 mA RMD

Operating voltage	230 V~
Frequency	50/60 Hz
Output voltage	28 ... 32 V=
Output current	max. 320 mA
Bus lines	max. 1
Operating temperature	- 5 ... + 45 °C
Conductor cross-section (flexible)	0.75 ... 2.5 mm²
Conductor cross-section (rigid)	0.75 ... 2.5 mm²
Width of rail mounted device (RMD)	4 modules

– with green LED for display of power supply per output
– with red LED for display of short-circuit and overload protection per output
– one output 30 V DC, 320 mA incl. choke
– one output 24 V, 640 mA
– with electronic short-circuit and overload protection
– protected earth conductor must be connected
– with QuickConnect plug-in terminals

Suitable for	Order no.
Blind actuator 4gang RMD 24 V DC	T XA624D
Weather station with GPS surface-mounted	TXE531
KNX thermostat	8044 01 00
KNX room controller	8066 01 00
KNX Configuration server easy link RMD	TJA665
KNX system package commissioning tool easy link RMD	TXA100

Design	Order no.	PU
light grey	**TXA114**	1

Electrical power supply 24 V DC RMD

Operating voltage	230 V~
Frequency	50/60 Hz
Output voltage	24 V=
Output current	max. 1 A
Current consumption	< 150 mA
Power consumption	36 W
Operating temperature	+ 0 ... + 45 °C
Width of rail mounted device (RMD)	4 modules

– with QuickConnect plug-in terminals

Suitable for	Order no.
Touch Panel	
Weather station with GPS surface-mounted	TXE531
Blind actuator 4gang RMD 24 V DC	T XA624D
domovea Server incl. software RMD	TJA450
KNX room controller	8066 01 00
KNX thermostat	8044 01 00

Design	Order no.	PU
light grey matt	**TGA200**	1

Bus cable

EIB-Y (ST) Y x 2 x 2 x 0.8mm
Insulated 4kV, possible installation
Near LV conductors

	length 100m	**TG018**
	length 500m	**TG019**

Bus connector

(package = 50 pieces)
4 links per connector

TG008

Couplers

Coupler RMD

Operating voltage over bus	21 ... 32 V=
Operating temperature	- 5 ... + 45 °C
Dimensions (W x H x D)	36 x 90 x 70 mm
Width of rail mounted device (RMD)	2 modules

– with 2 yellow data traffic LEDs for higher and lower ranking line
– with green operation LED, red programming LED and red diagnosis LED
– with programming button
– line connection via connecting terminal

Design	Order no.	PU
light grey	**TYF130**	1

Characteristics
- Transmitters are uni–directional in use and bi–directional during configuration
- Frequency: 868.3 MHz radio KNX
- Low battery indication
- Average life of battery: 5 years
- Range: 100m in open field

Radio wall detectors
Can be fixed in a location and used to control a radio receiver with a 230V 10A contact.

Characteristics
- Available in battery and solar versions
- Detection angle: 220°

- IP55/IK04
- Uni–directional in use and bi–directional during configuration
- Frequency: 868.3 MHz KNX radio
- Range: 100m in free field
- Delivered with 3 x 1.5V batteries.

Description	Characteristics		Cat. ref.
IR movement detectors wall mounted KNX radio	battery emitter solar emitter	white	**TRE520**
		anthracite	**TRE521**
		white	**TRE530**
		anthracite	**TRE531**
IR movement detector and LED floodlight		white	**TRE600**
Pushbuttons IP55 KNX radio	1 button/1 input		**TRE301**
	2 buttons/2 inputs		**TRE302**
Recessed input modules KNX radio	2 input battery supply CR1/2 AA 3V for 2 volt–free input contacts		**TRM702A**
			TRB302B
	2 input 230V supply for 2 volt–free input contacts		

TRE520

TRE600

TRE302

TRB302B

Description	Characteristics	Cat. ref.
KNX radio remote controls	2 button	**TU402**
Delivered with battery CR2430–3V	4 button	**TU404**
	6 button	**TU406**
	6 button 18 channels	**TU418**

TU404

TU418

KNX radio receivers act as power interfaces to control electrical loads.

Characteristics
• Bi–directional receivers
• Frequency: 868.3 MHz KNX radio

Lighting functions
• ON/OFF (impulse)
• ON
• OFF
• ON/OFF (switch)
• Timer
• Force ON
• Force OFF

Shutter functions
• Up
• Down
• Scenario
• Up/down (switch)
• Force up
• Force down

Description	Characteristics	Cat. ref.
Recessed receiver ON/OFF KNX radio	2 binary inputs + 1 x 2-wire output 200W	**TRM690G**
Combined input/output unit KNX radio	2 binary inputs + 1 output 3A, 230V	**TRM693G**
	2 binary inputs + 1 potential-free output 4A	**TRM694G**
Recessed shutter/blind receiver KNX radio **Combined input/output unit KNX radio**	2 binary inputs + 1 shutter output 3A, 230V	**TRM692G**
Recessed dimmer KNX radio	2 binary inputs + 1 2-wire dimmer output 200W	**TRM691E**
Receiver ON/OFF IP55 KNX radio	dimensions 150 x 85 x 35mm	**TRE201**
	1 output 10A/230V AC1	**TRE202**
	2 outputs 10A/230V AC1	
Receiver shutter/blind IP55 KNX radio	dimensions 150 x 85 x 35mm	**TRE221**
	1 output shutter/blind up/down 4 wire (↑,↓, Ph, N) 10A/230V AC1	
Receiver 1 input + 1 output IP55 KNX radio	1 volt–free input contact 1 output 10A/230V AC1	**TRE400**
Motion detector kit IP55 KNX radio	includes: 1 TRE520 motion detector 1 TRE201 wall mounted output	**TRE720**

TRM693G

TRM692G

TRM691E

TRE202

Media coupler
Serves as link between the wire and radio product

Repeater
Amplifies the KNX radio signal. Utilisation: if distance is important or unfavourable environment.

TR131B

TRB140

9061-00

98550910

TG200C

Description	Characteristics	Cat. ref.
Media coupler Allows transmission of messages of twisted pair products towards radio products and vice versa	supply: via bus frequency: 868,3 MHz bidirectional product	**TR131B**
A radio repeater To be used in case of poor communication, amplifies the radio messages	supply: 230 V frequency: 868,3 MHz bidirectional product dim. : 111 x 51 x 18 mm	**TR140B**
Cavity wall 1 gang box with device screws	Depth: 35mm Cut-out dimension: Ø = 68mm	**9061-00**
Adapter support ring steel		**98550910**
Bag of 50 bridges	black	**TG200A**
	gray	**TG200B**
	brown	**TG200C**

Numerical Index

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Hager Ltd. - Ireland
Unit M2
Furry Park Industrial Estate
Swords Road
Santry
Dublin 9
D09 NY19
Ireland

Republic of Ireland Tel: 1890 551 502
Republic of Ireland Fax: 1890 551 503
Northern Ireland Tel: 00 44 2890 020165
Northern Ireland Fax: 00 353 1 8869520

hager.ie
customer.service@hager.ie

Hager Ltd.
Hortonwood 50
Telford
Shropshire
TF1 7FT

Sales Service Centre: 01952 675612
Sales Service Centre Faxline: 01952 675645
Technical Service Centre: 01952 675689
Technical Service Centre Faxline: 01952 675557

hager.co.uk
sales@hager.co.uk
technical@hager.co.uk