FGSM14
SAFE IV
FIXDOCK-

5

THE FUTURE OF ELECTRICAL INSTALLATIONS IN RESIDENTIAL BUILDINGS – THE BLUE WIRELESS NETWORK IN THE BUILDING

The blue wireless network in the building with MiniSafe, MiniSafeREG, SafeIV, PowerSafeIV, TouchIV, wibutler pro and iRoom docking stations

The Eltako wireless sytem works with the reliable and wolrdwide standardized EnOcean wireless technology in 868 MHz.

It transmits ultra short and interference-proof signals with a range of up to 100 meters in halls.

Eltako wireless pushbuttons reduce the electrosmog load since they emit high-frequency waves that are 100 times weaker than conventional light switches. There is also a significant reduction in low-frequency alternating fields since fewer power cables need to be installed in the building.

THE ELTAKO WIRELESS BUILDING IS THE WIRELESS NETWORK FOR BUILDINGS OF ANY SIZE.

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The wireless pushbuttons, wireless sensors and wireless actuators from Eltako work perfectly together and control, regulate and switch all areas in the building. GFVS software and hardware for visualisation and control.

- If a GSM module FGSM14 is installed in the house, it can be monitored and controlled with the available free smartphone app as remote control, without a Wireless Building control unit and an internet connection being required. A data card with flat is included. Easy and reliable application with the **Eltako quick-con® technology.**
- An installed Wireless Building control unit SafeIV installed with the Wireless Building Visualisation and Control Software GFVS 4.0 provides extra functions and permits modern visualisation and control via tablet or smartphone over an internet connection and integrated wireless antenna module. Remote over smartphone including camera pictures.
- All pushbutton, sensor and actuator functions in the building are retained even if the Smart Home control unit is down – e.g. for maintenance purposes.

Without **Eltako sensors and actuators** no information or control commands can be sent over the wireless network. They form the basis for the **Eltako Wireless Building** and of course they operate without a Wireless Building control unit if there is no requirement for centralised building monitoring, centralised building control or visualisation. Smartphone access is still possible for Series 14 actuators.

Eltako sensors for switch commands, temperature, brightness, motion, humidity and air quality run partly without external power supply.

Batteryless and cordless **Eltako wireless pushbuttons** and hand-held transmitters generate their own power requirements for wireless telegrams when operated. Many **Eltako sensors** generate their power requirements from a solar cell and save excess energy from daylight to storage capacitors so that there is sufficient energy for troublefree functioning in the dark.

Some of these sensors and solar cells can be made 'winterproof' with additional batteries. Further Eltako sensors have a higher power requirement which they cannot generate themselves and therefore require an external power supply.

Eltako actuators are the backbone of the **Eltako Wireless Building**. They only evaluate directly addressed wireless telegrams in order to switch or control any number of consumers in the building. Many have a **bidirectional function.**

This allows them to send back their switch states to the Wireless Building control unit or displays or directly initiate other functions via actuators. In addition, these actuators may also function as repeaters.

Of course there are specific actuators for either centralised or decentralised installation. If the **Eltako RS485 bus** is installed centrally with rail mounted devices in switch cabinets, a **wireless antenna module FAM14** is used to communicate with the actuators. The RS485 bus can also be used composite or without wireless by means of the **Eltako remote switch system FTS.**

The Eltako Wireless Building uses all Eltako wireless components in an ingenious way and can be installed even in small installations. The components are all downwards-compatible!

All sensors and actuators communicate within the Eltako wireless network by means of telegrams using the world-wide standard of the **EnOcean Alliance.** The batteryless and cordless wireless modules in the Eltako wireless pushbuttons are produced by **EnOcean** in Germany, the wireless microchips in the other sensors and actuators in Europe.

Eltako therefore develops and manufactures all the offered sensors and actuators with the Eltako logo. These are of course compatible with all products made by other manufacturers within the enormous international EnOcean family.

A SMALL SELECTION OF OUR WIRELESS SENSORS AND ACTUATORS

F4T65
Wireless push-button without battery or wire

F1FT65
Flat wireless sensor pushbutton with two touch surfaces

FDT65B
Wireless rotary dimmer switch with batteries

FBH65SB
Motion/brightness sensor

FTR65SB
Temperature controller

FMH2S-wr
Mini hand-held transmitter for calling systems

FFD
Remote control

FSR14-2x
Impulse switch

FUD14
Dimming actuator 400 W

FSR61NP
Switching actuator

FUD61NP
Dimming actuator without N

YOU CAN START SMALL WITH ELTAKO WIRELESS BUILDING

An actuator with two batteryless and wireless pushbuttons is already a very elegant solution to the problem of missing pushbuttons. The old light switch is replaced by a wireless actuator preceded by a wireless pushbutton. Up to 32 other wireless pushbuttons can be fitted. Then of course, the wireless actuator can also be a wireless dimming actuator.

At the other end of the unlimited and wide spectrum of possibilities with the Eltako Wireless Building, there are networked skyscrapers with hundreds of wireless sensors and wireless actuators, in groups or grouped floor by floor, monitored, controlled and visualised by Smart Home control units SafeIV and installed software GFVS 4.0.

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THE 3 STAGES ON THE ELTAKO WIRELESS BUILDING SUCCESS LADDER.

STAGE 1

A few wireless sensors and wireless actuators to improve or expand an existing installation. Generally with actuators installed decentrally.

STAGE 2

Several wireless sensors and wireless actuators to renovate an existing building or construct a new building but without centralised monitoring, control or visualisation. With actuators installed decentralised and centralised. Smartphone access by app and GSM module.

STAGE 3

Several wireless sensors and wireless actuators in a residential building with centralised monitoring, control or visualisation. With a Smart Home control unit SafeIV with integrated wireless antenna module and installed software GFVS 4.0. Actuators mainly installed centrally and supplemented by decentralised installation. With internet access, standard external access to smartphones over the mobile radio network. Visualisation and control from tablet PCs and smartphones.

THE SMART HOME CONTROL UNIT SAFE IV WITH WIRELESS BUILDING SOFTWARE GFVS 4.0

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A building surveillance, control and visualisation system based on a Smart Home control unit. Secure data management [2] by means of **SafeIV** [3] and the factory installed **Wireless Building Visualisation and Control Software GFVS 4.0** [4].

Monitors and transmits wireless information independent of the size of the building or number of locations. **Integrated wireless antenna** module for smaller buildings. With internet access, standard access to smartphones over the mobile radio network.

Transmission of **electricity meter parameters** directly from the RS485 interface of the meter to the bus and then to the wireless network, if required.

[1]   The blue network. Derived from the Eltako corporate colour blue which is the symbolic colour for environmental protection and sustainability in numerous countries – e.g. in the USA.

[2]   All data and events are saved to a database for a predefined period. A net storage capacity of up to 80 GB (SafeIV) resp. 200 GB (PowerSafeIV) is available for data. As protection against data loss, data is saved on a hard disc partition. In addition, data can be stored externally, e.g. on an USB stick.

[3]   The SafeIV is a Smart Home control unit of small design in the industry standard, which can be mounted anywhere. On the back of an intended VESA mounting MIS-D monitor with special screws. Otherwise fastening with slots with suspension opening at the rear.

[4]   The Wireless Building Visualisation and Control Software GFVS visualises the switch positions of actuators and the consumption of connected meters for electricity, gas, water and heat. On the other hand, direct hook-ups and controls can be switched using preset software links. For this purpose all it takes is a click of a mouse or a touch on a tablet PC, smartphone or notebook. This hardware is not included, so it can be selected according to the personal needs of the user.

THE SMART HOME CONTROL UNIT SAFE IV BLACK AND WHITE

VISUALISATION AND CONTROL WITH A TABLET PC AND SMARTPHONE

THE SMART HOME CONTROL UNIT AND ITS ASSISTANTS

Like a spider in a web the Smart Home control unit SafeIV 'feels' all 'vibrations' in the network. It detects every single wireless telegram within the entire building. This function is provided by the integrated **wireless antenna module.** Its range can be extended by installing repeaters or EnOcean access points.

There is more to the Smart Home control unit and its assistants than listening, they can also send control commands and infor-

mation over the **Eltako wireless network.** For example, to control a building's energy supply, to supply fresh air, control shading elements optimally or switch lighting from a central point.

Reliable calculations show that optimised automatic building control is required to implement the **zero energy building** or even the **+ energy building.**

THE SMART HOME CONTROL UNIT SAFE IV BLACK AND WHITE

SWITCHING AND DIMMING ACTUATORS SERIES 61 AND 71, DECENTRALISED INSTALLATION

SWITCHING AND DIMMING ACTUATORS SERIES 14, FOR CENTRAL INSTALLATION

Safe IV, black

Safe IV, pure white

Safe IV

Smart Home control unit Safe IV with LAN and if need be GSM communication, 199 x 180 x 39 mm.

The Safe IV is a Smart Home control unit of small design in the industry standard, which can be mounted anywhere. On the back of an intended VESA mounting MIS-D monitor with supplied screws. Otherwise fastening with slots with suspension opening at the rear.
The Linux operating system is installed as well as the Wireless Building Visualisation and Control Software GFVS 4.0. The wireless antenna module is integrated, a power supply is included. The Smart Home control unit is locked for other applications. The power consumption is only 11 resp. 13 watts. For power supply a switching power supply unit 230 V/12 V DC is included.
All data and events are saved to a database for a predefined period. There is a net memory capacity of up to 80 GB available for data. As protection against data loss, data is saved on a hard disc partition. In addition, data can be stored externally, e.g. on an USB stick.
The installed Wireless Building Visualisation and Control Software GFVS 4.0 visualises the switch positions of actuators and the consumption of taught-in meters for electricity, gas, water and heat. On the other hand, direct hook-ups and controls can be made using preset software links. For this purpose all it takes is a click of a mouse or a touch on a tablet PC, smartphone or notebook. This hardware is not included, so it can be selected according to the personal needs of the user

TECHNICAL DATA	
CPU	Intel processor
RAM	4 GB
Hard disk	120 GB SSD
Wireless standards / frequencies	EnOcean 868 MHz, WLAN 2.4 GHz 802.11ac
Power supply	Power supply unit 100-240 V AC/12 V DC
Power consumption (max.)	11 Watt
Dimensions (H x W x D)	199 x 180 x 39 mm
Weight	ca. 1.1 kg

Safe IV-rw	Eltako Smart Home control unit with software GFVS 4.0, pure white	EAN 4010312318287	999,00 €/pc.*
Safe IV-sz	Eltako Smart Home control unit with software GFVS 4.0, black	EAN 4010312318805	999,00 €/pc.*

Recommended retail prices excluding VAT.   * The software part is not discountable.

PowerSafe IV

Smart Home control unit PowerSafeIV with LAN and if need be GSM communication, 199 x 180 x 39 mm.

The PowerSafe IV is a Smart Home control unit of small design in the industry standard, which can be mounted anywhere. On the back of an intended VESA mounting MIS-D monitor with supplied screws. Otherwise fastening with slots with suspension opening at the rear.

The Linux operating system is installed as well as the Wireless Building Visualisation and Control Software GFVS 4.0. The wireless antenna module is integrated, a power supply is included. The Smart Home control unit is locked for other applications.

The power consumption is only 35 resp. 37 watts. For power supply a switching power supply unit 230 V/12 V DC is included.

All data and events are saved to a database for a predefined period. There is a net memory capacity of up to 200 GB available for data. As protection against data loss, data is saved on a hard disc partition. In addition, data can be stored externally, e.g. on an USB stick.

The installed Wireless Building Visualisation and Control Software GFVS 4.0 visualises the switch positions of actuators and the consumption of taught-in meters for electricity, gas, water and heat. On the other hand, direct hook-ups and controls can be made using preset software links. For this purpose all it takes is a click of a mouse or a touch on a tablet PC, smartphone or notebook. This hardware is not included, so it can be selected according to the personal needs of the user.

For external communication, the PowerSafeIV can be equipped with a GSM modem. Recognisable by the third antenna for communication over the GSM mobile network.

Provided an internet access exists, it permits external access by smartphone and/or tablet PC for visualisation and control. This is free of charge on the building side. Very simple and secure registration using Eltako quickcon® technology. If no data card is fitted for the optional GSM modem, the Data Communication Pack GFVS-Comm is required to permit external access.

GSM is the Global System for Mobile Communications which is used for mobile radio (D and E networks in Germany) and to exchange data packets

PowerSafe IV, pure white

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TECHNICAL DATA	
CPU	Intel Core i7 Prozessor
RAM	8 GB
Hard disk	240 GB SSD
Wireless standards / frequencies	EnOcean 868 MHz, WLAN 2.4 GHz 802.11ac
Power supply	Power supply unit 100-240 V AC / 12 V DC
Power consumption (max.)	35 watts without GSM modem, 37 watts with GSM modem
Dimensions (H x W x D)	199 x 180 x 395-7mm
Weight	ca. 1.1 kg

PowerSafe IV-rw	Eltako Smart Home control unit with software GFVS 4.0, pure white	EAN 4010312318294	**1.999,00 €/pc.***
GSM-Modem	GSM modem upgrade	EAN 4010312318836	**150,00 €/pc.***

* The software part is not discountable

GFVS 4.0

Wireless Visualisation and Control Software GFVS 4.0. Included in the scope of supply of the Smart Home control units SafeIV, PowerSafeIV and TouchIV.
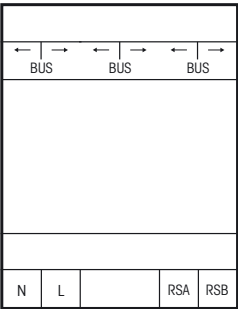
A wireless receiver for transmitting and receiving the wireless telegrams is already integrated in the Smart Home control units SafeIV, PowerSafeIV and TouchIV.
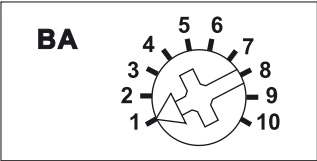For connecting tablets, smartphones or PC, access rights for 5 devices (clients) are included in delivery.
Free download of apps for tablets and smartphones from Google and Apple stores.

- two language system in German and English with simple switchover
- status feedbacks can be integrated from most actuators in Series 14, 61 and 71
- appealing operating apps for smartphone and tablet PC
- 5 clients included in the system scope of supply for direct control by smartphone, tablet and PC
- automatic data backup of the entire system, up to 3 baclups can be saved
- recovery mode to restore system backups
- visualisation software with control functions for:
  - control and dim light on/off
  - control roller shutters/blinds/awnings
  - control temperature in individual rooms
  - light scenes
  - time-controlled astro functions
  - register and control by email
  - evaluate electricity meters via the energy cockpit with currency selection
  - surveillance functions with up to 5 cameras
  - hotline free of charge

PERFORMANCE FEATURES	GFVS 4.0
Number of supported sensors and energy meter transmitter modules	unlimited
Number of supported actuators	unlimited
Number of supported clients	5
Number of supported cameras up to a resolution of 1280 x 1024	5
Number of supported timers	unlimited
SQL database in scope of delivery	✓
Sends text messages/e-mails	✓
Voice control	✓
Supports Eltako apps	✓
256 bit encryption	✓

FGSM14

Wireless GSM module for the Eltako RS485 bus. Bidirectional. Standby loss 0.9 watt. The GSM antenna is contained in the scope of supply.

DIN rail mounted device for fitting on mounting rail DIN-EN 60715 TH35.
3 modules = 54 mm wide, 58 mm deep.
When receiving and transmitting the power loss is about 2 watts.
Connection to the Eltako-RS485 bus. Bus cross wiring and power supply with jumper.
The GSM module links smartphones encrypted directly to the bus over the mobile radio network.
Thereby up to 16 Series 14 switching points in the same RS485 bus can be very easily addressed encrypted by Eltako app. Multiple actuators can be addressed per switching point. The switching points report their status back. In addition, 8 other status messages, for example for temperatures and error messages, are possible.
A status overview takes place immediately when the app is activated in the smartphone.
Very simple and secure registration using **Eltako quickcon® technology.**
Now also with Push Function. It displays fault messages actively on smartphones. It is triggered by smoke alarms, water probes or window contacts, for example.
Download the app 'FGSM14' from the store of your iPhone or Android mobile system.
The configuration of the FGSM14 is done with the PC-Tool PCT14 at the FAM14 or FTS14KS.
Power is supplied by an integrated switch mode power supply unit independent from the bus power supply. Therefore, a 230 V supply voltage to L and N is required.
If the GSM receiver is not installed at the same place in a distributor containing Series 14 actuators, the bus is connected to a bus coupler FBA14 using a 2-wire screened bus line (e.g. telephone line). Then connect to the RSA and RSB terminals.
For the function of the GSM module FGSM14 it is necessary that a device address is assigned from the FAM14 or the FTS14KS as described in the operating instructions.
A data flat for 2 years is included in the price of the version for Germany.
Only one application form for commissioning must be completed and submitted. This is located in the package. The activation takes place on the next business day after receipt. Subsequent contracts are offered automatically.
A data card is already inserted in the FGSM14. This can be replaced with the card of another provider after removing the middle front plate. No data card is included in the delivery of the FGSM14E.

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Mode switch

Standard setting ex works.

GSM antenna with 250 cm cable

Housing for operating instructions GBA14, see accessoirs, chapter Z.

FGSM14	Wireless GSM module Germany with dataflat for two years	EAN 4010312314098	**285,00 €/pc.***
FGSM14E	Wireless GSM module Export without dataflat	EAN 4010312315637	**215,00 €/pc.***

Recommended retail prices excluding VAT.

* The software part is not discountable.

Touch IV

Touch IV, black glossy

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Touch IV, pure white glossy

**The Smart Home control unit.
Switch on, configure and use!**

15.6" monitor PC Touch IV for continuous duty with integrated wireless antenna module and ready installed Wireless Visualisation and Control Software GFVS 4.0 for all the necessary sensors and actuators, 5 clients, 5 cameras and any number of sensors, actuators and timers. Smartphone link over WLAN. With stand for standalone installation or for mounting on the wall. The **VESA mount** for wall mounting can be ordered separately.

This monitor PC has a Linux operating system and is locked for other applications so GFVS 4.0 can work free of faults. Suitable for 24/7 non-stop operation. The scope of supply includes a mains adapter.
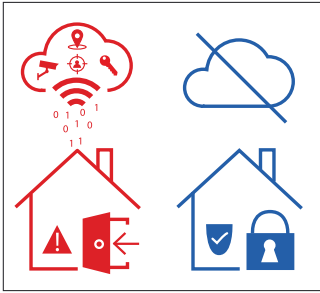
All data and events are saved to a database for a predefined period. There is a net memory capacity of up to 80 GB available for data. As protection against data loss, data is saved on a hard disc partition. In addition, data can be stored externally, e.g. on an USB stick.

The installed Wireless Building Visualisation and Control Software GFVS 4.0 visualises the switch positions of actuators and the consumption of taught-in meters for electricity, gas, water and heat. On the other hand, direct hook-ups and controls can be made using preset software links. One touch is all that's needed.

Provided an internet access exists, it permits external access by smartphone and/or tablet PC for visualisation and control. This is free of charge on the building side. Very simple and secure registration using Eltako quickcon® technology

TECHNICAL DATA	
CPU	Intel processor
RAM	4 GB
Hard disk	120 GB SSD
Wireless standards / frequencies	EnOcean 868 MHz, WLAN 2,4 GHz 802.11ac
Monitor	39.6 cm (15.6") resistive touch screen
Power supply	Power supply unit 100-240 V AC / 19 V DC
Power consumption (max.)	7 watts with monitor off, 12 watts with monitor on
Dimensions (H x W x D)	391 x 327 x 42 mm
Weight	approx. 3.6 kg

Touch IV-wg	Smart Home control unit Touch PC with GFVS 4.0, pure white glossy	EAN 4010312318829	999,00 €/pc*
Touch IV-sz	Smart Home control unit Touch PC with GFVS 4.0, black glossy	EAN 4010312318812	999,00 €/pc*
VESA Wand-halterung	For mounting TouchIV on the wall	EAN 4010312312629	32,90 €/pc.

No cloud connection needed.
Data is available directly on site at
the smart home control unit.

MiniSafe

The MiniSafe as Smart Home control unit receives EnOcean signals from many Eltako sensors and actuators and permits highly encrypted access, both internally and externally, with the app GFA4 by smartphone or tablet. Smart Home controller.

MiniSafe connected to the local network via Ethernet. The intended use of the MiniSafe is the bidirectional communication with EnOcean wireless signals over Ethernet (TCP/IP).
Recommendation: maximum 30 actuators and sensors for approx. 10 seconds connection time between app and MiniSafe.
Scope of supply: MiniSafe, wall adapter power supply, 1x ethernet cable 2 m RJ45, quick start guide, instruction for downloading the app GFA4.
Specifications: Processor: Intel X1021, memory: 1GB DDR3 RAM + 4 GB eMMC, LAN: 1x 10/100 Mbit ethernet, integrated EnOcean-868MHz wireless module (TCM310) ESP3, power supply 5V, plastic housing pure white glossy, dimensions: 165x70x35mm with slots for wall mounting and feet to put down, weight: 175 grams. The configuration and control is performed via the app GFA4 from the Android app store or Apple app store.

MiniSafe	Smart Home control unit	EAN 4010312319079	297,00 €/pc.*

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No cloud connection needed. Data is available directly on site at the smart home control unit.

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MiniSafe REG

The MiniSafe REG as Smart Home control unit receives EnOcean signals from many Eltako sensors and actuators and permits highly encrypted access, both internally and externally, with the Eltako Wireless Building app GFA4 by smartphone or tablet. Smart Home controller.
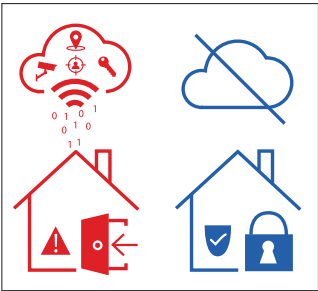
MiniSafe REG connected to the local network via Ethernet. The intended use of the MiniSafe REG is the bidirectional communication with EnOcean wireless signals over Ethernet (TCP/IP).
Recommendation: maximum 30 actuators and sensors for approx. 10 seconds connection time between app and MiniSafe.
Scope of supply: MiniSafe REG, wireless antenna, wall adapter power supply, 1x ethernet cable 2 m RJ45, 2x DIN rail adapters, quick start guide, instruction for downloading the app GFA4.
Specifications: Processor: Intel X1021, memory: 1 GB DDR3 RAM + 4 GB eMMC, LAN: 1x 10/100 Mbit ethernet, integrated EnOcean-868 MHz wireless module (TCM310) ESP3, power supply 5 V, plastic housing gray RAL 7035, dimensions: 165 x 70 x 35 mm with slots for wall mounting and feet to put down, weight: 175 grams. The configuration and control is performed via the app GFA4 from the Android app store or Apple app store. The enclosed small antenna can be replaced with a wireless antenna FA250 with magnetic base and cable.
Can be mounted on an DIN rail DIN-EN 60715 TH35 with the DIN Rail adapters for the long holes, 10 pitches wide. Instead of the adapter plug, the DIN-rail power supply HDR-30-5 can be used. The special 5 V connection cable is already mounted.

MiniSafe REG	Smart Home control unit	EAN 4010312319017	308,80 €/pc.*
FA250	Wireless antenna with 250 cm cable, black	EAN 4010312300244	21,80 €/pc.
FA250-gw	Wireless antenna with 250 cm cable, grey white	EAN 4010312317051	21,80 €/pc.
HDR-30-5	Power supply unit 5 V/15 W for MiniSafe REG	EAN 4010312318874	43,40 €/pc.

WP

The wibutler pro-Home-Server is the Smart Home control unit of a cross-trade home automation solution which is capable of connecting several wireless sensors and wireless actuators together. Offline mode is optional via a separate access point without any online connection. Encrypted communications. Smart Home server.

The scope of supply comprises a profile pushbutton F4PT.
The products are easy to start up using an app contained in the scope of supply. Simply download the app from the wibutler.com website for iOS and Android devices.

Technical specifications: Power supply: 12 V DC, 100 V–240 V AC, 50/60 Hz; wireless protocols: EnOcean/ 868,3 MHz, Z-Wave, ZigBee; WLAN; LAN: 1x Ethernet-RJ 45; hard disk: integrated 8 GB SSD; RAM: 1GB DDR3-RAM; processor: 1GHz CPU ARMADA 370 ARM v7; audio: integrated loudspeaker, 3.5 mm jack connector.

Size (L x W x H): 11.7 x 11.7 x 4.1 cm; colour: white.

wibutler pro Smart Home control unit

wibutler app Eltako Edition

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WP	wibutler pro Smart Home control unit	EAN 4010312317372	**462,80 €/pc.***

THE WIBUTLER CONCEPT

Wibutler is a manufacturer independent smart home solution to simplify people´s everyday lives. The solution combines products of various manufacturers and needs only a single app for users to control, combine and automate all products. Using time and automation rules defined especially for this application, wibutler can assume tasks and act according to its owner´s wishes.

wibutler pro
The core of the solution is the pro Smart Home control unit wibutler. Thanks to multiple wireless standards (EnOcean, ZWave, ZigBee, WLAN and Bluetooth), it is extremely compatible and is capable of networking products irrespective of the manufacturer. The Smart Home control unit translates wireless standards as required and allows the networking of products of different standards, manufacturers and industries. The wibutler pro is especially safe when used in offline mode. No connection to the Internet is then required.

wibutler app Eltako Edition
It takes only a few clicks to network, automate and control smart products using the wibutler app Eltako Edition. The entire house is networked and controlled by a single app.

This is how it works:

- **Automation rules:** The wibutler organises devices to work in teams. Devices react by means of if/then rules to movements or actions such as the opening or closing of windows, doors or drawers.

- **Time control:** wibutler uses time rules to learn repetitive tasks which must be executed at particular times.

- **Remote control:** using wibutler via your smartphone or tablet when you're away from home to check the state of devices and appliances at home and change them to the state you want.

- **Consumption logs:** wibutler measures consumption and displays where are the greatest saving potential.

- **Profiles:** defined rules are assigned to profiles (e.g. , 'Home Day/ Night', 'Away' and 'Holiday'). With one click of a profile pushbutton you can change the entire house to the mode you require (e.g. 'Away': All OFF, alarm system and presence simulations ON).

Recommended retail prices excluding VAT.

* The software part is not discountable.

EAP165

Gateway with ETHERNET interface to run with a Smart Home Central Unit Safe or Touch together with the Wireless Building Visualisation and Control Software GFVS.

The EAP165 receives all wireless telegrams from the Eltako Wireless Building system from a building surface area of approx. 200 to 400 m^2 and forwards them via ETHERNET to the GFVS software. It also sends wireless telegrams from the software to the Eltako Wireless Building.

Scope of supply: EAP165, externes Steckernetzteil, austauschbare EnOcean-Antenne, Ethernet Anschlusskabel 2 m RJ45, Kurzanleitung.

Specifications: Processor: Intel X1021, memory: 1 GB DDR3 RAM + 4 GB eMMC, LAN: 1x 10/100 Mbit Ethernet, integrated EnOcean-868 MHz wireless module (TCM310) ESP3, power supply 5 V, plastic housing gray RAL 7035, dimensions: 165 x 70 x 35 mm with slots for wall mounting and feet to put down, weight: 175 grams. Configuration is by means of the Eltako IP Configurator which is obtainable from
https://www.eltako.conm/de/software.html

EAP165	IP gateway	EAN 4010312319130	**299,80 €/pc.***

* The software part is not discountable.

fixDock-iPad10.5-

NEW

In-wall docking station with charging function for permanent vertical or horizontal installation (lock: permanent) of an Apple iPad Pro or Air 10.5", flush-mounted mounting enclosure, aluminium frame, glass cover in white or black. Power supply 100–240 V AC to USB 5 V DC/2 A included. Dimensions: 226,0 x 315,0 x 78,0 mm, flush-mounted cut-out dimensions: 215,0 x 305,0 x 78,0 mm.

fixDock-iPad10.5-w-HV	In-wall docking station with charging function, white	EAN 4010312320976	**519,20 €/pc.**
fixDock-iPad10.5-b-HV	In-wall docking station with charging function, black	EAN 4010312320969	**519,20 €/pc.**

fixDock-iPad5-

In-wall docking station with charging function for permanent vertical or horizontal installation (lock: permanent) of an Apple iPad Air, iPad Air 2. iPad 9.7" or iPad Pro 9.7", flush-mounted mounting enclosure, aluminium frame, glass cover in white or black. Power supply 100–240 V AC to USB 5 V DC/2 A included. Dimensions: 226,0 x 315,0 x 78,0 mm, flush-mounted cut-out dimensions: 215,0 x 305,0 x 78,0 mm.

fixDock-iPad5-w-HV	In-wall docking station with charging function, white	EAN 4010312319499	**429,50 €/pc.**
fixDock-iPad5-b-HV	In-wall docking station with charging function, black	EAN 4010312319482	**429,50 €/pc.**

fixDock-mini4-

In-wall docking station with charging function for permanent vertical or horizontal installation (lock: permanent) of an Apple iPad Mini 1–5, aluminium frame, glass cover in white or black. Power supply 100–240 V AC to USB 5 V DC/2 A included. Dimensions: 194,0 x 284,0 x 90,0 mm, flush-mounted cut-out dimensions: 176,0 x 274,0 x 22,0 mm.

fixDock-mini4-w-HV	In-wall docking station with charging function, white	EAN 4010312319512	**409,00 €/pc.**
fixDock-mini4-b-HV	In-wall docking station with charging function, black	EAN 4010312319505	**409,00 €/pc.**

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Recommended retail prices excluding VAT.

ON-WALL DOCKING STATION WITH CHARGING FUNCTION

surDock-iPad 10.5"-

On-wall surface-mount docking station with charging function for horizontal permanent installation of an Apple iPad Pro or Air 10.5", Aluminum enclosure and glass cover in white or black. External power supply 100-240 V AC to USB 5 V DC/2 A included. Installation using EU standard switch box or US single gang wall box. Dimensions: 215,0 x 305,0 x 22,5 mm.

surDock-iPad 10,5"-w	On-wall surface-mount with charging function, white	EAN 4010312320174	499,00 €/pc.
surDock-iPad 10,5"-b	On-wall surface-mount with charging function, black	EAN 4010312320181	499,00 €/pc.

surDock-iPad5

On-wall surface-mount docking station with charging function for horizontal permanent installation of an Apple iPad Air, iPad Air 2, iPad 9.7" or iPad Pro 9.7", Aluminum enclosure and glass cover in white or black. External power supply 100-240 V AC to USB 5 V DC/2 A included. Installation using EU standard switch box or US single gang wall box. Dimensions: 215,0 x 305,0 x 22,5 mm.

surDock-iPad5-w	On-wall surface-mount with charging function, white	EAN 4010312320150	479,00 €/pc.
surDock-iPad5-b	On-wall surface-mount with charging function, black	EAN 4010312320167	479,00 €/pc.

surDock-mini4-

On-wall surface-mount docking station with charging function for permanent vertical or horizontal installation (lock: permanent) of an Apple iPad Mini 1- 5, aluminium enclosure and glass cover in white or black. External power supply 100-240 V AC to USB 5 V DC/2 A included. Dimensions: 175,4 x 274,0 x 22,0 mm.

surDock-mini4-w	On-wall surface-mount with charging function, white	EAN 4010312320198	416,00 €/pc.
surDock-mini4-b	On-wall surface-mount with charging function, black	EAN 4010312320204	416,00 €/pc.

Recommended retail prices excluding VAT.

LWA-5 + LBA-5

In-wall docking station with charging function and motor for horizontal installation (lock: pre-installed) of an Apple iPad Air, iPad Air 2, iPad 9.7" or iPad Pro 9.7", the in-wall installation box must be ordered separately, aluminium frame and aluminium cover in white or black. iPad is unlocked by motor and swivelled to the front by motor for removal. Standard dimensions: 226,4 x 351,9 x 68,2 mm, flush-mounted dimensions: 246,5 x 372,0 x 78,0 mm; Flush-mounted cut-out dimensions, standard: 205,0 x 295,0 x 65,0 mm, flush-mounted cut-out dimensions flush-mounted: 231,0 x 357,0 x 78,0 mm.

LWA-5	Docking station with charging function and motor, white	EAN 4010312319550	**899,00 €/pc.**
LBA-5	Docking station with charging function and motor, black	EAN 4010312319543	**899,00 €/pc.**

LWG-5 + LBG-5

In-wall docking station with charging function and motor for horizontal installation (lock: pre-installed) of an Apple iPad Air, iPad Air 2, iPad 9.7" or iPad Pro 9.7", the in-wall installation box must be ordered separately, aluminium frame and glass cover in white or black. iPad is unlocked by motor and swivelled to the front by motor for removal. Standard dimensions: 226,4 x 351,9 x 68,2 mm, flush-mounted dimensions: 246,5 x 372,0 x 78,0 mm; Flush-mounted cut-out dimensions, standard: 205,0 x 295,0 x 65,0 mm, flush-mounted cut-out dimensions flush-mounted: 231,0 x 357,0 x 78,0 mm.

LWG-5	Docking station with charging function and motor, white	EAN 4010312319574	**999,00 €/pc.**
LBG-5	Docking station with charging function and motor, black	EAN 4010312319567	**999,00 €/pc.**

LWG-Code5 + LBG-Code5

In-wall docking station with charging function and motor for horizontal installation (lock: pre-installed) of an Apple iPad Air, iPad Air 2, iPad 9,7" or iPad Pro 9.7", the in-wall installation box must be ordered separately, aluminium frame and glass cover in white or black. iPad is unlocked by motor and swivelled to the front by motor for removal. Unlocked by entering a code (Activation of the code via the iPad App). Standard dimensions 226,4 x 351,9 x 68,2 mm, flush-mounted dimensions: 246,5 x 372,0 x 78,0 mm; flush-mounted cut-out dimensions standard: 205,0 x 295,0 x 65,0 mm, flush-mounted cut-out dimensions: 231,0 x 357,0 x 78,0 mm.

LWG-Code-5	Docking station with charging function, motor and code secured iPad lock, white	EAN 4010312319598	**1199,00 €/pc.**
LBG-Code-5	Docking station with charging function, motor and code secured iPad lock, black	EAN 4010312319581	**1199,00 €/pc.**

Recommended retail prices excluding VAT.

miniDock4-

In-wall docking station with charging function and motor for vertical or horizontal installation (lock: pre-installed) of an Apple iPad mini 1-5, the in-wall installation box must be ordered separately, aluminium frame and glass cover in white or black. iPad is unlocked by motor and swivelled to the front by motor for removal. Dimensions: 226,0 x 315,0 x 78,0 mm, flush-mounted cut-out dimensions: 215,0 x 305,0 x 78,0 mm.

miniDock4-w-m	Docking station with charging function and motor, white	EAN 4010312319536	747,20 €/pc.
miniDock4-b-m	Docking station with charging function and motor, black	EAN 4010312319529	747,20 €/pc.

iBezel-5-

In-wall docking station with charging function and motor for horizontal installation (lock: pre-installed) of an Apple iPad Air, iPad Air 2, iPad 9.7" or iPad Pro 9.7", the in-wall installation box must be ordered separately, aluminium frame and glass cover in white or black. iPad is unlocked by motor and swivelled to the front by motor for removal. Unlocked by entering a code (Activation of the code via the iPad App). Built-in controller as well as key panel integrated into glass panel. Control commands transferred to a system controller via 8 freely programmable keys. Standard dimensions: 226.4 x 351.9 x 68.2 mm, flush-mounted dimensions: 246.5 x 372.0 x 78.0 mm; Flush-mounted cut-out dimensions, standard: 205.0 x 295.0 x 65.0 mm, flush-mounted cut-out dimensions flush-mounted: 231.0 x 357.0 x 78.0 mm.

iBezel-5-w	Docking station with charging function, motor and control function, white	EAN 4010312319611	1299,00 €/pc.
iBezel-5-b	Docking station with charging function, motor and control function, black	EAN 4010312319604	1299,00 €/pc.

PBA-5 + PWA-5 `NEW`

In-wall docking station with charging function and motor for vertical installation (lock: pre-installed) of an Apple iPad Air, iPad Air 2, iPad 9.7" or iPad Pro 9.7", the in-wall installation box must be ordered separately, aluminium frame and aluminium cover in white or black. Standard dimensions: 226,2 x 315,7 x 68,2 mm, flush-mounted dimensions: 246,5 x 336,0 x 78 mm; Flush-mounted cut-out dimensions, standard: 205,0 x 295,0 x 65,0 mm, flush-mounted cut-out dimensions flush-mounted: 230,6 x 320,1 x 78,0 mm.

PBA-5	Docking station with charging function and motor, black	EAN 4010312320860	798,50 €/pc.
PWA-5	Docking station with charging function and motor, white	EAN 4010312320877	798,50 €/pc.

Recommended retail prices excluding VAT.

iTop-Pro-

Desktop docking station with charging function for horizontal installation of an Apple iPad mini 1- 5, iPad Air, iPad Air 2, iPad 9.7", iPad Pro 9.7", iPad Pro, Air 10.5" or iPad Pro 12.9" with sliding Lightning connector for positioning. Keypad with 6 keys and controller with control interfaces integrated in glass front. Control commands transferred to a system controller via 6 freely programmable keys. Aluminium enclosure with glass front in white or black. Dimensions: 280 x 160 x 138 mm; weight: 2.2 kg.

iTop-Pro-w	Desktop docking station with charging function and control function, white	EAN 4010312319635	**899,00 €/pc.**
iTop-Pro-b	Desktop docking station with charging function and control function, black	EAN 4010312319628	**899,00 €/pc.**

iTop-Plus-

Desktop docking station with charging function for horizontal installation of an Apple iPad mini 1-5, iPad Air, iPad Air2, iPad 9.7", iPad Pro 9.7", iPad Pro, Air 10.5" or iPad Pro 12.9" with sliding Lightning connector for positioning. Built-in controller as well as key panel integrated into glass panel. Keypad with 6 keys and controller with control interfaces integrated in glass front. Control commands transferred to a system controller via 6 freely programmable keys. iTop-Plus locks the iPad to protect it against theft. Aluminium enclosure with glass front in white or black. Dimensions: 280 x 160 x 138 mm; weight: 2.4 kg.

iTop-Plus-w	Desktop docking station with charging function, iPad lock and control function, white	EAN 4010312319659	**999,00 €/pc.**
iTop-Plus-b	Desktop docking station with charging function, iPad lock and control function, black	EAN 4010312319642	**999,00 €/pc.**

Recommended retail prices excluding VAT.

BB-B

Flush-mounted box made of flame-retardant plastic for all iDock models, mounted vertically and horizontally. Projection of iDock surface 7 mm. Dimensions: 215,0 x 305,0 x 65,0 mm; cut-out dimensions: 205,0 x 295,0 x 65,0 mm.
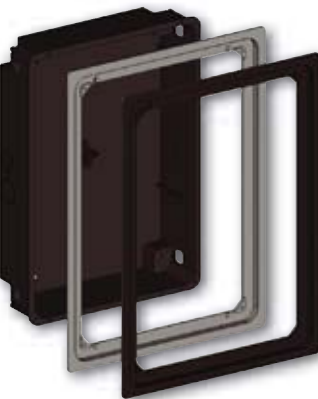
BB-B	Flush-mounted box for all iDock models, vertical or horizontal	EAN 4010312319666	**81,00 €/pc.**

BB-LAB + BB-LAS

Flush-mounted box made of flame-retardant plastic for all iDock models, flush-mounted, mounted horizontally, aluminium frame in silver or black. Projection of iDock surface 2 mm. Dimensions: 246.5 x 372.0 x 78.0 mm; cut-out dimensions: 231.0 x 357.0 x 78.0 mm.

BB-LAB	Flush-mounted box for all iDock models with glass or aluminium fronts, horizontal, black	EAN 4010312319673	**173,20 €/pc.**
BB-LAS	Flush-mounted box for all iDock models with glass or aluminium fronts, horizontal, silver	EAN 4010312319772	**173,20 €/pc.**

BB-PAB + BB-PAS   NEW

Flush-mounted box made of flame-retardant plastic for iDock models, flush-mounted, mounted vertically, aluminium frame in silver or black. Projection of miniDock surface 2 mm. Dimensions: 246,5 x 336 x 78 mm; Cut-out dimensions: 230,6 x 320,1 x 78,0 mm.

BB-PAB	Flush-mounted box for all iDock models with glass or aluminium fronts, vertical, black	EAN 4010312320884	**173,20 €/pc.**
BB-PAS	Flush-mounted box for all iDock models with glass or aluminium fronts, vertical, silver	EAN 4010312320891	**173,20 €/pc.**

Recommended retail prices excluding VAT.

BB-Mini

Flush-mounted box made of flame-retardant plastic for miniDock models, flush-mounted, mounted vertically or horizontally, aluminium frame in silver or black. Projection of miniDock surface 2mm. Dimensions: 226,0 x 315,0 x 78,0 mm; Cut-out dimensions: 215,0 x 305,0 x 78,0 mm.

BB-Mini	miniDock flush-mounted box, horizontal and vertical, silver	EAN 4010312319680	111,70 €/pc.
BB-Mini-AB	miniDock flush-mounted box, horizontal and vertical, black	EAN 4010312319697	142,50 €/pc.