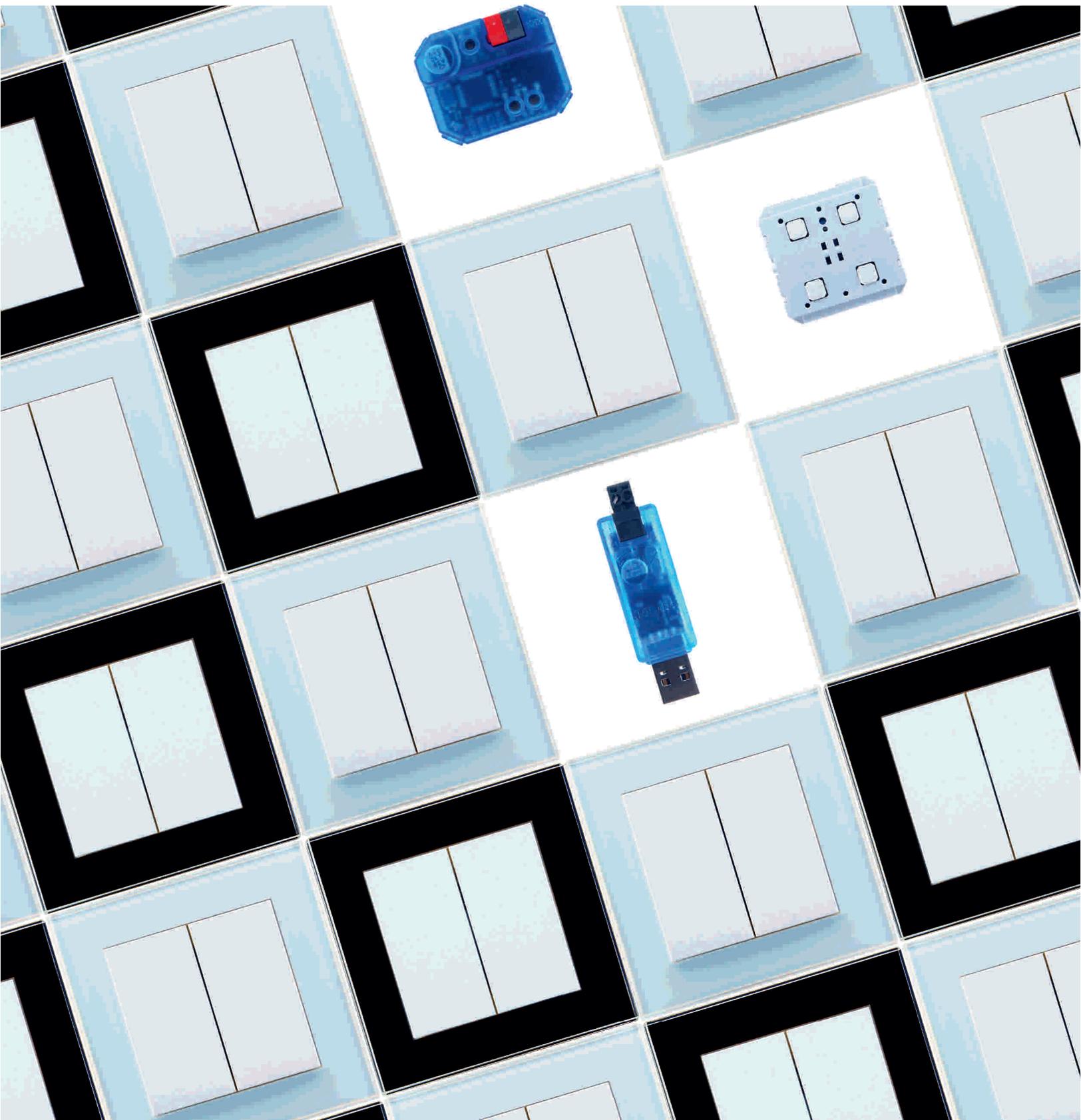


MADE  
IN  
GERMANY

WEINZIERL



KNX®

devices 2020

# About us

## Competence

Weinzierl has its own system development, both in the field of KNX stacks as well as software tools. This development forms the basis for the rapid implementation of new technologies such as KNX RF (radio) with complete ETS® integration or innovations like KNX IP-only devices.

## Company

Weinzierl Engineering GmbH develops software and hardware components for building technologies. We focus on building control based on open technologies such as KNX, EnOcean, Modbus and others. This ensures the sustainability of the products for our customers.

## Portfolio

As a manufacturer of KNX devices, our focus is on interface and gateway solutions thus system devices with high complexity. New are our devices from the KNX Compact and Multi IO series as well as devices for KNX RF and KNX IP only.

## Quality

The high quality of our products and the customer orientation of our services are a trademark that is appreciated by our customers. Our high quality standards is underlined by our ISO 9001 certification and our internal quality management system.

## Team

With our team of experienced developers and dedicated staff, we offer extensive knowledge and expertise in intelligent building system technology - successfully for more than 15 years.

# Focus on KNX

## Worldwide success

A true global standard: the world of home and building automation "speaks" KNX. Some millions of successful KNX installations can be found not only in Europe but also in the Far East as well as in North and South America - proof of the global appeal of the KNX technology.



enocean®



DMX



## Setting standards

Whether in a single-family home or in an office complex: the requirements for comfort and scope for controlling air-conditioning, lighting and access control are growing. At the same time, the efficient use of energy is becoming increasingly important. This can only be achieved with an intelligent connection and control of all components.

## Simply secure

The security requirements in building automation are increasing. Weinzierl has recognized this at an early stage and is significantly involved in the development of KNX Secure and secure EnOcean devices and solutions to improve the security of KNX installations even further.

## First choice

The best solution is KNX - the world's only open standard for home and building system technology. KNX was confirmed as the first worldwide standard for building system technology according to EN and ISO / IEC. With our own devices for EnOcean we support another successful standard of building automation, which is particularly suitable for retrofit solutions.

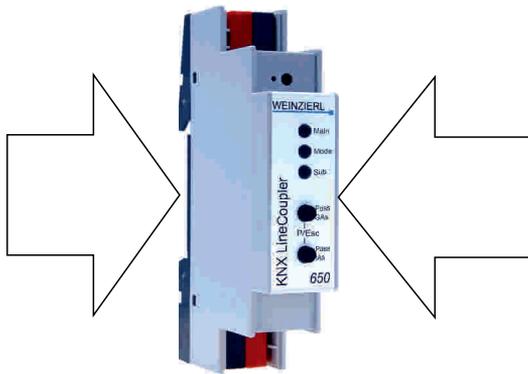
2/3	About us / Focus on KNX
4/5	KNX Basic devices
6/7	KNX Compact IO
8/9	KNX Blue IO
10/11	KNX Multi IO + Extensions
12/13	KNX IP
14/16	KNX BAOS / Connecting worlds
17/19	KNX MATCH 55
20/21	KNX GlassTouch
22/23	KNX RF / KNX ENO

# Powerful base



## Backbone of your installation

System devices form the technical backbone of every KNX installation. Therefore the quality of the system devices is essential for reliable operation. Since the devices are in operation around the clock, low energy consumption is essential in terms of CO<sub>2</sub> avoidance and green buildings. Our bus power supplies are characterized by high efficiency and at the same time require only 4 units (72 mm) of space.



## Saving space and costs

Every unit in the switch cabinet is associated with costs, all the more so when space is at a premium. The high level of integration of our system devices therefore not only saves space in the distribution, but also costs. With the KNX TP LineCoupler 650, we offer you a line coupler with only 1 unit (18 mm) with one bus connector each for the main and subline.

## Look closer

Diagnostic functions reduce maintenance costs. The system devices from Weinzierl offer various diagnostic functions to quickly locate system errors. For example, both the interface devices and the couplers are able to visualize faulty telegrams or telegram repetitions. The most powerful diagnostic functions are provided by the KNX PowerSupply DGS 366 and KNX PowerSupply USB 367 both via the bus and via the integrated display.



## Why a power supply with a display?

This raises the question of whether a power supply actually requires a display. The answer is simple: If everything works perfectly, it can work without, but if the KNX system does not work reliably, the diagnosis via the display provides valuable information for further analysis.

# Basic devices for KNX

## KNX USB Interface 312 (Art. No. 5229)



Compact USB data interface between a PC or laptop and KNX bus. The device can be used as a programming interface for the ETS® software.

- Support of KNX long frames
- Support of Weinzierl BAOS Protocol V2
- Connectors: KNX, USB Type B
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 178.00 €

## KNX USB Interface Stick 332 (Art. No. 5254)



Compact USB data interface in stick format between a PC or laptop and the KNX bus. The stick can be used as programming interface for the ETS® software.

- Support of KNX long frames
- Support of Weinzierl BAOS Protocol V2
- Connectors: KNX, USB Type A
- Size (LxWxH): 58x18x12 mm

Gross price\* 178.00 €

## KNX PowerSupply 365 (Art. No. 5335)



Bus power supply with high efficiency and low space requirement. Integrated bus choke and output for auxiliary voltage.

- Output current 640 mA with bus choke
- Status display via 3 LEDs
- Connectors: KNX, plug-in screw connector for 230 V~, auxiliary power output 29 V==
- DIN rail mounted device, 4 units (72 mm)

Gross price\* 238.00 €

## KNX PowerSupply DGS 366 (Art. No. 5207)



Bus power supply with high efficiency and low space requirement. Comprehensive diagnostic functions. Integrated bus choke and output for auxiliary voltage.

- Output current 640 mA with bus choke
- Integrated KNX node with diagnosis and logic functions
- With graphical display (OLED)
- Connectors: KNX, plug-in screw connector for 230 V~, auxiliary power output 29 V==
- DIN rail mounted device, 4 units (72 mm)

Gross price\* 328.00 €

## KNX PowerSupply USB 367 (Art. No. 5219)



Bus power supply like the model KNX PowerSupply DGS 366 but with additionally integrated USB Interface

- Programming Interface for ETS®
- Support of KNX Long Frames
- USB Connector: Micro type B

Gross price\* 398.00 €

## KNX TP LineCoupler 650 (Art. No. 5233)



KNX TP line coupler in compact design. It connects two KNX segments (e.g. a KNX line with a KNX area).

- For connection of 2 KNX lines (main line and sub line)
- Extended filter table (main group 0..31)
- Status display via 3 LEDs
- Connectors: KNX main line, KNX sub line
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 249.00 €

# Switching, blinds and dimming

## Easy to install, easy to operate

With the KNX Compact IO series Weinzierl offers universal inputs and outputs for KNX with a striking small width of only 1 unit (18 mm). This granularity offers maximum flexibility especially for small and medium sized installations. All devices have a uniform operating concept with 3 multicoloured LEDs and 2 keys for manual operation. An easy to install design with screw terminals for plugging in and out helps to reduce costs on the construction site. All devices can be configured with the ETS software without plug-ins and are characterized by short download times.

## See it in a new light

Light is a decisive factor for comfort and well-being in buildings. Due to the large number of different light sources and customer requirements, dimming is increasingly becoming a challenge. The dimming actuators from the Compact IO series offer optimum solutions for almost all requirements. For lamps with mains voltage as well as for LEDs in low voltage technology. For color control with RGB or color temperature control with Tunable White. All Weinzierl dimming actuators have numerous comfort functions such as snooze light or sequencer.



### KNX IO 410 (Art. No. 5230) KNX IO 411 (Art. No. 5231)



Compact binary input with 4 channels for controlling lights, blinds etc.

- Switching, dimming, blinds, scenes, impulse counter
- Integrated logic and time functions
- Connectors: KNX, plug-in screw connectors for IO
- DIN rail mounted device, 1 unit (18 mm)

<b>5230</b>	<b>Gross price*</b>	<b>98.00 €</b>
<b>5231</b>	<b>Gross price*</b>	<b>98.00 €</b>

KNX IO 410 Art. No. 5230: 4 Inputs 12..230 V $\sim$ , galvanically isolated  
KNX IO 411 Art. No. 5231: 4 Inputs for dry contacts, galvanically isolated

### KNX IO 510 (Art. No. 5224)



Compact switching actuator with 2 outputs. Functions for universal output, staircase lighting, heating actuator etc.

- 2 Output Relays 230 V $\sim$ , 8 A, bi-stable
- Switching, staircase function, heating actuator
- Integrated logic and time functions
- Connectors: KNX, plug-in screw connectors for IO
- DIN rail mounted device, 1 unit (18 mm)

<b>Gross price*</b>	<b>98.00 €</b>
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### KNX IO 511 (Art. No. 5232) KNX IO 511 *secure* (Art. No. 5327)



Compact switch actuator with one bi-stable output and 2 binary inputs. Suitable as KNX-compatible replacement for conventional impulse switches (output: lights, input 1: push-button, input 2: L for zero-crossing detection).

- Output Relay 230 V $\sim$ , 16 A, bi-stable
- Switching, staircase function, heating actuator
- 2 Inputs 12..230 V $\sim$ , galvanically isolated
- Switching, dimming, blinds, scenes, impulse counter
- Integrated logic and time functions
- Connectors: KNX, plug-in screw connectors for IO
- DIN rail mounted device, 1 unit (18 mm)

<b>5232</b>	<b>Gross price*</b>	<b>98.00 €</b>
<b>5327</b>	<b>Gross price*</b>	<b>on request</b>

KNX IO 511 Art. No. 5232  
KNX IO 511 *secure* Art. No. 5327: Support of KNX Data Security

## KNX IO 520 (Art. No. 5225)



Compact blinds/shutter actuator with two additional binary inputs. Numerous functions including position movement via time calculation.

- 1 Output for blinds/shutters, 230 V~, 8 A
- Drive directions electro-mechanically locked against each other
- For blinds, roller shutters or window drives
- Drive to position via time calculation
- 2 Inputs 12..230 V=~, galvanically isolated
- Switching, dimming, blinds, scenes, impulse counter
- Integrated logic and time functions
- Connectors: KNX, plug-in screw connectors for IO
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 98.00 €

## KNX IO 530 (Art. No. 5312)



Compact 230 V universal dimmer with one output and 2 binary inputs. The dimmer supports numerous functions (staircase, snooze) as well as phase leading and trailing edge.

- Output for 230 V~/ 200 W,
- Scene support, sequencer, staircase function, adjustable dimming curve
- 2 Inputs for 230 V~ same potential as dimming actuator
- Integrated logic and time functions
- Connectors: KNX, plug-in screw connectors for IO
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 128.00 €

## KNX IO 532 (Art. No. 5313)



Compact dimming actuator with one PWM output for dimming LED and one relay output. Dimming actuator can be used e.g. for LED panels/strips. Relay output can be used to switch the LED power supply.

- Output for 12-24 V= / 6 A, PWM dimming
- Scene support, sequencer, staircase function, adjustable dimming curve
- Relay 230 V~/ 8 A, bi-stable
- Integrated logic and time functions
- Connectors: KNX, plug-in screw connectors for IO
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 128.00 €

## KNX IO 534 CV (Art. No. 5314) KNX IO 536 CC (Art. No. 5354)



Compact 4-fold dimming actuator with RGB, RGBW and Tunable White (TW) functions. The dimming actuator can be used e.g. for LED panels/strips with RGB / RGBW / TW configuration or as 4 independent dimming channels.

- Output for 12-24 V= / 6 A, freely distributable (for CV)
- Scene support, sequencer, staircase function, adjustable dimming curve
- Integrated logic and time functions
- Connectors: KNX, plug-in screw connectors for IO
- DIN rail mounted device, 1 unit (18 mm)

5314 Gross price\* 148.00 €  
5354 Gross price\* 148.00 €

KNX IO 534 Art. No. 5314: Constant Voltage (CV)  
KNX IO 536 Art. No. 5354: Constant Current (CC)

## KNX IO 546 (Art. No. 5315)



Compact dimming/switching actuator with one dimming channel for the connection of active electronic ballasts with a 0/1..10V interface and one relay output. The relay output can be used to switch the load.

- Output for 0/1..10 V= / max. 50 mA
- Scene support, sequencer, staircase function, adjustable dimming curve
- Relay 230 V~/ 8 A, bi-stable
- Integrated logic and time functions
- Connectors: KNX, plug-in screw connectors for IO
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 108.00 €

# Dimming the new way

## Get your lights connected

The Weinzierl dimmer family has been expanded eightfold by the new KNX Blue IO 55X product range. The flat design is optimized to be mounted in furniture or ceilings. All devices of the new series offer four dimming outputs for low voltage LEDs with functions for RGB/RGBW and TW (Tuneable White). Each model is available in variants for constant voltage (CV) as well as for constant current (CC). The used dimming mode (constant voltage or constant current) has to fit with the used LED lighting equipment.



## Constant voltage (CV)

The most important advantage of using constant voltage is its simplicity. Constant voltage dimming is based on PWM (pulse-width-modulation), the pulse width represents the brightness of the output. A wide range of LED lamps and LED stripes designed for constant voltage dimming is available on the market, this ensures a high level of compatibility. The devices can operate at a constant voltage of 12 V to 24 V. In constant voltage mode the current limitation which is essential for all LED components is realized within the lamps or stripes, typically just via simple resistors.



## Constant Current (CC)

LED lamps and stripes for constant current do not contain an internal current limitation. Instead these devices specify a nominal current which has to be provided by the connected power supply or dimming actuator. As a benefit the current limitation can be realized with high efficient electronic circuits instead of simple resistors. So the constant current mode leads to a significant lower power dissipation. In constant current mode the output current can be controlled for dimming. As there is no PWM on the output, the dimming behavior is flicker free. LED lamps for constant current are commercially available with typical values of e.g. 350 mA, 700 mA or 1000 mA.



## KNX Media

The KNX Blue IO are available for KNX TP, KNX RF and KNX IP. With KNX IP the dimming actuator can be directly connected to the IP network of a building with full compatibility with the KNX system and with ETS. With variants supporting Power-over-Ethernet (PoE), the LED lamps can be supplied via the network cable. They require only an Ethernet connection but no additional power supply. An optimal approach to the so-called digital ceiling.



## KNX Security

For RF and IP communication secure communication is essential for the user acceptance. But also for twisted pair security helps to protect the infrastructure for example in public buildings or in hotels. All devices of the KNX Blue IO series are supporting KNX Data Security.

## KNX TP Blue IO 550 CV (Art. No. 5377) KNX TP Blue IO 551 CC (Art. No. 5378)



**NEW**

KNX TP 4 channel LED dimming actuator

- Output for 12-24 V<sub>~</sub> / 6 A total (for CV)
- RGB, RGBW, Tunable White
- Scene support, sequencer, staircase function, adjustable dimming curve
- Integrated logic and time functions
- Connectors: KNX, plug-in screw connectors for IO
- Size (LxWxH): 132x46x20 mm

5377	Gross price*	148.00 €
5378	Gross price*	148.00 €

KNX TP Blue IO 550 CV Art. No. 5377: Constant Voltage (CV)  
KNX TP Blue IO 551 CC Art. No. 5378: Constant Current (CC)

## KNX RF Blue IO 552 CV (Art. No. 5379) KNX RF Blue IO 553 CC (Art. No. 5380)



**NEW**

Wireless (KNX RF) 4 channel LED dimming actuator

- Output for 12-24 V<sub>~</sub> / 6 A total (for CV)
- RGB, RGBW, Tunable White
- Scene support, sequencer, staircase function, adjustable dimming curve
- Integrated logic and time functions
- Connectors: Plug-in screw connectors for IO
- Size (LxWxH): 132x46x20 mm

5379	Gross price*	148.00 €
5380	Gross price*	148.00 €

KNX RF Blue IO 552 CV Art. No. 5379: Constant Voltage (CV)  
KNX RF Blue IO 553 CC Art. No. 5380: Constant Current (CC)

## KNX IP Blue IO 554 CV (Art. No. 5381) KNX IP Blue IO 555 CC (Art. No. 5382)



**NEW**

KNX IP-only 4 channel LED dimming actuator

- Output for 12-24 V<sub>~</sub> / 6 A total (for CV)
- RGB, RGBW, Tunable White
- Scene support, sequencer, staircase function, adjustable dimming curve
- Integrated logic and time functions
- Connectors: LAN RJ-45, Plug-in screw connectors for IO
- Size (LxWxH): 132x46x20 mm

5381	Gross price*	on request
5382	Gross price*	on request

KNX IP Blue IO 554 CV Art. No. 5381: Constant Voltage (CV)  
KNX IP Blue IO 555 CC Art. No. 5382: Constant Current (CC)

## KNX IP Blue IO 556 CV (Art. No. 5383) KNX IP Blue IO 557 CC (Art. No. 5384)



**NEW**

KNX IP-only 4 channel LED dimming actuator with PoE

- Output for 12-24 V<sub>~</sub> / 6 A total (for CV)
- RGB, RGBW, Tunable White
- Scene support, sequencer, staircase function, adjustable dimming curve
- Integrated logic and time functions
- Connectors: LAN RJ-45, Plug-in screw connectors for IO
- Size (LxWxH): 132x46x20 mm

5383	Gross price*	on request
5384	Gross price*	on request

KNX IP Blue IO 556 CV Art. No. 5383: Constant Voltage (CV)  
KNX IP Blue IO 557 CC Art. No. 5384: Constant Current (CC)

### General features

All KNX Blue IO devices feature support for scenes, sequencer, staircase function and allow the setting of dimming curves. To simplify configuration and maintenance, the devices share a uniform operating concept based on 5 multi-color LEDs and 2 push-buttons. The load is connected via plug-able screw connector.

# IO Innovations

## New concepts for actuators

Switching and controlling relays - this is one of the core tasks in the world of KNX. Commercially available KNX actuators combine the control and the relays in one housing - in the case of a defective relay a complete replacement then becomes relatively time-consuming.



## Display for diagnosis

The menu system on the display allows quick diagnosis and manual operation of all channels. The display shows the name of the device as well as the names of the individual channels and their function according to the settings in the ETS parameters. The buttons allow manual operation to test the installation. Commercially available coupling relays or the special Multi IO Extensions 590 and 592 can be connected to the KNX Multi IO devices 570 and 580.



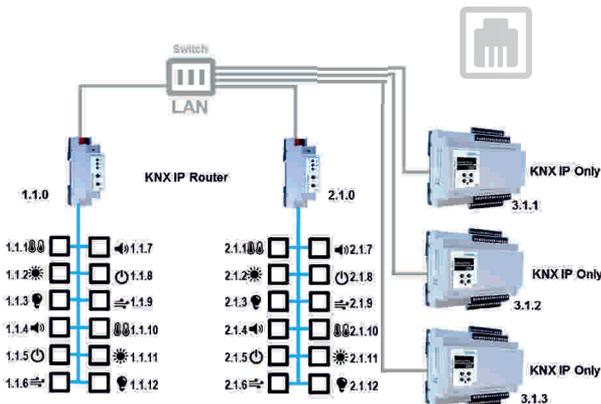
## Modularity saves costs

The devices of the Weinzierl Multi IO series have been inspired by industrial automation and plant engineering. There it is customary to separate the relays from the controlling electronics. This modular approach of devices - the separation of the wear-free control unit and the output relays - reduces installation and maintenance costs. The failure of individual relays can be remedied without tools and without ETS download in no time - without affecting the rest of the installation.



## Completely based on IP

The KNX IP Multi IO 580 offers similar features as the TP version KNX Multi IO 570 and is the first purely IP-based KNX device (KNX IP-only) from Weinzierl. It combines the power of KNX with the advantages of IP/Ethernet technology. The device will be connected over LAN/Ethernet. The connection to the KNX bus TP is done via a KNX IP router. Though no KNX TP bus is connected, KNX IP-only devices are fully fledged KNX devices. They can be configured using ETS software with native parameters and standard group objects. Also the KNX addressing scheme, based on individual device address and group objects, is unchanged. Only the IP settings have to be taken into account. The ETS download is done via the KNX network. If the ETS is connected via IP the download is very fast and requires not more than a few seconds.



# KNX Multi IO and Extensions

## KNX Multi IO 570 (Art. No. 5267)



Universal input and output module for building control. The device offers 48 digital channels. Each channel can be used as a binary input, binary output or blind output. Input channels can be used to connect buttons. Output channels can directly control signal LEDs, external coupling relays or blind relays. The peripherals (e.g. relays) are supplied by an external power supply (24 V $\overline{=}$ ).

- Flexible configuration as binary inputs, outputs or shutter outputs
- Integrated USB interface for programming
- OLED display and buttons for manual operation
- Connectors: KNX, Micro USB Type B, plug-in screw connectors for 24 V $\overline{=}$  (in), plug-in screw connectors for IO
- DIN rail mounted device, 4 units (72 mm)

Gross price\* 398.00 €

## KNX IP Multi IO 580 (Art. No. 5238)



Universal input and output module for KNX IP-only. The device offers 48 digital channels. Each channel can be used as a binary input, binary output or blind output. Input channels can be used to connect buttons. Output channels can directly control signal LEDs, external coupling relays or blind relays. The peripherals (e.g. relays) are supplied by an external power supply (24 V $\overline{=}$ ). The device works using the medium KNX IP and is connected to the KNX installation via LAN/Ethernet.

- Flexible configuration as binary inputs, outputs or shutter outputs
- OLED display and buttons for manual operation
- Connectors: LAN RJ-45, plug-in screw connectors for 24 V $\overline{=}$  (in), plug-in screw connectors for IO
- DIN rail mounted device, 6 units (108 mm)

Gross price\* 490.00 €

## Multi IO Extension Switch 590 (Art. No. 5321)



The relay extension serves as a power-saving alternative to standard coupling relays for operation with Art. No. 5267/5238. Bi-stable relay internal, external control like monostable relay.

- Reduction of the holding current by up to 95 %
- Input (signal) 24 V $\overline{=}$  / output 230 V $\sim$  / 10 A
- Relay 250 V $\sim$  / 16 A
- Integrated fuse (5x20 mm) to protect high quality equipment
- Connectors: screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

Gross price\* 38.00 €

## Multi IO Extension Shutter 592 (Art. No. 5322)



Double relay especially for the control of blinds and shutters. The double relay is connected to only one output of a KNX Multi IO. Directional control of the relay outputs is achieved by coding the input voltage. For operation with Art. No. 5267/5238

- Direction control by the output signal of the KNX Multi IO
- Outputs electro-mechanically locked against each other
- Input (signal) 24 V $\overline{=}$  / output 230 V $\sim$  / 6 A
- Relay 250 V $\sim$  / 6 A
- Integrated fuse (5x20 mm) to protect high quality equipment
- Connectors: screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

Gross price\* 48.00 €

## Relay Extension Switch (Art. No. 5350)



Standard coupling relay for operation with Art. No. 5267/5238

- Extension to the KNX Multi IO series, switching function
- Input (signal) 24 V $\overline{=}$  / output 230 V $\sim$  / 10 A
- Relay 250 V $\sim$  / 12 A, monostable
- Connectors: screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

Gross price\* (10 pcs) 118.90 €

## Relay replacements and spare parts



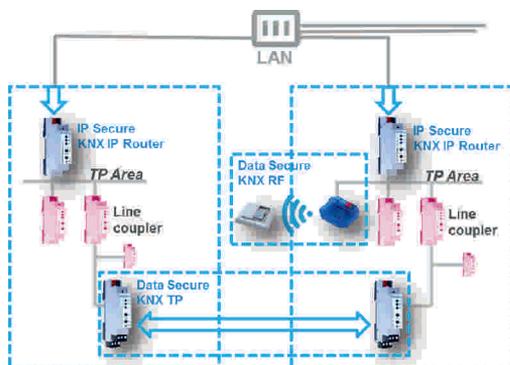
- Replacement/spare relays (Standard) for Art. No. 5322
- Replacement/spare relays (Standard) for Art. No. 5321
- Replacement/spare relays (Tungsten) for Art. No. 5321
- Replacement/spare relays (Manual operation) for Art. No. 5321
- Replacement/spare relays (Standard) for Art. No. 5350

- 5346 Gross price\* (10 pcs) 42.80 €
- 5347 Gross price\* (10 pcs) 49.80 €
- 5348 Gross price\* (10 pcs) 74.40 €
- 5349 Gross price\* (10 pcs) 69.80 €
- 5351 Gross price\* (10 pcs) 42.80 €

# Intelligent protocol

## IP and KNX

While KNX has established itself as the most important standard in building automation, Ethernet has developed into a universal communication solution also for automation tasks. Due to the different system properties, KNX and Ethernet can complement each other perfectly. The decisive advantages of Ethernet lie in its high bandwidth at relatively low system costs and in its enormous spread.



## Logical architecture

For modern buildings this results in a hierarchical architecture of building networking: KNX twisted pair and radio for the distributed sensors and actuators, Ethernet IP as a fast backbone and for interfaces to the PC or laptop. The KNX specification has set a standard for these requirements:

- KNXnet/IP Tunneling: PC access via a LAN connection
- KNXnet/IP Routing: Connection of different KNX lines via IP

## KNX IP Security

Secure communication is more and more a requirement also for building control. The KNX Standard specifies a sophisticated solution for KNX Security. It is based on today's technologies like AES and meanwhile fully integrated in ETS software. KNX IP Security encrypts KNX IP communication while communication on KNX TP remains unencrypted. The main advantage of this approach is that the existing KNX TP devices and installations can continue to be used unchanged.



## Turn on Security

KNX Security enables the secure forwarding (routing) of telegrams between different lines via a LAN (IP, Ethernet) as a fast backbone. As a secure router, the device enables the coupling of unsecured communication on a KNX TP line with a secure IP backbone. With IP interfaces to the bus (tunneling), KNX IP Security prevents unauthorized access to the system. The connection between PC and interface is encrypted. The encryption also enables secure programming via the Internet. The security option can be activated or deactivated in the ETS.

## KNX IP Interface 731 (Art. No. 5242)



Compact programming interface for connecting a PC to the KNX bus. The connection is made via a LAN interface (IP). Power supply is via the KNX bus.

- KNXnet/IP tunneling, ETS programming interface
- 5 tunnelling connections
- Bus powered
- Connectors: KNX, LAN RJ-45
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 199.00 €

## KNX IP Interface 732 secure (Art. No. 5248)



Compact programming interface for connecting a PC to the KNX bus. Support of KNX Security. The connection is established via a LAN interface (IP). Power supply is via the KNX bus.

- KNXnet/IP tunneling, ETS programming interface
- Support of KNX Security
- 8 tunnelling connections
- Bus powered
- Connectors: KNX, LAN RJ-45
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 199.00 €

## KNX IP Router 751 (Art. No. 5243)



The compact router enables the forwarding of telegrams between different lines via a LAN (IP) as a fast backbone. The device also serves as a programming interface between a PC and the KNX bus (e.g. for ETS® programming).

- KNXnet/IP routing & tunneling, ETS programming interface
- 5 tunnelling connections
- Bus powered
- Extended filter table for main group 0..31
- Connectors: KNX, LAN RJ-45
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 398.00 €

## KNX IP Router 752 secure (Art. No. 5249)



The compact router enables the forwarding of telegrams between different lines via a LAN (IP) as a fast backbone. Support of KNX Security. The device also serves as a programming interface between a PC and the KNX bus (e.g. for ETS® programming).

- KNXnet/IP routing & tunneling, ETS programming interface
- Support of KNX Security
- 8 tunnelling connections
- Bus powered
- Extended filter table for main group 0..31
- Connectors: KNX, LAN RJ-45
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 398.00 €

## KNX IP LineMaster 762 (Art. No. 5212)



The device combines the central functions of a KNX bus line: bus power supply with bus choke, KNX IP Router and KNX IP Interface with small space requirements. The KNX IP Router in the LineMaster enables the forwarding of telegrams between different lines via a LAN (IP) as a fast backbone. The device also serves as programming interface between a PC and the KNX bus (e.g. for ETS® programming).

- Output 640 mA with integrated bus choke
- 6 tunnelling connections
- With graphical display (OLED)
- Extended filter table for main group 0..31
- Connectors: KNX, auxiliary power output 29 V<sup>==</sup>, LAN RJ-45, plug-in screw connector for 230 V<sup>~</sup>
- DIN rail mounted device, 6 units (108 mm)

Gross price\* 548.00 €

# Connecting worlds

## KNX IP BAOS

From the telegram to the data point:  
While standard KNX IP interfaces and KNX IP routers work exclusively at the telegram level, the devices of the KNX IP BAOS series also provide access to data point level. As a result, non-KNX devices can be fully integrated into the KNX system. The links to other KNX devices are made with the ETS software. This guarantees the consistency of all KNX addresses used in the system. The BAOS architecture is also an optimal platform for integrating mobile devices.

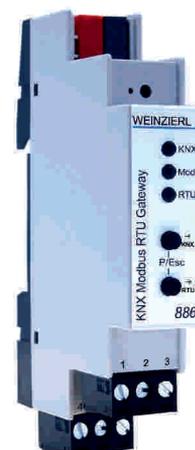


### KNX IP BAOS 773/774

The KNX IP BAOS 773/774 offers KNXnet/IP tunneling (for ETS) with up to 5 connections and a BAOS Object Server with up to 10 connections at a width of just 18 mm. The low-power design allows a power supply via the KNX bus. For getting started, a generic database with 250/1000 data points is available as well as a DCA (Device Configuration App for ETS) with csv-file import and export. With the KNX MT (manufacturer tool) individual ETS product data bank entries can be created.

### KNX Modbus RTU Gateway 886

The KNX Modbus RTU Gateway 886 allows an easy integration of Modbus devices which support the RTU protocol on RS-485 and can act as a Modbus Master or Slave. The assignment between KNX objects and Modbus registers can be configured via parameters in the ETS.



### KNX DMX Gateway 544

The KNX DMX Gateway 544 is a compact gateway between KNX and DMX512 (protocol for lighting control) with up to 64 freely configurable channels. In master mode, the device allows convenient control of DMX lights. Up to 64 dimming channels or up to 8 RGB/RGBW channels are available. In slave mode KNX actuators can be controlled by DMX. Up to 64 DMX512 addresses can be individually evaluated and sent to KNX. Dimming value, switching with switching threshold and RGB value are available for interpretation.

# DMX

# KNX IP BAOS



## Integrated webserver and visualization

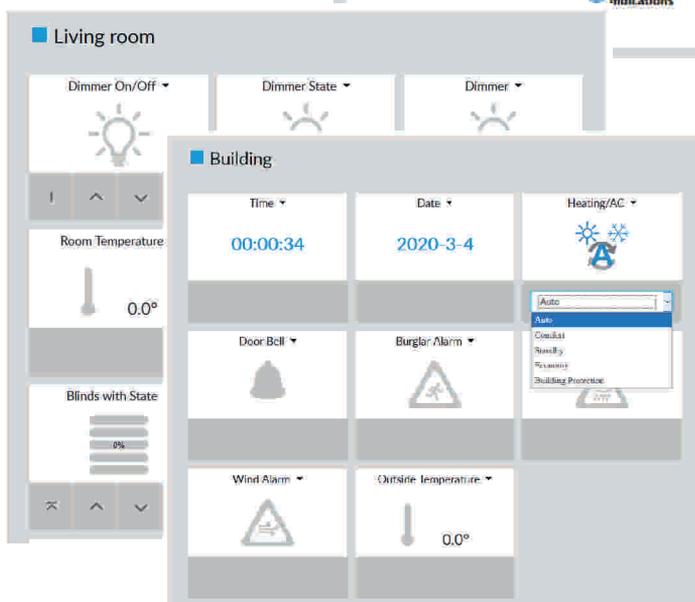
The KNX IP BAOS 777 is the most powerful platform of our BAOS series. It features a built-in web server for simple visualization via a web browser running on a PC or mobile device. The configuration can easily be done via ETS parameters only - no extra setup or software tool is necessary.

## Timer and data logging

In addition to the extensive timer functions, the KNX IP BAOS 777 also has an integrated data logger that can be activated for each configured data point. An OLED display and 4 buttons that allow fast information retrieval and settings directly on the device.

## E-mail services

The integrated e-mail functionality allows the easy setup of push notifications for individual-ly selected functions and data points.



## Web services

For developers the device supports RESTful web services with up to 2000 data points. Thus the KNX IP BAOS 777 is an universal residential gateway for many use cases in building control.

# BAOS and Gateways

## KNX IP BAOS 773 (Art. No. 5262) KNX IP BAOS 774 (Art. No. 5263)



KNX IP interface to the KNX bus both at telegram level (KNXnet/IP tunneling) and at data point level (KNX Application Layer). This enables clients to access group objects directly via TCP/IP or UDP/IP using a binary protocol. Java Script Object Notation (JSON) is available as an alternative protocol for use in web browsers.

- BAOS binary V2
- 5 tunnelling connections / 10 BAOS connections
- Bus powered
- Connectors: KNX, LAN RJ-45
- DIN rail mounted device, 1 unit (18 mm)

5262 Gross price\* 298.00 €  
5263 Gross price\* 378.00 €

KNX IP BAOS 773 Art. No. 5262: 250 Data Points  
KNX IP BAOS 774 Art. No. 5263: 1000 Data Points

## KNX IP BAOS 777 (Art. No. 5193)



Universal KNX IP interface with integrated web server and visualization. Access to the KNX bus both at telegram level (KNXnet/IP tunneling) and at data point level (KNX Application Layer). This enables clients to access group objects directly via TCP/IP or UDP/IP using a BAOS protocol.

- Object Server with up to 2000 data points
- BAOS binary V2 & JSON web services
- Power over Ethernet (PoE)
- Graphical display (OLED)
- 8 tunnelling connections / 10 BAOS connections
- Connectors: KNX, LAN RJ-45, 12-30 V==
- DIN rail mounted device, 2 units (36 mm)

Gross price\* 478.00 €

## KNX Serial 870 (Art. No. 5122)



Simple integration solution for non-KNX devices. As RS-232 interface the device uses the proven FT1.2 protocol (PEI 10) as telegram format.

- Objekt Server with 250 data points
- BAOS Binary V1
- Connectors: KNX, RS232 (Sub-D, fem.)
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 190.00 €

## KNX BAOS Modul 838 kBerry (Art. No. 5208)



KNX module with serial protocol as extension board for Raspberry Pi

- 1000 data points
- Size (LxW): 56x35 mm
- Free BAOS SDK for Raspian (see [www.weinzierl.de](http://www.weinzierl.de))

Gross price\* 68.00 €

## KNX Modbus RTU Gateway 886 (Art. No. 5256)



Easy integration of Modbus devices supporting the RTU protocol via RS-485. Modbus master or Modbus slave.

- Assignment between KNX and Modbus via ETS® parameters
- 250 data points
- Connectors: KNX, plug-in screw connectors for Modbus, power supply
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 348.00 €

## KNX DMX Gateway 544 (Art. No. 5358)



Compact gateway between KNX and DMX512 with up to 64 freely configurable channels. Master mode (KNX to DMX lights) and slave mode (DMX controller to KNX actuators).

- Assignment between KNX and DMX512 via ETS® parameters
- Master: up to 64 individual dimming channels or up to 8 RGB/RGBW channels
- Slave: up to 64 DMX addresses individually evaluated
- Connectors: KNX, plug-in screw connectors for DMX512, power supply
- DIN rail mounted device, 1 unit (18 mm)

Gross price\* 298.00 €

# MATCH 55

## MATCH 55 - it simply fits

With a rocker size of 55 x 55 mm the MATCH 55 series products KNX RF/ENO Push Button Insert 440 and KNX TP Push Button Insert 420 fit perfectly to numerous frame series and sockets available on the market. Both are available as single or double rocker with a gentle and quiet keystroke which is ideal for their installation in bedrooms and living rooms.

MATCH 55



### *Fusion – our design favourite:*

Our MATCH 55 Push Button Inserts are compatible with many frames of different manufacturers supporting a 55 mm design range. Nevertheless in our portfolio we offer the design series 'Fusion' in two colors and two materials including real glass. Fusion is a frame design of the brand Opus® by Jäger Direkt, Germany. For more information please contact Jäger Direkt / Jäger Fischer GmbH & Co. KG.

# Push it

## KNX RF/ENO Push Button Insert 440 *secure*

Wireless switches are required if a cable is no option. Due to the flat mechanic design the new RF push button can be mounted on the surface e.g. on walls of glass. The KNX RF/ENO Push Button Insert 440 *secure* unites two wireless protocols in one device: EnOcean and KNX RF. Out of the box the push button operates in EnOcean mode. EnOcean *secure* mode can be enabled via pressing a key combination. By configuration with the ETS® the push button switches to KNX RF mode with optional support of KNX security. Via a factory reset the device can be switched back to EnOcean protocol.

### *Powered by a battery*

EnOcean is a well-tried standard mainly known for self-powered devices. Battery-less push buttons are an interesting solution but also having some drawbacks like required force and noise. To overcome this our RF Push Button Insert uses a battery to achieve a soft and quiet user experience. The gentle and quiet push-button action enables installation in bedrooms and living rooms. The Push Button Insert 440 *secure* is operated by a battery of type CR2032. The typical life time of the battery is five years. The Push Button Insert RF running in EnOcean mode can be used of course in any EnOcean installation but can also be integrated into a KNX network using our KNX ENO Gateways 626 or 636 *secure*.

### *Easy installation and operation*

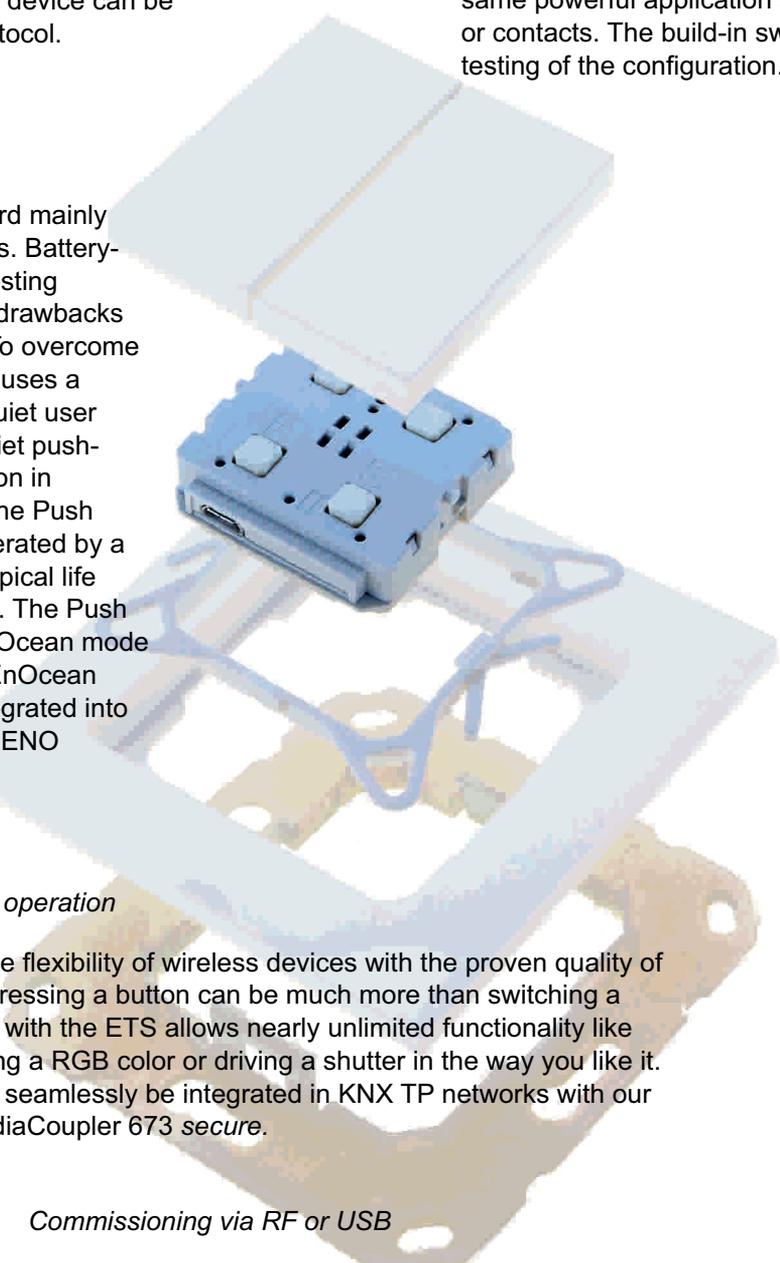
KNX RF combines the flexibility of wireless devices with the proven quality of the KNX Standard. Pressing a button can be much more than switching a light. Commissioning with the ETS allows nearly unlimited functionality like calling a scene, setting a RGB color or driving a shutter in the way you like it. KNX RF devices can seamlessly be integrated in KNX TP networks with our new KNX RF/TP MediaCoupler 673 *secure*.

### *Commissioning via RF or USB*

Like all KNX devices also our KNX RF Push Button Insert 440 *secure* can be programmed via the KNX network. ETS can be connected via a dedicated KNX USB Interface for RF or via a TP interface and a KNX RF/TP media coupler. The integrated USB interface in the KNX Push Button Insert 440 RF *secure* can be used to program the device directly by ETS but it also allows to program other KNX RF devices over the air.

## KNX TP Push Button Insert 420 *secure*

The TP version of our Push Button Insert has an integrated bus coupler for the KNX bus. The flat design allows mounting even on wall boxes with reduces space. Furthermore, the device includes a timed telegram sequencer and supports ten independent logic or timer functions. The device is also available as Push Button Interface. This variant does not include rockers and mounting frames but interface wires to connect standard switches with dry contacts. So you can use the same powerful application also for other switches or contacts. The build-in switches allow a fast testing of the configuration.



# KNX MATCH 55

## MATCH 55 KNX TP Push Button Insert 420 *secure* Single Rocker (Art. No. 5375) MATCH 55 KNX TP Push Button Insert 420 *secure* Double Rocker (Art. No. 5325)



**NEW**

The MATCH 55 KNX TP Push Button Insert 420 *secure* offers optional support of KNX Security.

- Pleasantly soft and light pressure point
- Fits in standard 55 mm push button housings
- Complete mounting kit (without design frame)
- Connector: KNX
- Size (LxWxH): 40x40x11,2 mm (insert)

5375 Gross price\* 78.00 €  
5325 Gross price\* 83.00 €

KNX TP Push Button Insert 420 *secure* Art. No. 5375: Single Rocker  
KNX TP Push Button Insert 420 *secure* Art. No. 5325: Double Rocker

## KNX TP Push Button Insert 420 *secure* Binary Input 4-fold (Art. No. 5385)



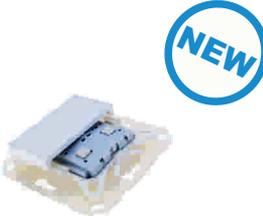
**NEW**

The KNX TP Push Button Insert 420 *secure* as 4 channel binary input

- Pleasantly soft and light pressure point
- Fits in standard 55 mm push button housings
- Integrated Binary Input for dry contacts with 4 Channels
- Connectors: KNX, Push button interface
- Size (LxWxH): 40x40x11,2 mm (insert)

5385 Gross price\* 75.00 €

## MATCH 55 KNX RF/ENO Push Button Insert 440 *secure* Single Rocker (Art. No. 5374) MATCH 55 KNX RF/ENO Push Button Insert 440 *secure* Double Rocker (Art. No. 5326)



**NEW**

The wireless MATCH 55 KNX RF/ENO Push Button Insert 440 *secure* offers support for EnOcean and KNX RF in one device. The device operates in EnOcean mode without configuration (EnOcean Security is activated via a simple push button combination). By configuration with the ETS®, the push button switches to KNX RF mode and offers an optional support of KNX Security.

- Integrated Interface USB to KNX RF
- Pleasantly soft and light pressure point
- Power supply via battery type CR2032
- Fits in standard 55 mm push button housings
- Complete mounting kit (without design frame)
- Connectors: Micro USB type B, integrated antenna
- Size (LxWxH): 40x40x11,2 mm (insert)

5374 Gross price\* 93.00 €  
5326 Gross price\* 98.00 €

KNX RF/ENO Push Button Insert 440 *secure* Art. No. 5374: Single Rocker  
KNX RF/ENO Push Button Insert 440 *secure* Art. No. 5326: Double Rocker

## Frame 1-fold Fusion white (Art. No. 5386) Frame 1-fold Fusion anthracite (Art. No. 5387)



**NEW**

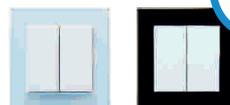
Standard frame for MATCH 55 series (frame only)

- Budget solution for push button installations
- Available in two colours
- Size (LxWxH): 85x85x11 mm

5386 Gross price\* 3.80 €  
5387 Gross price\* 6.60 €

Frame 1-fold Fusion Art. No. 5386: white  
Frame 1-fold Fusion Art. No. 5387: anthracite

## Frame 1-fold Fusion glass white (Art. No. 5388) Frame 1-fold Fusion glass black (Art. No. 5389)



**NEW**

Glass frame for MATCH 55 series (frame only)

- Lifestyle solution for push button installations
- Available in two colours
- Material: high quality glass, ABS plastic
- Size (LxWxH): 85x85x11 mm

5388 Gross price\* 36.80 €  
5389 Gross price\* 38.00 €

Glass frame 1-fold Fusion Art. No. 5388: white  
Glass frame 1-fold Fusion Art. No. 5389: black

# Touch it

## Innovation and design

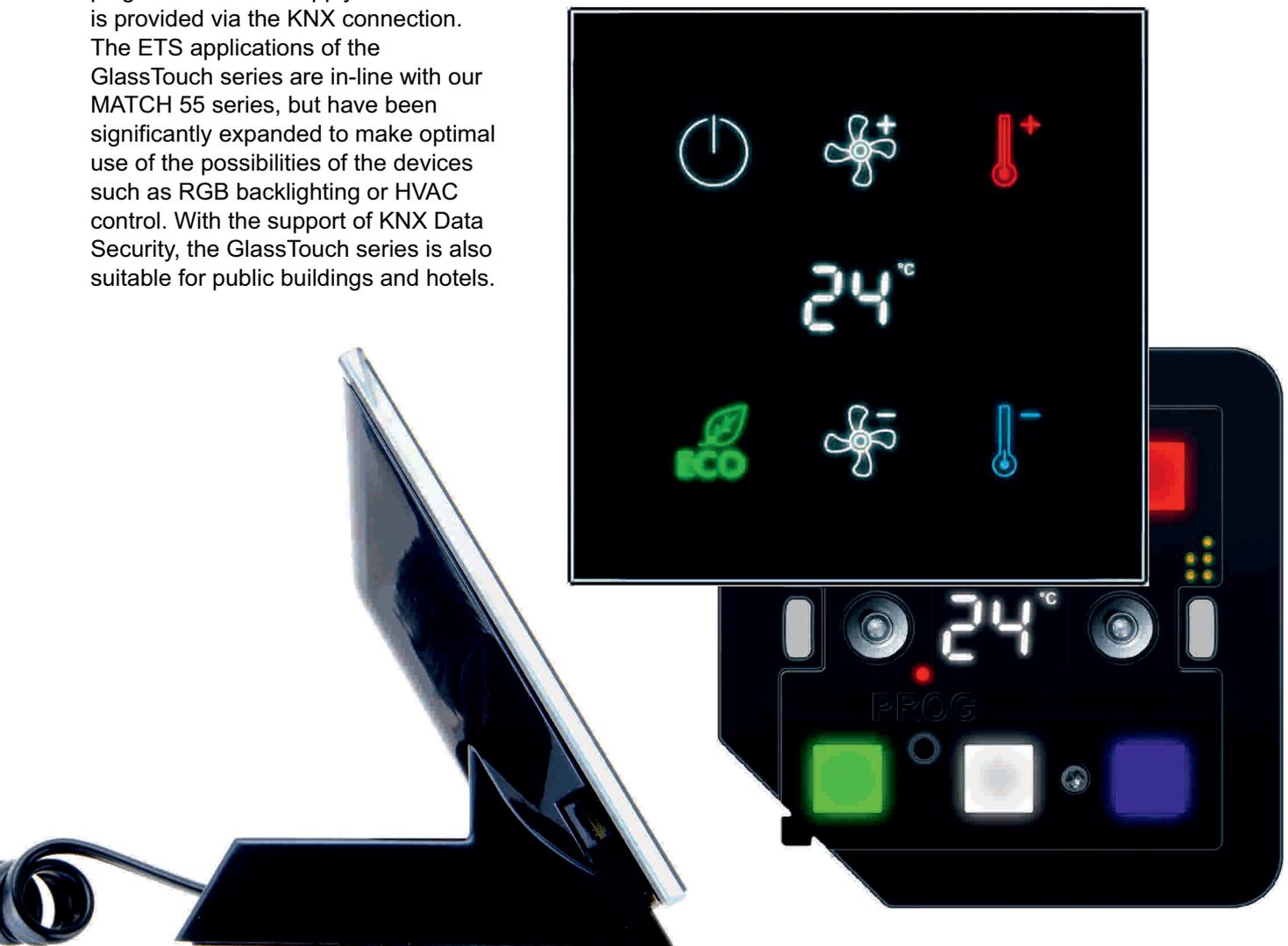
Our new GlassTouch series brings the comfort and nearly unlimited possibilities of an KNX installation even closer to the user. The unique design made of high quality glass gives every room a luxurious and modern character. Its touch interface is supported by a spatial proximity sensor for best user experience. Depending on the model and configuration, up to seven dimmable and color-coded symbols allow intuitive operation and maximum flexibility.

## Powerful application

Thanks to a user-friendly structured product database (ETS standard), even extensive configurations can be carried out easily and without an extra plug-in. The entire supply of the sensor is provided via the KNX connection. The ETS applications of the GlassTouch series are in-line with our MATCH 55 series, but have been significantly expanded to make optimal use of the possibilities of the devices such as RGB backlighting or HVAC control. With the support of KNX Data Security, the GlassTouch series is also suitable for public buildings and hotels.

## 7-fold or 6-fold with RTC

The KNX TP Glass Touch devices are available in two design variants and two casings: 7-fold type to control lighting, shutter and much more. A 6-fold version with integrated display implements a powerful room temperature controller (RTC) for heating, cooling or both in one look-and-feel. All variants have integrated sensors for temperature, humidity and brightness. Besides the standard flush mounted versions also variants as table consoles are available to be used on the desk or to be placed on the night side box. Glass covers are available in black and white, both glossy or matt. The glass covers use an inlay film for exchangeable symbols and invisible magnetic fixing.



## KNX TP GlassTouch 460 / 7-fold (Art. No. 5390)



KNX GlassTouch (7-fold) for TP. Flush mounted switch for exclusive buildings. Flat and frameless design.

- 7 independent color-touch LEDs (RGBW) with exchangeable symbols
- Integrated sensors for temperature, humidity, proximity detection, ambient light
- Standby mode for LEDs, anti-theft protection
- Powerful ETS application with scenes, RGB control, sequencer
- Support of KNX Data Security
- Connectors: KNX, no additional power supply
- Size (LxWxH): 84x84x37 mm (without glass cover)

5390 Gross price\* 259.00 €

## KNX TP GlassTouch 461 / 6-fold with Room Temperature Controller (RTC) (Art. No. 5391)



KNX GlassTouch (6-fold) with room temperature controller (RTC) for TP. Flush mounted switch for exclusive buildings. Flat and frameless design with display.

- 6 independent color-touch LEDs (RGBW) with exchangeable symbols
- Integrated sensors for temperature, humidity, proximity detection, ambient light
- Standby mode for LEDs, anti-theft protection
- Powerful ETS application with scenes, RGB control, sequencer
- RTC for heating and/or cooling
- Support of KNX Data Security
- Connectors: KNX, no additional power supply
- Size (LxWxH): 84x84x37 mm (without glass cover)

5391 Gross price\* 349.00 €

## KNX TP GlassTouch Console 462 / 7-fold (Art. No. 5392)



KNX GlassTouch (7-fold) for TP. Console switch to be placed on desk or night side box. Flat and frameless design.

- 7 independent color-touch LEDs (RGBW) with exchangeable symbols
- Integrated sensors for temperature, humidity, proximity detection, ambient light
- Standby mode for LEDs, anti-theft protection
- Powerful ETS application with scenes, RGB control, sequencer
- Support of KNX Data Security
- Connectors: KNX via coiled cable, no additional power supply
- Size (LxWxH): 72x87x84 mm (without glass cover)

5392 Gross price\* 319.00 €

## KNX TP GlassTouch Console 463 / 6-fold with Room Temperature Controller (RTC) (Art. No. 5393)



KNX GlassTouch (6-fold) with room temperature controller (RTC) for TP. Console switch to be placed on desk or night side box. Flat and frameless design with display.

- 6 independent color-touch LEDs (RGBW) with exchangeable symbols
- Integrated sensors for temperature, humidity, proximity detection, ambient light
- Standby mode for LEDs, anti-theft protection
- Powerful ETS application with scenes, RGB control, sequencer
- RTC for heating and/or cooling
- Support of KNX Data Security
- Connectors: KNX via coiled cable, no additional power supply
- Size (LxWxH): 72x87x84 mm (without glass cover)

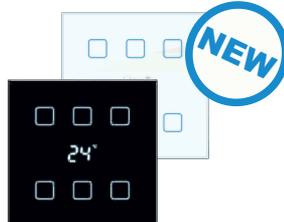
5393 Gross price\* 399.00 €

## GlassTouch Cover glossy white (Art. No. 5394)

## GlassTouch Cover glossy black (Art. No. 5395)

## GlassTouch Cover matt white (Art. No. 5396)

## GlassTouch Cover matt black (Art. No. 5397)



Interchangeable glass cover for use with GlassTouch series (Art. No. 5390, 5391, 5392 and 5393).

- Thermally hardened glass
- Precisely ground and polished edges
- Ceramic coloring on the reverse side
- Size (LxWxH): 90x90x4 mm (glass cover without magnets)

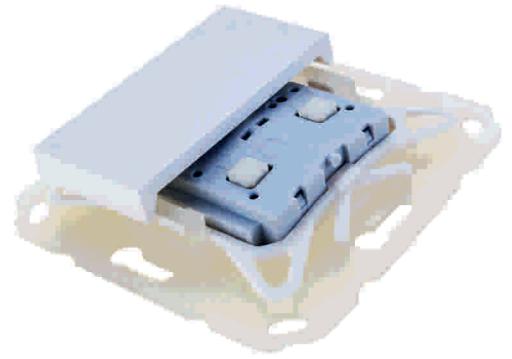
5394 Gross price\* 49.00 €  
 5395 Gross price\* 49.00 €  
 5396 Gross price\* 49.00 €  
 5397 Gross price\* 49.00 €

GlassTouch Cover Art. No. 5394: glossy white  
 GlassTouch Cover Art. No. 5395: glossy black  
 GlassTouch Cover Art. No. 5396: matt white  
 GlassTouch Cover Art. No. 5397: matt black

# KNX without wires

## Wireless KNX

Radio Frequency (RF) is the wireless alternative in the KNX standard. In locations that are not suited for cabling, KNX RF is used for wireless data transmission. Starting with the ETS5, KNX wireless devices can be configured in the same professional way as standard TP products. KNX RF devices use the same address scheme and support KNX group objects and ETS parameters as TP devices.



## Easy installation with ETS

If you know to install KNX TP, you know how to use KNX RF devices. To link wireless KNX devices to Twisted Pair media coupler are available from Weinzierl. Similar to line-coupler each media coupler opens a new so-called domain similar to a line on TP. So with KNX and ETS5 you can install KNX networks with devices connected to TP or IP together with wireless KNX devices. All within one system and one project. This reduces costs for installation, maintenance and last but not least for training on technology.

## Direct Link to ETS

For a direct link from ETS to KNX RF our KNX RF USB Interface 340 is available. Designed in a stick-like case it can be connected directly to a PC or Laptop. The RF interface can be selected in the connection manager of ETS.



**enocean®**

## KNX and EnOcean

For many applications, the technology of EnOcean is interesting for building automation: the system is characterized mainly by battery-free wireless sensors. The devices of the KNX ENO series serve as efficient gateways between EnOcean radio and the KNX bus. The ultra-compact KNX ENO 626 disappears almost invisibly in a commercially available concealed housing. The KNX ENO 636 features a graphical display and a stylish housing and offers convenient diagnostic functions. The devices are based on the EnOcean Equipment Profiles (EEP). This guarantees compatibility with countless EnOcean products of any manufacturer. In addition, the gateways provide logic and control functions and include a radio repeater.



# KNX RF and EnOcean

## KNX RF USB Interface Stick 340 (Art. No. 5110)



USB stick as interface to KNX RF as Programming Interface for ETS® (ETS5 or higher)

- Support of KNX Long Frames
- Connectors: USB Typ A
- Size (LxWxH): 71x23x8,7 mm

Gross price\* 178.00 €

## MATCH 55 KNX RF/ENO Push Button Insert 440 *secure* Single Rocker (Art. No. 5374) MATCH 55 KNX RF/ENO Push Button Insert 440 *secure* Double Rocker (Art. No. 5326)



The wireless KNX RF/ENO Push Button Insert 440 *secure* offers support for EnOcean and KNX RF in one device. The device operates in EnOcean mode without configuration (EnOcean Security is activated via a simple push button combination). By configuration with the ETS®, the push button switches to KNX RF mode and offers an optional support of KNX Security.

- Integrated Interface USB to KNX RF
- Pleasantly soft and light pressure point
- Power supply via battery type CR2032
- Fits in standard 55 mm push button housings
- Connectors: Micro USB type B, integrated antenna
- Size (LxWxH): 40x40x11,2 mm

5374 Gross price\* 93.00 €  
5326 Gross price\* 98.00 €

KNX RF/ENO Push Button Insert 440 *secure* Art. No. 5374: Single Rocker  
KNX RF/ENO Push Button Insert 440 *secure* Art. No. 5326: Double Rocker

## KNX RF/TP Coupler 672 (Art. No. 5333) KNX RF/TP Coupler 673 *secure* (Art. No. 5188)



KNX RF in compact design (flush-mounted housing). It connects KNX RF devices of a KNX RF line with the KNX Bus Twisted Pair. For KNX installations with ETS®.

- For connection of KNX RF with KNX TP
- For KNX S-Mode (ETS)
- Compact flush-mounted housing
- Connectors: KNX
- Size (LxWxH): 48x40x18 mm

5333 Gross price\* 228.00 €  
5188 Gross price\* 228.00 €

KNX RF/TP Coupler 672 Art. No. 5333  
KNX RF/TP Coupler 673 *secure* Art. No. 5188: Support of KNX Data Security

## KNX ENO 626 *secure* (Art. No. 5269)



Bidirectional, compact gateway between EnOcean radio and the KNX bus. The device supports encrypted radio communication with security-capable EnOcean devices. Over 100 device profiles (EEP EnOcean Equipment Profiles) allow simple and secure connection of different EnOcean sensors and actuators to KNX installations.

- 8 channels for sensors, actuators or logic + 8 for logic only
- Support of secure wireless communication
- Support of over 100 profiles (EEP)
- Connectors: KNX, antenna intern
- Size (LxWxT): 48x40x18 mm

Gross price\* 238.00 €

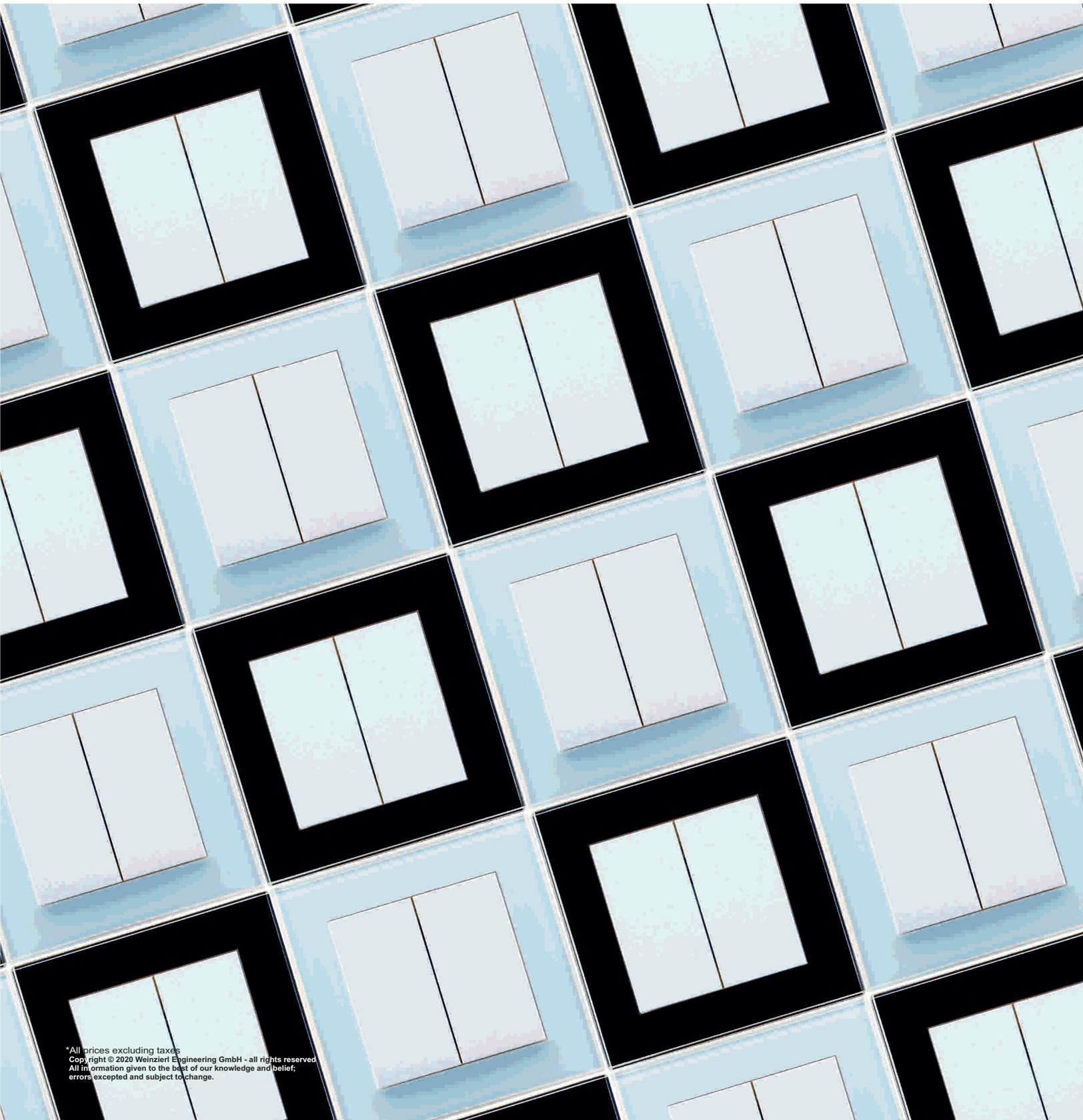
## KNX ENO 636 *secure* (Art. No. 5268)



Bidirectional gateway between EnOcean radio and the KNX bus. The device supports encrypted radio communication with security-capable EnOcean devices. Over 100 device profiles (EEP EnOcean Equipment Profiles) allow simple and secure connection of different EnOcean sensors and actuators to KNX installations.

- 32 channels for sensors, actuators or logic
- Support of secure wireless communication
- Support of over 100 profiles (EEP)
- Integrated graphical display
- Connectors: KNX, antenna intern
- Size (LxWxT): 81x81x25 mm

Gross price\* 408.00 €



\*All prices excluding taxes  
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errors excepted and subject to change.

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