WEINZIERL

KNX®

enocean®

Modbus

DMX

MADE IN GERMANY

Devices 2022

Company

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

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.

20 years Weinzierl

Weinzierl has now been successfully represented on the market for more than 20 years. Over the course of time, the company has continued to develop. A constantly growing team, as well as the expansion of a second office building are only two facets of this process. As before, the focus remains on the development of innovative devices and solutions for the KNX standard. The best is yet to come.

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.

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.

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 20 years.

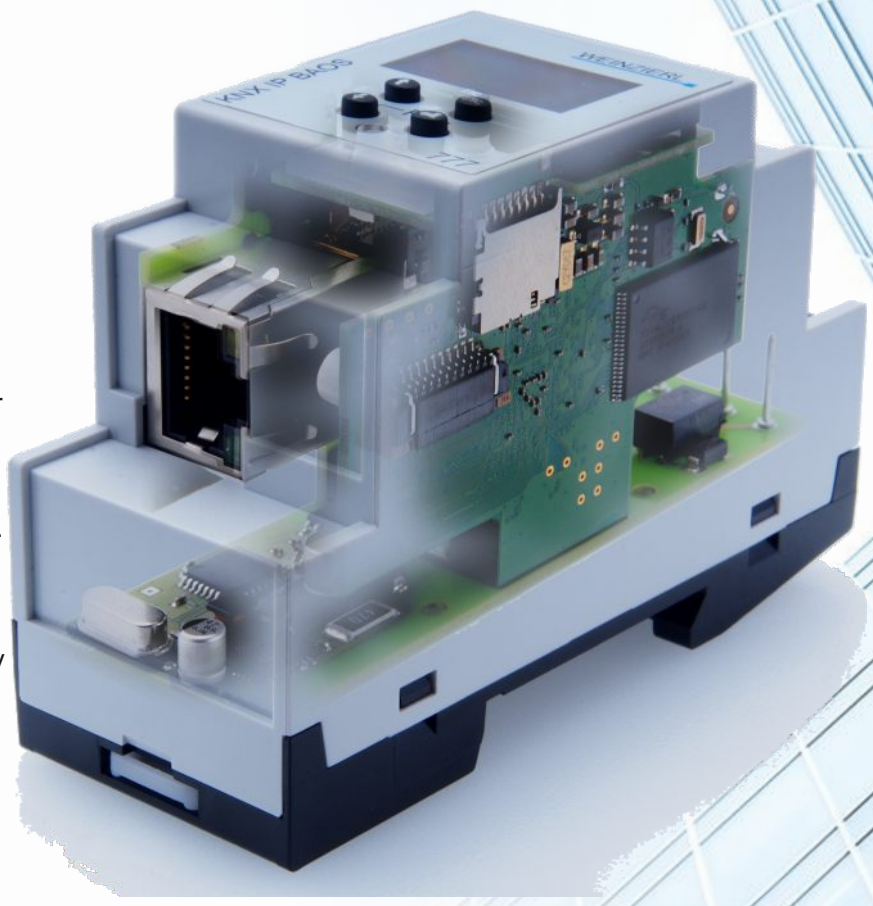
Worldwide success

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.

Setting standards

Whether in a single-family home or in an office complex: the requirements for comfort and scope for controlling airconditioning, 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.

Modbus



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.

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.

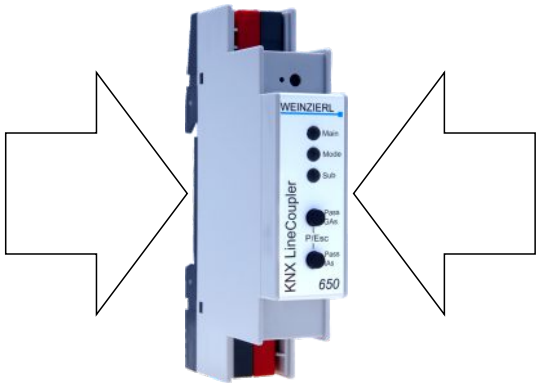
DMX

Powerful base

GREEN BUILDING

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_2 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 - *KNX USB interface*

Compact USB data interface between a PC or laptop and the 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
- Status display via 2 LEDs
- Connections: KNX, USB type BAnschlüsse: KNX, USB Typ B
- For DIN rail, width 1 unit (18 mm)

KNX USB Interface 312 **Art. no. 5229**

KNX USB Interface Stick 332 - *KNX USB interface*

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

- Support of KNX Long Frames
- Support of Weinzierl BAOS Protocol V2
- Status display via 2 LEDs
- Connections: KNX, USB type A
- Dimensions (LxWxH): 58 x 18 x 12 mm
- Delivery in plastic box

KNX USB Interface 332 **Art. no. 5254**

KNX PowerSupply 365 - *KNX power supply 640 mA*

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

- Output current 640 mA with bus choke
- Status display via 3 LEDs
- Connections: KNX, auxiliary voltage output 29 V⎓,
  plugable screw terminal for 230 V∿
- For DIN rail, width 4 units (72 mm)

KNX PowerSupply 365 **Art. no. 5335**

KNX PowerSupply DGS 366 - *KNX power supply 640 mA with diagnostic*

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

- Output current 640 mA with bus choke
- Graphic display (OLED)
- Integrated KNX node with diagnostic and logic functions
- Connections: KNX, auxiliary voltage output 29 V⎓,
  plugable screw terminal for 230 V∿
- For DIN rail, width 4 units (72 mm)

KNX PowerSupply DGS 366 **Art. no. 5207**

KNX PowerSupply USB 367 - *KNX power supply 640 mA with USB*

Bus power supply like model KNX PowerSupply DGS 366, but with additional integrated USB interface.

- Programming interface for ETS®
- Support of KNX Long Frames
- USB connector: Type Micro B

KNX PowerSupply USB 367 **Art. no. 5219**

KNX TP LineCoupler 650 - *KNX line coupler*

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

- Status display via 3 LEDs
- Extended filter table for main group 0..31
- Galvanic isolation of the lines
- Buffer for 2x50 telegrams
- Support of KNX Long Frames
- Connections: KNX main line, KNX subline
- For DIN rail, width 1 unit (18 mm)

KNX LineCoupler 650 **Art. no. 5233**

KNX IP LineMaster on page 13, KNX RF/TP Coupler on page 23

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. All Weinzierl dimming actuators have numerous comfort functions such as snooze light or sequencer.

KNX IO 410 - *KNX binary input 4-fold for 12..230 V⎓∿*
KNX IO 411 - *KNX binary input 4-fold for potential free contacts*

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

- Switching, dimming, shutters, scenes, pulse counter
- Integrated logic and timer functions
- Galvanically isolated
- Connections: KNX, plugable screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

KNX IO 410: for 12..230 V⎓∿ **Art. no. 5230**
KNX IO 411: for potential free contacts **Art. no. 5231**

KNX IO 510.1 *secure* - *KNX switch actuator 2-fold with Security*

NEW

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

- 2 output relays 250 V∿, 10 A, bistable
- Switching, staircase function, heating actuator
- Integrated logic and timer functions
- Connections: KNX, plugable screw terminals for IO
- Support of KNX Security
- For DIN rail, width 1 unit (18 mm)

KNX IO 510.1 *Secure* **Art. no. 5444**

KNX IO 511.1 *secure* - *KNX switch actuator 1-fold and binary input 2-fold*

NEW

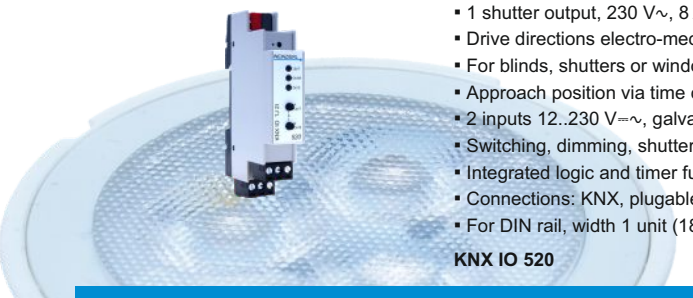
Compact switch actuator with one bistable output and 2 binary inputs. Suitable as KNX compatible replacement for conventional impulse switches (output: light, input 1: pushbutton, input 2: L for zero-crossing detection).

- 1 output relay 230 V∿, 16 A, bistable
- Switching, staircase function, heating actuator
- 2 inputs 12..230 V⎓∿, galvanically isolated
- Switching, dimming, shutters, scenes, pulse counter
- Zero-crossing detection via input channel
- Integrated logic and timer functions
- Support of KNX Security
- Connections: KNX, plugable screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

KNX IO 511.1 *secure*: Support of KNX Data Security **Art. no. 5327**

KNX Compact IO

KNX IO 520 - *KNX blind actuator 1-fold and binary input 2-fold*



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

- 1 shutter output, 230 V~, 8 A
- Drive directions electro-mechanically locked against each other
- For blinds, shutters or window drives
- Approach position via time calculation
- 2 inputs 12..230 V⎓~, galvanically isolated
- Switching, dimming, shutters, scenes, pulse counter
- Integrated logic and timer functions
- Connections: KNX, plugable screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

KNX IO 520 **Art. no. 5225**

KNX IO 530 - *KNX universal dimming actuator 1-fold and binary input 2-fold*

Compact 230 V universal dimmer with one output and 2 binary inputs. The dimmer supports numerous functions (staircase function, snooze function), as well as phase angle or phase cut-off control.

- Compatible with incandescent lamps, as well as LED retrofit
- Dimmer output for 230 V~ / 200 W
- Scenes, sequencer, staircase function, adjustable dimming curve
- 2 binary inputs for 230 V~ same potential as dimming actuator
- Integrated logic and timer functions
- Connections: KNX, plugable screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

KNX IO 530 **Art. no. 5312**

KNX IO 532 - *KNX LED dimming actuator 1-fold and switching actuator 1-fold*

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

- Output for 12-24 V⎓ / 6A, PWM dimmer
- Scenes, sequencer, staircase function, adjustable dimming curve
- Relay 250 V~ / 10 A, bistable
- Integrated logic and timer functions
- Connections: KNX, plugable screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

KNX IO 532 **Art. no. 5313**

KNX IO 534 *CV* - *KNX LED dimming actuator 4-fold with constant voltage*
KNX IO 536 *CC* - *KNX LED dimming actuator 4-fold with constant current*

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 / Tunable White or for 4 independent dimming channels.

- Output for 12-24 V⎓ / 6 A, freely distributable (for CV), PWM dimmer
- Output for 5-44 V / 1 A, per channel (for CC)
- Scenes, sequencer, staircase function, adjustable dimming curve
- Integrated logic and timer functions
- Connections: KNX, plugable screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

KNX IO 534 *CV*: Constant voltage **Art. no. 5314**
KNX IO 536 *CC*: Constant current **Art. no. 5354**

KNX IO 546.1 *secure* - *KNX 1..10 V dimming actuator 1-fold and switching actuator 1-fold*

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

- Output for 0/1..10 V⎓ / max. 50 mA
- Scenes, sequencer, staircase function, adjustable dimming curve
- Relay 250 V~ / 10 A, bistable
- Integrated logic and timer functions
- Also compatible with 0..10 V⎓ actuators (valves)
- Connections: KNX, plugable screw terminals for IO
- For DIN rail, width 1 unit (18 mm)
- Supports optional KNX Security

KNX IO 546.1 **Art. no. 5337**

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* - *KNX LED dimming actuator 4-fold with constant voltage*
KNX TP Blue IO 551 *CC* - *KNX LED dimming actuator 4-fold with constant current*

KNX TP 4 channel LED dimming actuator.

- Output for 12-24 V⎓ / 6 A total (for CV)
- RGB, RGBW, Tunable White
- Scene support, sequencer, staircase function, adjustable dimming curve
- Integrated logic and time functions
- Connectors: KNX, plugable screw connectors for IO
- Size (LxWxH): 132 x 46 x 20 mm

KNX TP Blue IO 550 *CV*: Constant voltage — **Art. no. 5377**
KNX TP Blue IO 551 *CC*: Constant current — **Art. no. 5378**

KNX RF Blue IO 552 *CV* - *KNX LED dimming actuator 4-fold with constant voltage for RF*
KNX RF Blue IO 553 *CC* - *KNX LED dimming actuator 4-fold with constant current for RF*

Wireless (KNX RF) 4 channel LED dimming actuator.

- Output for 12-24 V⎓ / 6 A total (for CV)
- RGB, RGBW, Tunable White
- Scene support, sequencer, staircase function, adjustable dimming curve
- Integrated logic and time functions
- Connectors: Plugable screw connectors for IO
- Size (LxWxH): 132 x 46 x 20 mm

KNX RF Blue IO 552 *CV*: Constant voltage — **Art. no. 5379**
KNX RF Blue IO 553 *CC*: Constant current — **Art. no. 5380**

KNX IP Blue IO 554 *CV* - *KNX LED dimming actuator 4-fold with constant voltage for IP*
KNX IP Blue IO 555 *CC* - *KNX LED dimming actuator 4-fold with constant current for IP*

KNX IP-only 4 channel LED dimming actuator.

- Output for 12-24 V⎓ / 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, plugable screw connectors for IO
- Size (LxWxH): 132 x 46 x 20 mm

KNX IP Blue IO 554 *CV*: Constant voltage — **Art. no. 5381**
KNX IP Blue IO 555 *CC*: Constant current — **Art. no. 5382**

KNX IP Blue IO 556 *CV* - *KNX LED dimming actuator 4-fold with constant voltage for IP*
KNX IP Blue IO 557 *CC* - *KNX LED dimming actuator 4-fold with constant current for IP*

KNX IP-only 4 channel LED dimming actuator with Power-over-Ethernet (PoE).

- Output for 12-24 V⎓ / 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, plugable screw connectors for IO
- Size (LxWxH): 132 x 46 x 20 mm

KNX IP Blue IO 556 *CV*: Constant voltage — **Art. no. 5383**
KNX IP Blue IO 557 *CC*: Constant current — **Art. no. 5384**

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 multicolor LEDs and 2 push buttons. The load is connected via plugable screw connector.

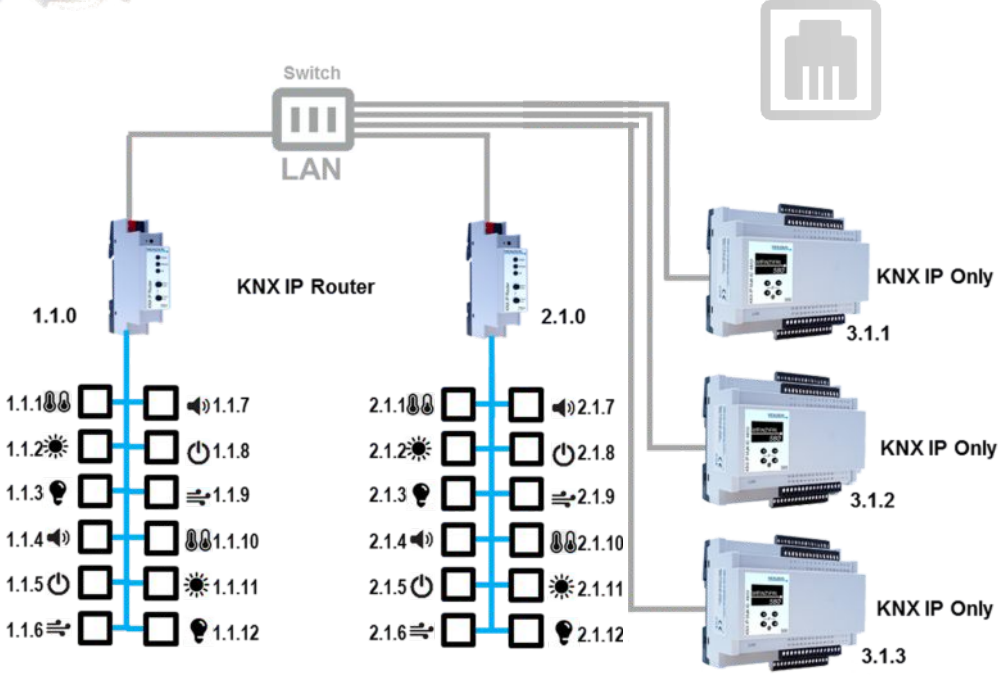
IO innovations

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.

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 in 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 - *KNX input and output module 48-fold*

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 shutter output. Input channels can be used to connect push buttons. Output channels can directly control signal LEDs, external coupling relays or shutter relays. The peripheral devices (e.g. relays) are supplied by an external power supply (24 V⎓).

- Flexible configuration of the channels as binary inputs, outputs or shutter outputs
- OLED display and buttons for manual operation
- Integrated USB interface for programming with ETS®
- Support of KNX Long Frames
- Output current max. 100 mA per channel
- Connections: KNX, USB Micro Type B, plugable screw terminals for 24 V⎓ (input), plugable screw terminals for IO
- For DIN rail, width 4 units (72 mm)

KNX Multi IO 570 **Art. no. 5267**

KNX Multi IO 580 - *KNX input and output module 48-fold for IP*

Universal input and output module for building control for KNX IP. The device works with the medium KNX IP and is connected to the KNX installation via LAN/Ethernet. The device provides 48 digital channels. Each channel can be used as binary input, binary output or shutter output. Input channels can be used to connect push buttons. Output channels can directly control signal LEDs, external coupling relays or shutter relays. The peripheral devices (e.g. relays) are supplied by an external power supply (24 V⎓).

- Flexible configuration of the channels as binary inputs, outputs or shutter outputs
- OLED display and buttons for manual operation
- Output current max. 100 mA per channel
- Connections: LAN RJ-45 (KNX IP), plugable screw terminals for 24 V⎓ (input), plugable screw terminals for IO
- For DIN rail, width 6 units (108 mm)

KNX Multi IO 580 **Art. no. 5238**

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.

Multi IO Extension Switch 590 - *Coupling relay for Multi IO (for operation with art. no. 5267, 5238)*

The relay extension serves as a power-saving alternative for commercially available coupling relays for operation with art. no. 5267, 5238. Bistable relay internal, external control like monostable relay.

- Reduction of the holding current by up to 95 %
- Input (signal) 24 V⎓ / Output 230 V~ / 10 A
- Pluggable relay 250 V~ / 16 A, bistable
- Integrated fuse (5 x 20 mm) to protect high-value devices
- Connections: Screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

Multi IO Extension Switch 590		**Art. no. 5321**

Replacement and spare relays - *Coupling relays for Multi IO*

Spare relay for Multi IO Extention Switch 590 with art. no. 5321.

Spare relay: Standard	**10 pcs**	**Art. no. 5347**
Spare relay: with tungsten precontact	**10 pcs**	**Art. no. 5348**
Spare relay: with manual operation	**10 pcs**	**Art. no. 5349**

Multi IO Extension Shutter 592 - *Shutter relay for Multi IO (for operation with art. no. 5267, 5238)*

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⎓ / Output 230 V~ / 6 A
- Pluggable relay 250 V~ / 6 A
- Integrated fuse (5 x 20 mm) to protect high-value devices
- Connections: Screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

Multi IO Extension Shutter 592		**Art. no. 5322**

Replacement and spare relays - *Shutter relay for Multi IO*

Spare relay for Multi IO Extention Shutter 592 with art. no. 5322.

Spare relays: Standard	**10 pcs**	**Art. no. 5346**

Standard coupling relay - *Coupling relay for Multi IO*

Standard coupling relay for operation with art. no. 5267, 5238.

- Extension of the KNX multi series, switching function
- Input (signal) 24 V⎓ / Output 230 V~ / 10 A
- Relay 250 V~ / 16 A, monostable
- Connections: Screw terminals for IO
- For DIN rail, width 1 unit (18 mm)

Standard coupling relay	**10 pcs**	**Art. no. 5350**

Replacement and spare relays - *Coupling relays for Multi IO*

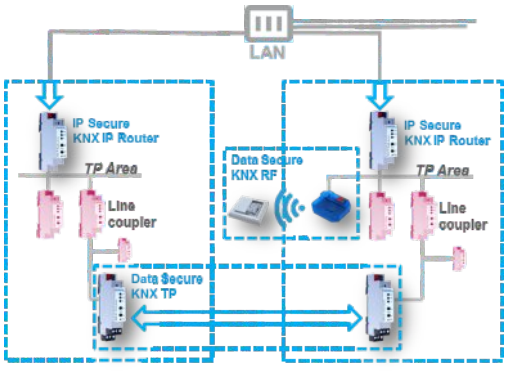
Spare relay for standard coupling relay with art. no. 5350.

Spare relay: Standard	**10 pcs**	**Art. no. 5351**

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 732 *secure* - *KNX IP interface*

Compact programming interface for connecting one or more PCs to the KNX bus (e.g. for ETS®).
Support of KNX IP Security. Connection is made via a LAN interface (IP).
Power is supplied via the KNX bus.

- KNXnet/IP tunneling, 8 tunnel connections
- Support of KNX Security
- Support of KNX Long Frames
- Status display via 3 LEDs
- Power supply via KNX bus
- Connections: KNX, LAN RJ-45
- For DIN rail, width 1 unit (18 mm)

KNX IP Interface 731
- KNXnet/IP tunneling, 5 tunnel connections
- No support of KNX Security

KNX IP Interface 731	**Art. no. 5242**
KNX IP Interface 732 *secure*	**Art. no. 5248**

KNX IP Interface 740.1 *wireless* - *KNX IP interface wireless*

Wireless programming interface for connecting a PC or laptop to the KNX bus (e.g. for the ETS®).
The device has an integrated access point that allows direct access via WLAN.
Power is supplied via the KNX bus.

- KNXnet/IP tunneling, 8 tunnel connections
- Support of KNX Long Frames
- WLAN IEEE 802.11b/g, encryption WPA2
- Status display via 3 LEDs
- Power supply via KNX bus
- Connections: KNX, antenna
- Dimensions without antenna (LxWxH): 125 x 67 x 31 mm

KNX IP Interface 740.1 *wireless*	**Art. no. 5419**

KNX IP Router 752 *secure* - *KNX IP router*

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

- KNXnet/IP routing
- KNXnet/IP tunneling, 8 tunnel connections
- Support of KNX Security
- Support of KNX Long Frames
- Extended filter table for main group 0..31
- Buffer for 150 telegrams
- Status display via 3 LEDs
- Power supply via KNX bus
- Connections: KNX, LAN RJ-45
- For DIN rail, width 1 unit (18 mm)

KNX IP Router 751
- KNXnet/IP tunneling, 5 tunnel connections
- No support of KNX Security

KNX IP Router 751	**Art. no. 5243**
KNX IP Router 752 secure	**Art. no. 5249**

KNX IP LineMaster 762 - *KNX power supply 640 mA with IP router*

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 low space requirement. Comprehensive diagnostic functions. 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 a programming interface between a PC and the KNX bus (e.g. for the ETS®).

- Output current 640 mA with bus choke
- KNXnet/IP routing
- KNXnet/IP tunneling, 6 tunnel connections
- Support of KNX Long Frames
- Graphic display (OLED)
- Extended filter table for main group 0..31
- Buffer for 150 telegrams
- Connections: KNX, auxiliary voltage 29 V⎓, LAN RJ-45, plugable screw terminals for 230 V~.
- For DIN rail, width 6 units (108 mm)

KNX IP LineMaster 762	**Art. no. 5212**

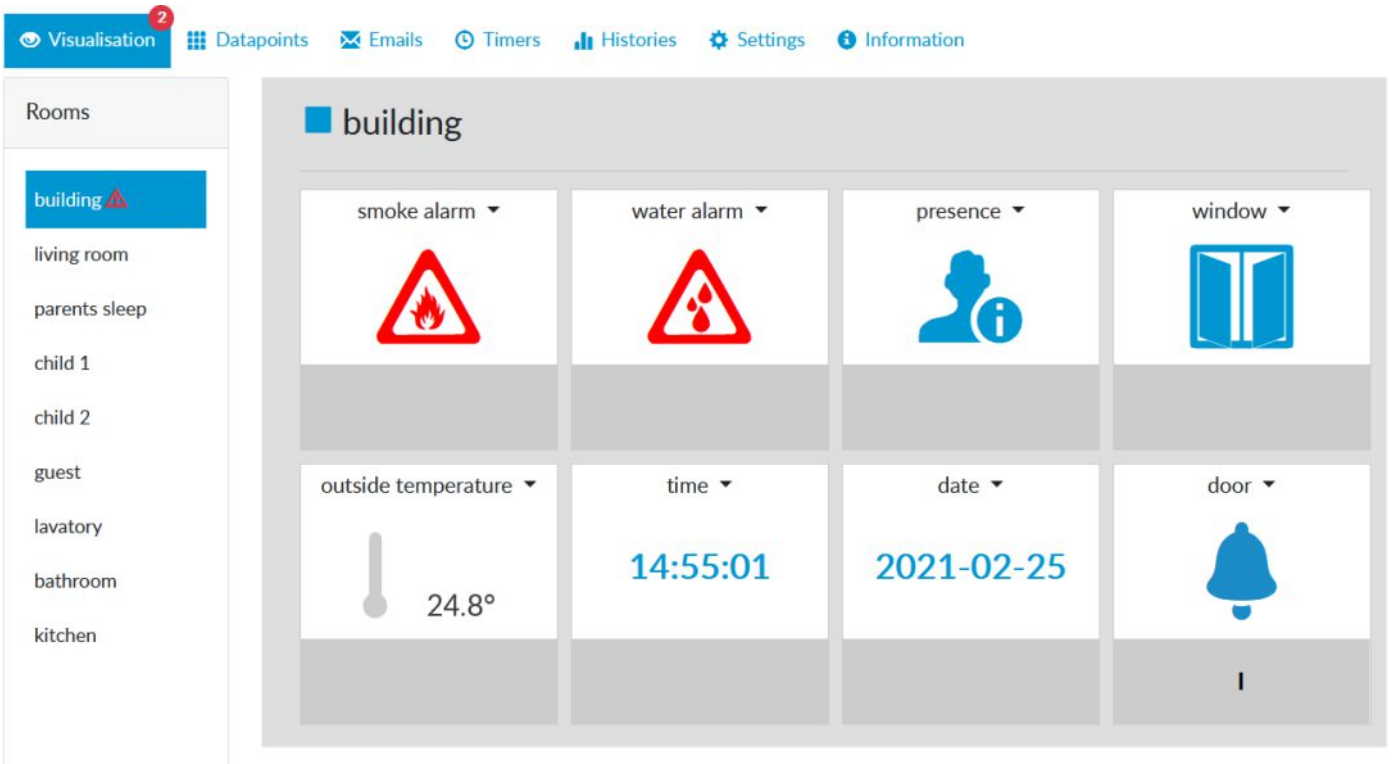
Connecting worlds

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 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 - *KNX IP interface with object server, 250 data points*
KNX IP BAOS 774 - *KNX IP interface with object server, 1000 data points*

KNX IP interface to the KNX bus, both on telegram level (KNXnet/IP tunneling) and on data point level (KNX application layer). Thus clients can access the 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 & JSON web services
- KNXnet/IP tunneling, 5 tunnel connections
- 10 BAOS connections
- Status displays via 3 LEDs
- Power supply via KNX bus
- Connections: KNX, LAN RJ-45
- For DIN rail, width 1 unit (18 mm)

KNX IP BAOS 773: 250 data points	**Art. no. 5262**
KNX IP BAOS 774: 1000 data points	**Art. no. 5263**

KNX IP BAOS 777 - *KNX IP universal interface with web server and visualization*

Universal KNX IP interface with integrated web server and visualization. Convenient operation of the building installation via the web browser of a PC or mobile device.

- Integrated web server with visualization
- Configuration of the visualization with ETS
- E-Mail, NTP, timer and history function
- BAOS protocol incl. RESTful API
- Power over Ethernet (PoE)
- KNXnet/IP tunneling, 8 tunnel connections
- 10 BAOS connections
- Graphic display (OLED)
- Connections: KNX, LAN RJ-45, 12-30 V⎓
- For DIN rail, width 2 units (36 mm)

KNX IP BAOS 777	**Art. no. 5193**

KNX Serial 870 - *Serial interface to KNX*

Serial interface to the KNX bus with RS-232.

- Telegram format FT1.2 (PEI 10, EMI2)
- Object server with 250 data points
- BAOS binary V1
- Galvanically isolated
- Connections: KNX, RS232 (Sub-D, fem.)
- For DIN rail, width 1 unit (18 mm)

KNX Serial 870	**Art. no. 5122**

KNX BAOS Modul 838 kBerry - *Extension module for Raspberry Pi*

KNX module with serial protocol as expansion card for Raspberry Pi.

- 1000 data points
- Dimensions (LxW): 56 x 35 mm
- Free BAOS SDK for Raspian (see www.weinzierl.de)

KNX BAOS Modul 838 kBerry	**Art. no. 5208**

KNX IP BAOS 777

Integrated webserver and visualization

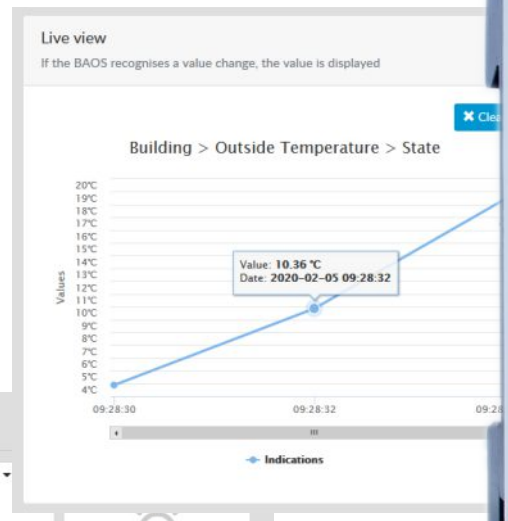
The KNX IP BAOS 777 is the most powerful platform of our BAOS series. It features a built-in web server for simple visualization via a web browser running on a PC or mobile device. The configuration can easily be done via ETS parameters only - no extra setup or software tool is necessary.

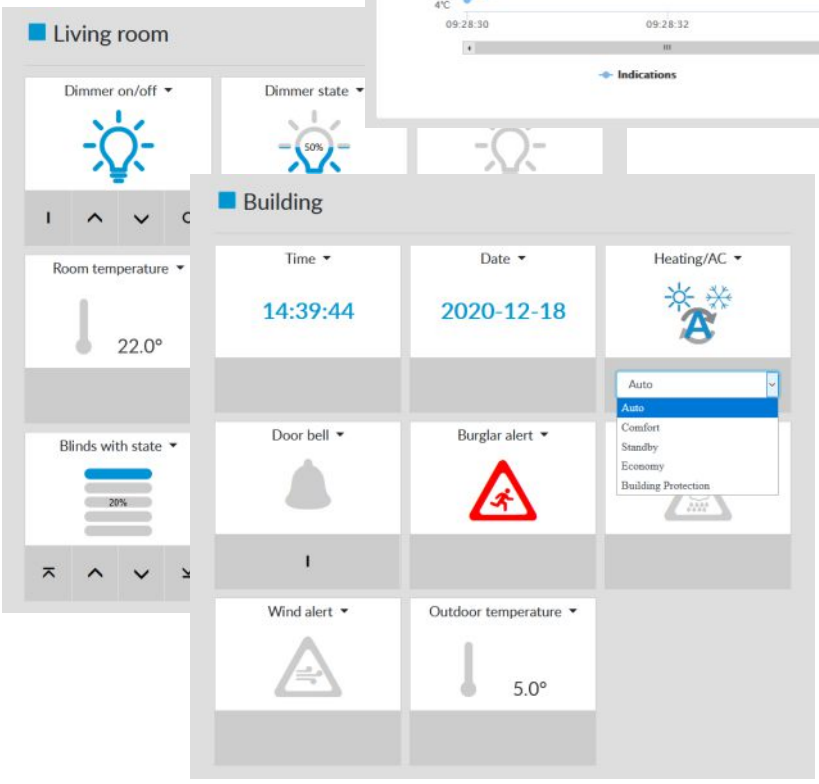
Data logging

The KNX IP BAOS 777 has an integrated data logger that can be activated for each configured data point. An OLED display and 4 push buttons allow quick information retrieval and settings directly on the device.

E-mail services

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



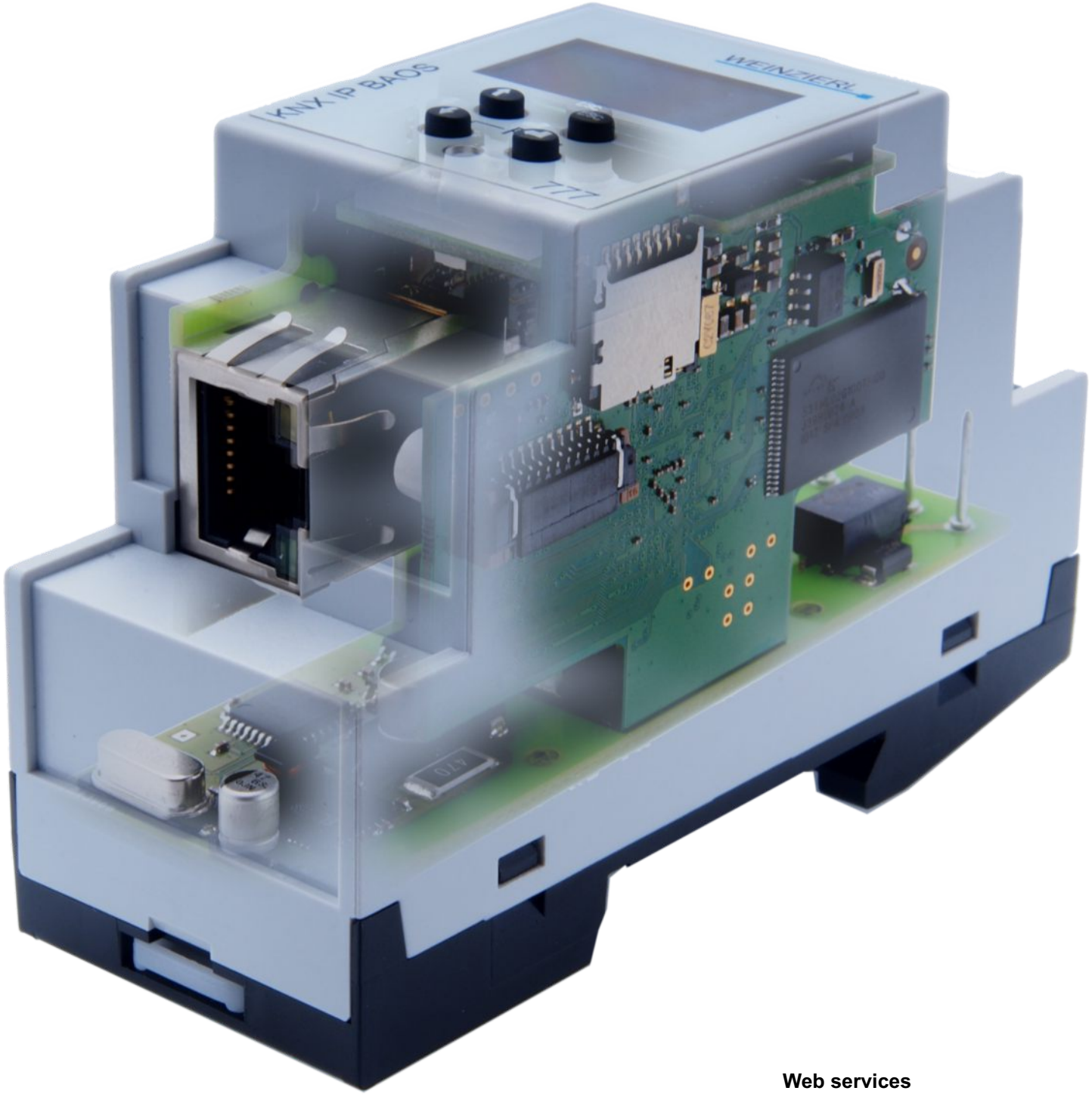


Date and time (NTP)

The integration of an NTP (Network Time Protocol) server makes it possible to obtain the date and time automatically via the Internet and to synchronize the own KNX installation.

Timer

The extensive timer functions can be configured comfortably in the web interface. Cyclic and one-time timers are available, with which e.g. presence simulations can be easily realized.



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.

KNX Gateways

DMX

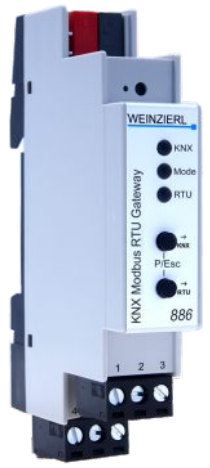
KNX DMX Gateway 544

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.

Modbus

KNX Modbus TCP Gateway 716

The KNX Modbus TCP Gateway 716 is a compact Gateway between KNX TP and Modbus TCP with 250 freely configurable data points.The device enables easy integration of Modbus devices that support the TCP protocol via IP and can act as a Modbus master or slave. As Master the device can address up to 5 slave devices. Two buttons and three LEDs allow local operation and visualization of the device status.Furthermore, the device can be used as a programming interface to connect one or more PCs to the KNX bus (e.g. for ETS®). The Power is supplied via the KNX bus.



Modbus

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 Gateways

KNX DMX Gateway 544 - *KNX gateway to DMX512*

Compact gateway between KNX and DMX512 with up to 64 freely configurable channels.
Master mode (KNX to DMX luminaires) and slave mode (DMX control 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 evaluated individually
- 4 sequencers for complex time sequences
- Status display via 3 LEDs
- Connections: KNX, plugable screw terminals for DMX512, power supply
- For DIN rail, width 1 unit (18 mm)

KNX DMX Gateway 544 **Art. no. 5358**

KNX Modbus TCP Gateway 716 - *KNX gateway to modbus TCP*

Compact KNX / modbus gateway with 250 freely configurable channels (KNX data points). The device allows easy integration of modbus devices supporting the TCP protocol via LAN into KNX installations. It can be used as modbus master or slave. The assignment between KNX objects and modbus registers is done via parameters in the ETS® - no further tool is required. Furthermore, the device can be used as a programming interface to connect one or more PCs to the KNX bus (e.g. for ETS®). Power is supplied via the KNX bus. The device supports KNX Security.

- KNXnet/IP tunneling, 8 tunnel connections
- Support of KNX Long Frames
- Modbus master or slave mode
- Assignment between KNX and modbus via ETS® parameters
- 250 data points
- Support of KNX Security
- Status display via 3 LEDs
- Power supply via KNX bus
- Connections: KNX, LAN RJ-45
- For DIN rail, width 1 unit (18 mm)

KNX Modbus TCP Gateway 716 **Art. no. 5425**

KNX Modbus RTU Gateway 886 - *KNX gateway to modbus RTU*

Compact KNX / modbus gateway with 250 freely configurable channels (KNX data points). The device allows easy integration of modbus devices supporting the RTU protocol via RS-485 into KNX installations. It can be used as modbus master or slave. The assignment between KNX objects and modbus registers is done via parameters in the ETS® - no further tool is required.

- Modbus master or slave mode
- Assignment between KNX and modbus via ETS® parameters
- 250 data points
- Status display via 3 LEDs
- Connections: KNX, plugable screw terminals for modbus, power supply
- For DIN rail, width 1 unit (18 mm)

KNX Modbus RTU Gateway 886 **Art. no. 5256**

MATCH 55 push button series

MATCH 55 - it simply fits

With a rocker size of 55 x 55 mm the MATCH 55 series products KNX RF/ENO Push Button 440 *secure* and KNX TP Push Button 420 *secure* 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.

Fusion – our design favorite

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.

KNX RF/ENO Push Button 440 *secure*

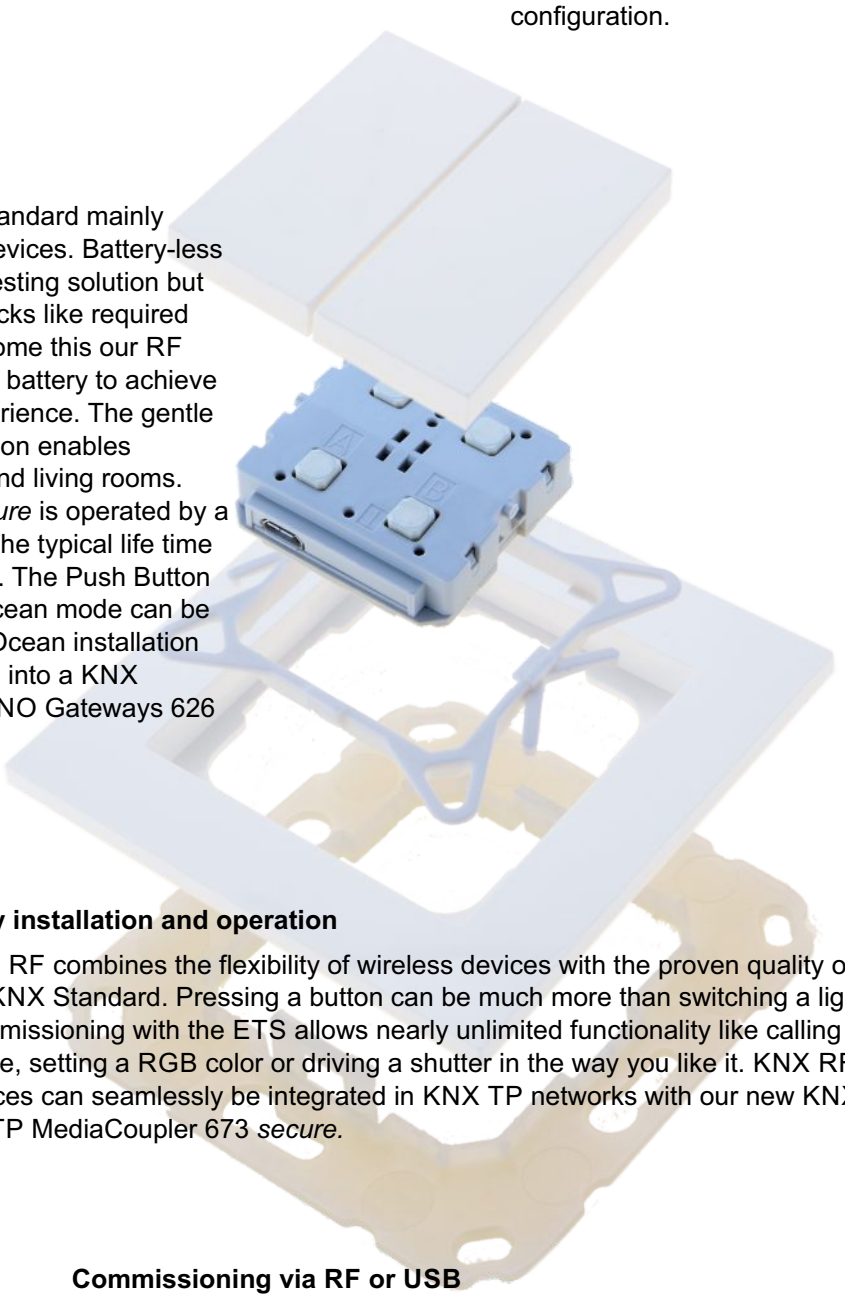
Wireless switches are required if a cable is no option. Due to the flat mechanic design the new RF push button can be mounted on the surface e.g. on walls of glass. The KNX RF/ENO Push Button 440 *secure* unites two wireless protocols in one device: EnOcean and KNX RF. Out of the box the push button 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.

KNX TP Push Button 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.

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 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 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 440 *secure* can be used to program the device directly by ETS but it also allows to program other KNX RF devices over the air.

MATCH 55 push button series

KNX TP Push Button 420 *secure* with single rocker - *KNX push button MATCH 55 series*
KNX TP Push Button 420 *secure* with double rocker - *KNX push button MATCH 55 series*

KNX push button of the MATCH 55 series, with integrated bus coupling unit. The push button insert fits numerous switch ranges available on the market with 55 mm internal dimensions. Smooth and quiet push button operation.
Optional support of KNX Security.

- Pleasantly soft and quiet pressure point
- Support of KNX Data Security
- Powerful KNX application for switching, dimming and shutters
- Functions for scenes, sequences and RGB control
- Mounting kit included (without design frame)
- Connections: KNX
- Rockers for standard frames with internal dimensions 55 x 55 mm
- Dimensions wall mounting plate: 71 x 71 mm, for flush mounted box 68 mm

KNX TP Push Button 420 *secure*: Single rocker	**Art. no. 5375**
KNX TP Push Button 420 *secure*: Double rocker	**Art. no. 5325**

KNX TP Push Button Interface 420 *secure* - *KNX push button interface 4-fold*

Push button interface for the KNX bus for the connection of up to four conventional push buttons or potential free contacts. In addition, the device offers two outputs for LEDs. Optional support of KNX Security.

- Support of KNX Data Security
- Powerful KNX application for switching, dimming and shutters
- Functions for scenes, sequences and RGB control
- Including plugable connection cable 150 mm
- Connections: KNX, 4-channel binary input, 2 ext. LEDs
- Dimensions without bus terminal (LxWxH): 40 x 40 x 11 mm

KNX TP Push Button Interface 420 *secure*	**Art. no. 5385**

24V Push Button 436 with single rocker - *Potential free push button MATCH 55 series*
24V Push Button 436 with double rocker - *Potential free push button MATCH 55 series*

Push button for extra low voltage of the MATCH 55 series, for direct connection to push button inputs of, for example, smart home control centers, PLC controls or push button interfaces of any bus systems. The optional terminal block enables the screwless connection of cables with a cross section of up to 0.75 mm².

- Pleasantly soft and quiet pressure point
- Mounting kit included (without design frame)
- Connections: plugable connection cable 150 mm
- Rockers for standard frames with internal dimensions 55 x 55 mm
- Dimensions wall mounting plate: 71 x 71 mm, for flush mounted box 68 mm

24V Push Button 436: Single rocker	**Art. no. 5409**
24V Push Button 436: Double rocker	**Art. no. 5410**
Terminal block for 436	**Art. no. 5413**

MATCH 55 push button series

KNX RF / ENO Push Button 440 *secure* with single rocker - *KNX push button MATCH 55 series*
KNX RF / ENO Push Button 440 *secure* with double rocker - *KNX push button MATCH 55 series*

KNX wireless push button of the MATCH 55 series, with integrated bus coupling unit. The wireless push button offers support for EnOcean and KNX RF in one device. The device works in EnOcean mode without configuration (EnOcean Security is activated by a simple push button combination). By configuration with ETS® the push button switches to KNX RF mode and offers optional support of KNX Security.

- Pleasantly soft and quiet pressure point
- EnOcean 868.3 MHz, ASK, EEP F6-02-01 / -03
- Support of EnOcean Security
- KNX RF 868.3 MHz, FSK, S-Mode
- Support of KNX Data Security
- Powerful KNX application for switching, dimming and shutters
- Functions for scenes, sequences and RGB control
- Integrated interface USB to KNX RF
- Mounting kit included (without design frame)
- Connectors: USB Micro Type B, internal antenna
- Power supply via battery type Cr2032
- Rockers for standard frames with internal dimensions 55 x 55 mm
- Dimensions wall mounting plate: 71 x 71 mm, for flush mounted box 68 mm

KNX RF / ENO Push Button 440 *secure*: Single rocker	**Art. no. 5374**
KNX RF / ENO Push Button 440 *secure*: Double rocker	**Art. no. 5326**

Frame Fusion 1-fold white - *Frame for MATCH 55 series*
Frame Fusion 1-fold anthracite - *Frame for MATCH 55 series*

Standard frame for MATCH 55 series (frame only).

- Budget solution for push button installations
- Available in two colors
- Dimensions (LxWxH): 85 x 85 x 11 mm

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

Glass frame Fusion 1-fold white - *Frame for MATCH 55 series*
Glass frame Fusion 1-fold black - *Frame for MATCH 55 series*

Glass frame for MATCH 55 series (frame only).

- Design solution for push button installations
- Available in two colors
- Dimensions (LxWxH): 85 x 85 x 11 mm

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

Touch it

Innovation and design

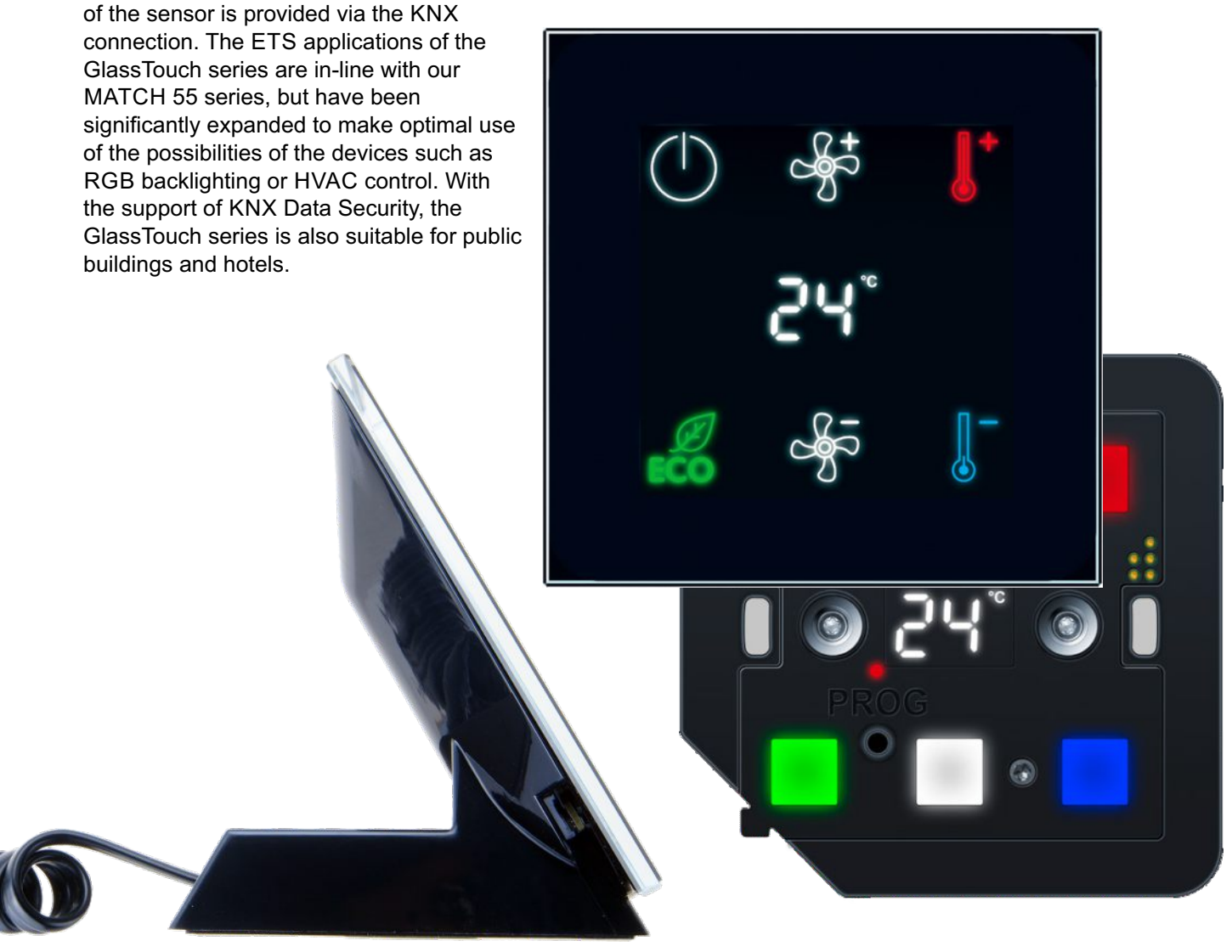
Our new GlassTouch series brings the comfort and nearly unlimited possibilities of an KNX installation even closer to the user. The unique design made of high quality glass gives every room a luxurious and modern character. Its touch interface is supported by a spatial proximity sensor for best user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

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.

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.



GlassTouch push button series

KNX TP GlassTouch 460 *secure* - *KNX push button 7-fold*

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): 84 x 84 x 37 mm (without glass cover)

KNX TP GlassTouch 460 *secure* **Art. no. 5390**

KNX TP GlassTouch 461 *secure* - *KNX push button 6-fold with room temperature controller (RTC)*

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): 84 x 84 x 37 mm (without glass cover)

KNX TP GlassTouch 461 *secure* **Art. no. 5391**

KNX TP GlassTouch Console 462 *secure* - *KNX push button 7-fold as a console*

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): 72 x 87 x 84 mm (without glass cover)

KNX TP GlassTouch Console 462 *secure* **Art. no. 5392**

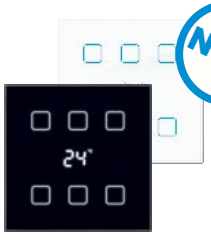
KNX TP GlassTouch Console 463 *secure* - *KNX push button 6-fold with room temperature controller (RTC) as a console*

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): 72 x 87 x 84 mm (without glass cover)

KNX TP GlassTouch Console 463 *secure* **Art. no. 5393**

Glass cover glossy white - *Cover for GlassTouch series*
Glass cover glossy black - *Cover for GlassTouch series*
Glass cover matt white - *Cover for GlassTouch series*
Glass cover matt black - *Cover for GlassTouch series*



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): 90 x 90 x 4 mm (glass cover without magnets)

Glass cover: glossy white	**Art. no. 5394**
Glass cover: glossy black	**Art. no. 5395**
Glass cover: matt white	**Art. no. 5396**
Glass cover: matt black	**Art. no. 5397**

KNX without wires

Direct Link to ETS

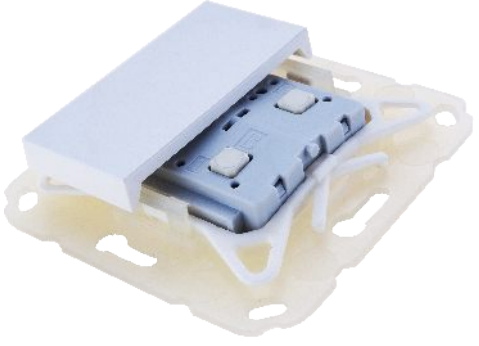
For a direct link from ETS to KNX RF our KNX RF USB Interface 340 is available. Designed in a stick-like case it can be connected directly to a PC or Laptop. The RF interface can be selected in the connection manager of ETS.

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.

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.



KNX to Modbus TCP

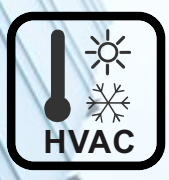
TP

KNX Modbus TCP Gateway 716

IP

KNX - IP secure

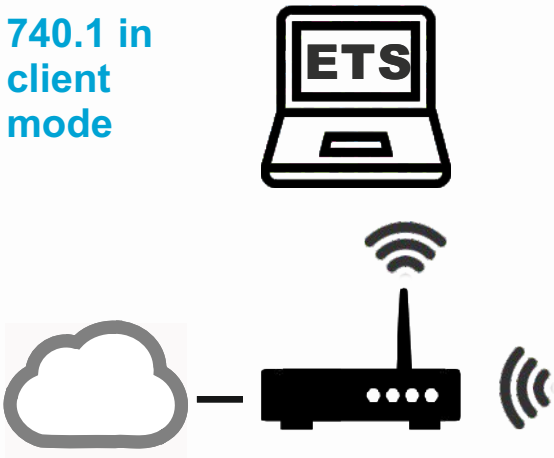
IP



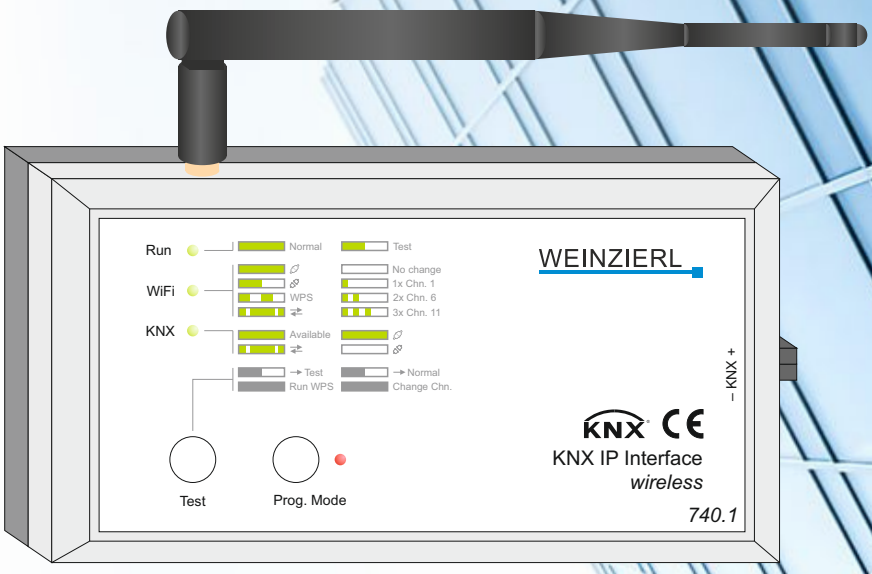
Modbus TCP

KNX IP

740.1 in client mode



740.1 in cccesspoint mode



KNX IP Interface 740.1 wireless