



## **Eltako Professional Smart Home – The intelligent system in the building**





**Intelligent  
solutions for your  
electrical installation**

Discover the many different  
possibilities

# Eltako Professional Smart Home

## That's why our Smart Home is “professional”

### **70 years of experience in smart building systems**

The name of Eltako has stood for performance and inventiveness for over 70 years – for a high level of capabilities and quality in the development and production of innovative products for building installation and control systems.

### **Safe investment**

Every day, totally new manufacturers launch new Smart Home solutions on the market. But can they offer them with a clear conscience to their long-term customers? Do you know whether the components in their devices meet your quality demands? Do you know whether these companies will continue to exist in future – and this also applies to spare parts?

Our name stands for tradition and quality. When you opt for **Eltako Professional Smart Home**, you choose a system which was developed based on many years of experience and which has a reliable future.

### **EnOcean wireless standard**

**Eltako Professional Smart Home** is based on the world-wide EnOcean wireless standard. Exclusive EnOcean highlights include wireless pushbuttons and window/door contacts with energy generators. They have no batteries and are therefore maintenance-free. As a shareholder of EnOcean GmbH and promoter of the EnOcean Alliance, we stand for continuous development of the international EnOcean wireless standard.

### **Employees**

Our sales and engineering team is present all over Europe and will support you to find a solution to your requirements. We can provide you with support either on site within 24 hours, or via our hotline, or via a WhatsApp chat. We accompany you from the design stage right through to start-up.

### **Development and quality Made in Germany**

Eltako is a family-owned enterprise with its head offices in Fellbach, a town on the outskirts of Stuttgart in the German federal state of Baden-Wuerttemberg. The production plant for electromechanical switchgear and the central warehouse are located in Lossburg, a small town in the Black Forest. Electronic devices are manufactured in a factory in Shenzhen which is certified to ISO 9001-2015. Research and development, quality management, customer service, sales management and the central administration are located at the company's head offices in Fellbach.

### **5-year warranty**

Starting in 2019, we offer a voluntary extended warranty period of 5 years from the data of manufacture on all products we supply bearing the ELTAKO label.



Raise the level  
of your  
home comfort

with our  
smart building  
control system



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## Individual Smart Home solutions

### Versatile solutions for you at a glance



#### Lighting

Optimal lighting in all rooms. Dimmers and light scenarios create a cosy atmosphere.



#### Shading

Control roller shutters and blinds as required and automatically. The powered awning offers protection against sunlight.



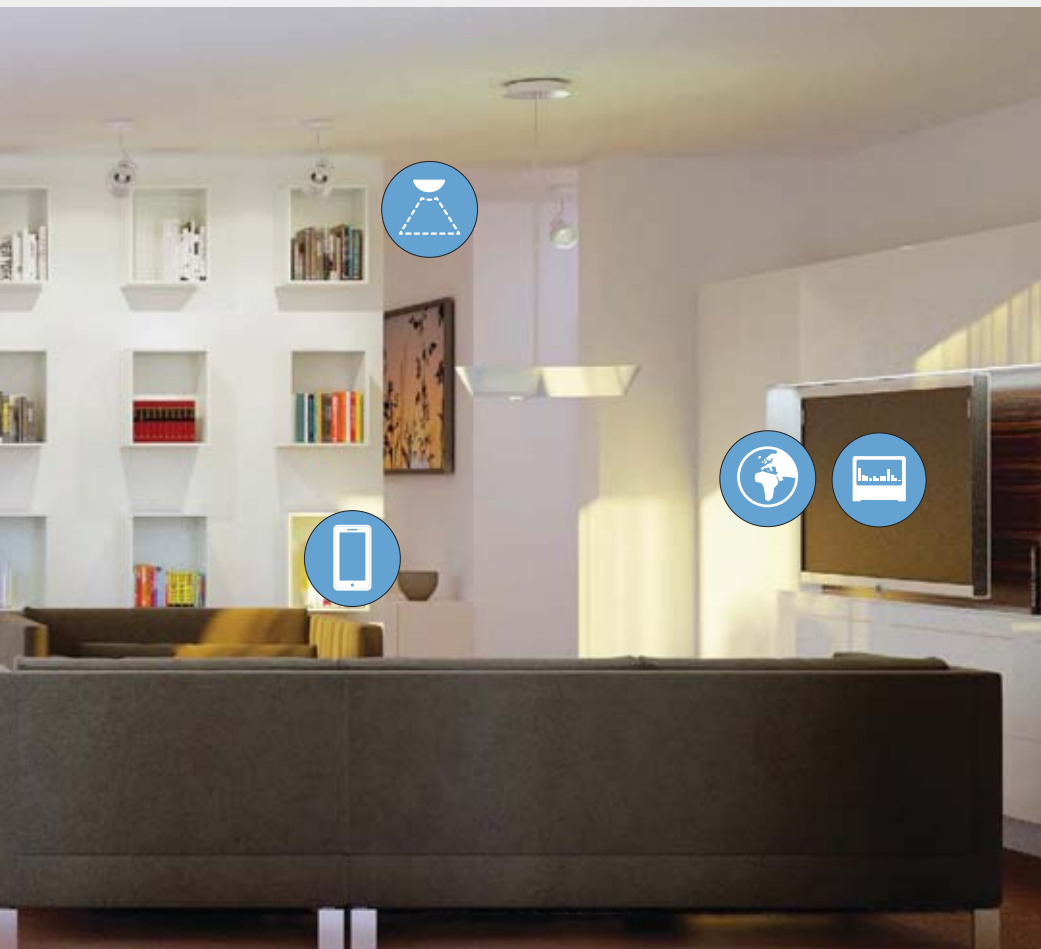
#### Heating

Regulate the temperature to suit your needs in every room. Energy-efficient temperature control and ideal heat distribution.



#### Comfort

Automatic switching thanks to motion detection and brightness sensors. Presence simulation with timers to control lighting, shading and heating.



### Energy savings

Consumption monitoring and display on indicators or by software (Smart Metering). Automatic switch on and off of consumers to save energy.



### Security

Display of open windows and doors. Warning signal in case of malfunction, break-in or emergency call. Encrypted wireless on request even inside the house.



### Air conditioning

Fresh air at all times by the automatic switching of the air-conditioning system and window monitoring.



### Networking

Installation or integration of a complete network system. Various access points to building installation functions.



### Visualisation

Visualisation and control of building automation systems by software.



### Mobile App

Remote access to the building via app, with smartphone, tablet or PC including camera connection. High-security end-to-end encryption.



## No gentler way to wake up

Slowly it gets brighter in your bedroom. A time-controlled dimmer gently turns the lights up. Press the pushbutton installed next to your bedside table to open the roller shutters and switch off the lights. That's how simple and convenient it is! That's how to start into the day relaxed.



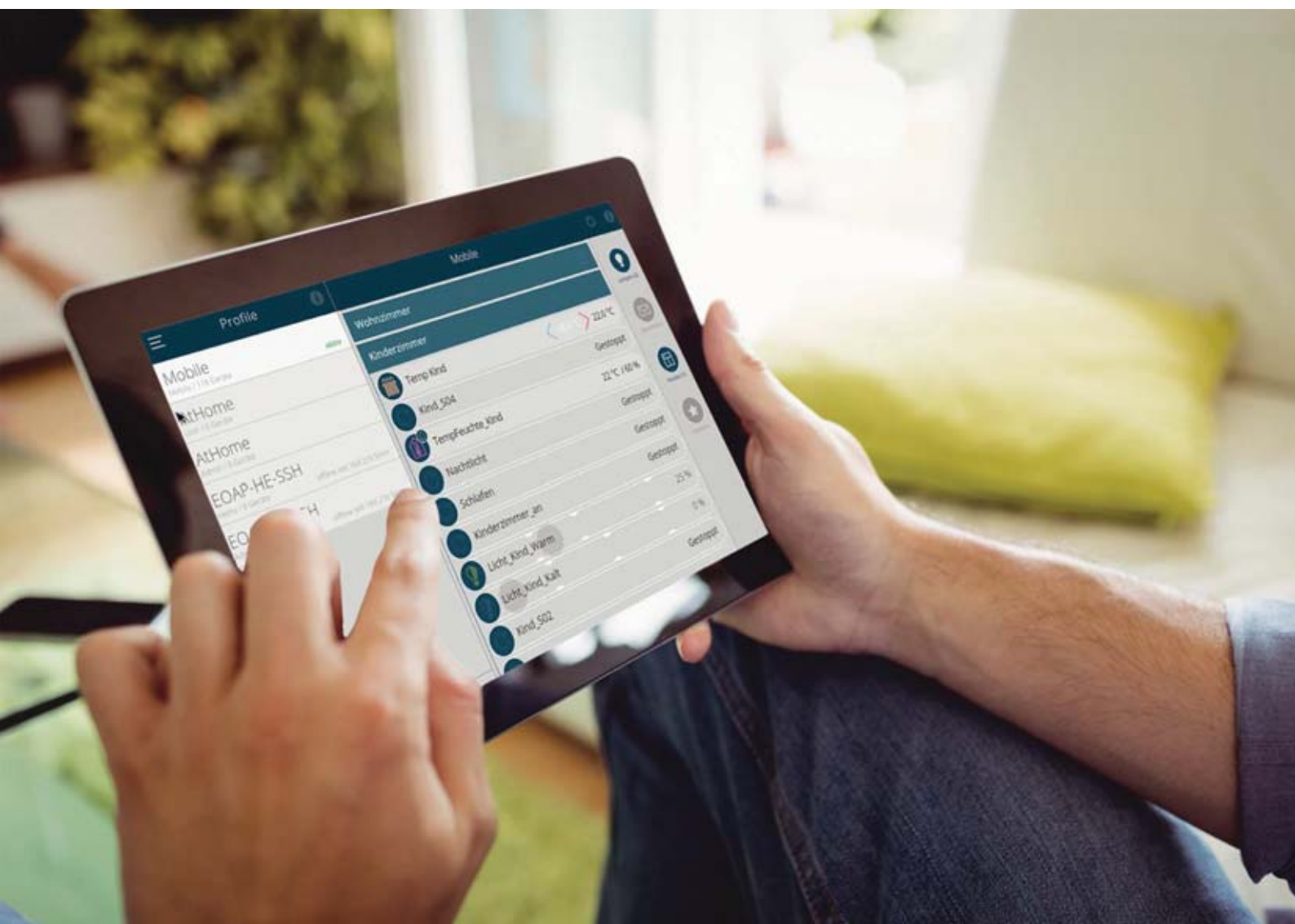




## Smart Home control for my home

Control, visualise and monitor your home using the convenience of a smartphone or tablet via the Smart Home control units MiniSafe, MiniSafeREG, SafeIV, PowerSafeIV or TouchIV. The Wireless Building app GFA2 or GFA4 keeps you fully in the picture at all times and it also has all the functions so that you can operate them either inside your home or even from a foreign country while you're on holiday.

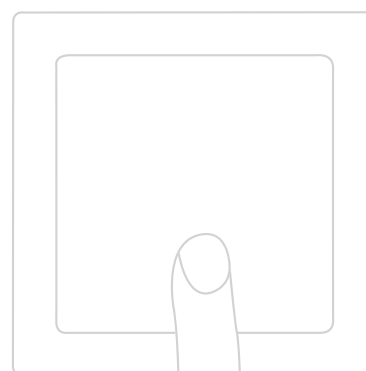
A connection from your mobile terminal is secure through end-to-end encryption.





Tap the Central Off pushbutton to switch all electrical systems to power saving mode when you leave the house.

All the lights and consumers are switched off immediately and room temperature is reduced if required.



**F4T65**  
Wireless 4-way pushbutton with rocker  
without battery or wire



**F4T65**  
Wireless 4-way pushbutton with  
double rocker without battery or wire



**F1T65**  
Wireless 1-way flat pushbutton  
without battery or wire



## Saving energy all by itself

Do you select the functions of your shading system by means of central commands – dependent on time and brightness – or do you prefer to press a pushbutton in the room you're in?

Perfect coordination of smart sensors and easy operation provides you with greater convenience and increased security.



### The house in your pocket

A thunderstorm is approaching – are all the windows shut? Are the blinds and awnings in retracted position? Just let me check again ... It's so simple by smart-phone or tablet while you're on the move.

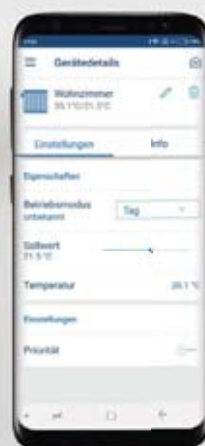




### The house in your pocket

I'm home in another half an hour and then I'd like it to be warm and cosy!

I'll just turn the heating on ... It's so simple by smart-phone or tablet while you're on the move.





## Just feel at home

The convenient temperature control makes it nice and cosy in every room. Just the way you want it. The right climate whatever the season, whether it's spring, summer, autumn or winter.

Individual room control not only distributes heat optimally, it also helps save energy.

A window contact turns your heating system into an energy saver. As soon as you open the window, the set temperature drops automatically.

A timer can even control the temperature in each room depending on use and time.



**FUTH65D/230V-wg**  
Wireless clock thermometer and hygrostat with display



**FTR78S-wg**  
Wireless temperature controller with rotary knob



**FTR65HB-wg**  
Wireless temperature controller with hand wheel



**FTR65DSB-wg**  
Wireless temperature controller with display



**FTR65HS-wg**  
Wireless temperature controller with hand wheel



**FKS-MD15**  
Wireless small actuator for radiators



**FKS-E**  
Wireless small actuator for radiators



**TF-FKS**  
Wireless small actuator SmartDrive



## Home at last and everything's on

You turn into the drive. The motion detector recognises you and switches the drive lights on. You tap a pushbutton and the garage door opens. The outdoor and garden lights switched on automatically when the sun sets to offer additional security.

The house awakes from day mode when you press a central pushbutton on the front door or you activate it remotely from your smartphone. The consumers, which were switched off to save energy when you left the house, are switched back on when you come home.

Are you trying to open the door and turn the lights on with your hands full of heavy shopping bags? No problem! The motion detector simply takes over control and switches the lights on.



**FMH1W-s2**  
Wireless mini hand-held transmitter



**FBH65S**  
Wireless motion/brightness sensor



**FBH65TFB**  
Wireless motion/brightness sensor  
with temperature and humidity sensor



**FIH65B**  
Wireless indoor brightness sensor



**F4T65**  
Wireless 4-way pushbutton with rocker  
without battery or wire as central  
wireless pushbutton





## Enjoy your evenings after work ...

Choose the right light scenario for every occasion at the press of a button, whether you're enjoying an evening meal, watching TV on the couch or just reading a book.



**FF8-al/anso**  
Wireless remote control



**FFD-al/anso**  
Wireless remote control  
with display



**FSUD-230V**  
Socket universal dimmer switch





## Getting older also means making things more convenient

Various convenience functions are simply integrated in the existing electrical installation.

Wireless sensors detect motion in the room and switch on the necessary lights automatically. They are genuine energy savers at the same time – when you leave the room, the lights switch off by themselves.

In addition, light scenarios create a cosy atmosphere and you can choose one to suit your mood.

### **The house in your pocket**

When you're out of the house, you can call up the image taken from your surveillance camera, e.g. the camera in the front door intercom.

I'll just take a look ... It's so simple by smartphone or tablet when you're not at home.





## Enjoy your retirement ... while you're on holiday or at home

Timers make sure that your home looks occupied even when you're not there. Time or sensor controlled functions switch lights on and off or move roller shutters up and down.

Whether everything is really in order at home is easy to check from a distance – thanks to remote access.





## Elderly people in particular have a greater need for security – the Eltako Wireless Building is AAL ready

The term AAL (ambient assisted living) means providing an environment that is suitable for senior citizens by equipping it with smart technologies. The Eltako Wireless Building supplies flexible sensors and multifunctional actuators to allow assisted living suitable for senior citizens.

The Eltako Wireless Building offers security in a very simple way. Transmitters with no batteries can be mounted anywhere within easy reach. When pressed or pulled, they send a wireless signal which may trigger an LED to indicate a possible emergency call. At the same time, care staff or family members can be notified by text or email.



**FZS65**  
Wireless pull switch



## Save energy, reduce costs, preserve the environment

The Eltako Wireless Building also offers Smart Metering – genuine energy management that ranges from a cost-effective solution for a flat to a professional solution in large buildings.

Monitoring power consumption is an accepted way to increase awareness of energy consumption and realise which consumers drive up costs at particular times of the day. When counter-measures then cut in automatically, e.g. high consumption appliances are only switched on at off peak times, these realisations and efforts take on an ecological and economically aspect.

Consumption figures are captured by the Building Wireless system and displayed on indicators or by software. As user, you can actively intervene to control consumption at any time. This reveals power wasters so that appliances can be switched on or off to save electricity.

Optimising electricity consumption in this way not only makes enormous savings, it also helps preserve the environment at the same time.



**FEA65D-wg**  
Wireless energy consumption  
indicator with display



**DSZ14DRS-3x65A**  
RS485 bus three-phase energy meter



**TouchIV**  
Smart Home control unit





## Centralised Wireless Building installation

In the centralised Wireless Building installation, wireless actuators are fitted centrally in distributor boxes to control individual functions from there. Jumpers enable communication between the devices and supply the power needed.

Wireless pushbuttons and sensors can be fitted wherever they are required, to walls, ceilings, on glass or furniture without having to route additional wiring.

The Wireless Building installation is configured manually or by using the PCT14 software which provides an extensive number of optional settings and is a quick method to teach in devices.





## Decentralised Wireless Building installation

In the decentralised Wireless Building installation, wireless actuators are usually fitted to control individual functions from there. Teach-in is performed manually on each device by means of rotary switches.

Wireless pushbuttons and sensors can be fitted wherever they are required, to walls, ceilings, on glass or furniture.

This is a simple and cost-effective way to implement all Wireless Building applications without the additional need to route wiring and is especially interesting for renovating or refurbishing buildings or to supplement conventional electrical installations.



with EnOcean technology



## Product overview

|                                                                                                                           |    |
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| The remote switch system FTS14 – Modular RS485 bus                                                                        | 29 |
| Wireless actuators for the decentralised Wireless Building installation                                                   | 30 |
| Eltako Powerline                                                                                                          | 35 |
| The blue wireless network in the building MiniSafe, MiniSafe REG, SafeIV, PowerSafeIV, TouchIV and iRoom docking stations | 36 |
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## Series 14 – a new chapter in the centralised installation of wireless actuators

|                                                                                     |                           |                                                                          |                   |                      |
|-------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------|-------------------|----------------------|
|    | <b>FAM14</b>              | Wireless antenna module                                                  | EAN 4010312313695 | <b>102,80 €/pc.</b>  |
|    | <b>FA250</b>              | Wireless antenna with 250cm cable, black                                 | EAN 4010312300244 | <b>21,10 €/pc.</b>   |
|    | <b>FA250-gw</b>           | Wireless antenna with 250cm cable, grey white                            | EAN 4010312317051 | <b>21,10 €/pc.</b>   |
|    | <b>FA200</b>              | High-performance receive antenna with 200cm cable                        | EAN 4010312303306 | <b>68,50 €/pc.</b>   |
|  | <b>FEM</b>                | Wireless receiver antenna module for the RS485 sub-bus                   | EAN 4010312313848 | <b>78,80 €/pc.</b>   |
|  | <b>FEM65-wg</b>           | Wireless receiver antenna module pure white glossy for the RS485 sub-bus | EAN 4010312315934 | <b>83,40 €/pc.</b>   |
|  | <b>FGW14</b>              | RS485 bus gateway                                                        | EAN 4010312313855 | <b>56,60 €/pc.</b>   |
|  | <b>FGW14-USB</b>          | RS485 bus gateway with USB connection                                    | EAN 4010312316054 | <b>56,60 €/pc.</b>   |
|                                                                                     | <b>USB extension cord</b> | USB extension cord                                                       | EAN 4010312907702 | <b>11,00 €/pc.</b>   |
|  | <b>FGSM14</b>             | Wireless GSM module Germany with dataflat for two years                  | EAN 4010312314098 | <b>275,00 €/pc.*</b> |
|                                                                                     | <b>FGSM14E</b>            | Wireless GSM module Export without dataflat                              | EAN 4010312315637 | <b>205,00 €/pc.*</b> |
|                                                                                     | <b>FGSM-Comm</b>          | Data communication packet M2M for the FGSM14E, flat for 2 years          | EAN 4010312316795 | <b>96,00 €/pc.*</b>  |

\* The software part is not discountable.



|                                                                                     |                   |                                                                                |                   |                     |
|-------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------|-------------------|---------------------|
|    | <b>FDG14</b>      | DALI gateway                                                                   | EAN 4010312316085 | <b>87,50 €/pc.</b>  |
|    | <b>FWG14MS</b>    | RS485 bus weather data gateway                                                 | EAN 4010312316887 | <b>56,60 €/pc.</b>  |
|    | <b>BGW14</b>      | Bus gateway                                                                    | EAN 4010312319062 | <b>56,60 €/pc.</b>  |
|    | <b>FSM14-UC</b>   | Wireless transmitter module                                                    | EAN 4010312316078 | <b>58,00 €/pc.</b>  |
|    | <b>F3Z14D</b>     | RS485 bus wireless meter collector                                             | EAN 4010312501528 | <b>49,90 €/pc.</b>  |
|   | <b>AFZ</b>        | Scanner for each Ferraris meter                                                | EAN 4010312315576 | <b>250,40 €/pc.</b> |
|  | <b>FSDG14</b>     | RS485 bus wireless energy meter data gateway                                   | EAN 4010312316146 | <b>45,10 €/pc.</b>  |
|  | <b>AIR</b>        | IR scanner for energy meters                                                   | EAN 4010312316153 | <b>110,30 €/pc.</b> |
|  | <b>FSR14-4x</b>   | RS485 bus actuator 4-channel impulse switch                                    | EAN 4010312313701 | <b>51,90 €/pc.</b>  |
|  | <b>FSR14-2x</b>   | RS485 bus actuator 2-channel impulse switch                                    | EAN 4010312313718 | <b>53,50 €/pc.</b>  |
|  | <b>F4SR14-LED</b> | RS485 bus actuator 4-channel impulse switch                                    | EAN 4010312317006 | <b>66,50 €/pc.</b>  |
|  | <b>FSR14SSR</b>   | RS485 bus actuator 2-channel impulse switch noiseless                          | EAN 4010312313893 | <b>57,50 €/pc.</b>  |
|  | <b>FMS14</b>      | RS485 bus actuator multifunction impulse switch with integrated relay function | EAN 4010312313725 | <b>42,20 €/pc.</b>  |
|  | <b>FSB14</b>      | RS485 bus actuator for shading elements and roller shutters                    | EAN 4010312313732 | <b>53,20 €/pc.</b>  |

|                                                                                     |                     |                                                                                  |                   |                    |
|-------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------|-------------------|--------------------|
|    | <b>FUD14</b>        | RS485 bus actuator universal dimmer switch                                       | EAN 4010312313749 | <b>61,00 €/pc.</b> |
|    | <b>FUD14/800W</b>   | RS485 bus actuator universal dimmer switch                                       | EAN 4010312313756 | <b>87,50 €/pc.</b> |
|    | <b>FLUD14</b>       | Capacity enhancer for universal dimmer switch                                    | EAN 4010312313763 | <b>62,20 €/pc.</b> |
|    | <b>FSG14/1-10V</b>  | RS485 bus actuator dimmer switch controller for electronic ballast 1-10V         | EAN 4010312313770 | <b>57,80 €/pc.</b> |
|    | <b>FMZ14</b>        | RS485 bus actuator multifunction time relay                                      | EAN 4010312313787 | <b>40,60 €/pc.</b> |
|   | <b>FTN14</b>        | RS485 bus actuator staircase lighting time delay switch                          | EAN 4010312313794 | <b>43,70 €/pc.</b> |
|  | <b>FFR14</b>        | RS485 bus actuator mains disconnection relay                                     | EAN 4010312313800 | <b>43,40 €/pc.</b> |
|  | <b>FZK14</b>        | RS485 bus actuator time relay for card switch or smoke alarm                     | EAN 4010312313817 | <b>43,90 €/pc.</b> |
|  | <b>FHK14</b>        | RS485 bus actuator heating/cooling relay                                         | EAN 4010312313824 | <b>43,40 €/pc.</b> |
|  | <b>F4HK14</b>       | RS485 bus actuator heating/cooling relay with 4 channels                         | EAN 4010312314982 | <b>51,90 €/pc.</b> |
|  | <b>F2L14</b>        | RS485 bus actuator 2-speed fan relay, 1+1 NO contacts potential free 10A/250V AC | EAN 4010312316160 | <b>54,90 €/pc.</b> |
|  | <b>FSU14</b>        | RS485 bus display timer                                                          | EAN 4010312313831 | <b>55,70 €/pc.</b> |
|  | <b>FMSR14</b>       | RS485 bus multifunction sensor relay                                             | EAN 4010312314111 | <b>55,70 €/pc.</b> |
|  | <b>FWS61-24V DC</b> | Wireless weather data transmitter module                                         | EAN 4010312301937 | <b>65,10 €/pc.</b> |

|                                                                                     |                           |                                                                                                                  |                   |                     |
|-------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
|    | <b>MS Multisensor</b>     | Multisensor                                                                                                      | EAN 4010312901731 | <b>246,60 €/pc.</b> |
|    | <b>FWZ14-65A</b>          | RS485 bus wireless single-phase energy meter transmitter module, maximum current 65A. Only 0.5 watt standby loss | EAN 4010312501511 | <b>61,10 €/pc.</b>  |
|    | <b>DSZ14DRS-3x80A MID</b> | RS485 bus wireless three-phase energy meter with display, MID approval                                           | EAN 4010312501733 | <b>165,00 €/pc.</b> |
|    | <b>DSZ14WDRS-3x5A MID</b> | RS485 bus wireless three-phase two-way energy meter with display, MID approval                                   | EAN 4010312501450 | <b>172,00 €/pc.</b> |
|    | <b>FRP14</b>              | 1 and 2 level wireless repeater                                                                                  | EAN 4010312313879 | <b>83,10 €/pc.</b>  |
|   | <b>FTD14</b>              | RS485 telegram duplicator                                                                                        | EAN 4010312315705 | <b>84,80 €/pc.</b>  |
|  | <b>FAE14SSR</b>           | RS485 bus actuator single room control, heating/cooling for 2 zones with solid state relay                       | EAN 4010312314173 | <b>59,20 €/St.</b>  |
|  | <b>FAE14LPR</b>           | RS485 bus actuator single room control, heating/cooling for 2 zones                                              | EAN 4010312314234 | <b>51,90 €/pc.</b>  |
|  | <b>TSA02NC-230V</b>       | Actuator NC, 230V                                                                                                | EAN 4010312314425 | <b>25,30 €/pc.</b>  |
|  | <b>TSA02NC-24V</b>        | Actuator NC, 24V                                                                                                 | EAN 4010312314432 | <b>25,30 €/pc.</b>  |
|  | <b>MA14-lr</b>            | Module cover left and right                                                                                      | EAN 4010312314449 | <b>1,00 €/pc.</b>   |
|  | <b>MA14-2m</b>            | Module cover 2 centre pieces                                                                                     | EAN 4010312314456 | <b>1,00 €/pc.</b>   |
|  | <b>STE14</b>              | Power input                                                                                                      | EAN 4010312314029 | <b>18,00 €/pc.</b>  |
|  | <b>SAS-4TE</b>            | Bus bars 4 PU                                                                                                    | EAN 4010312314036 | <b>10,70 €/pc.</b>  |

|                                                                                     |                       |                                                                                                                                                            |                   |                     |
|-------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
|    | <b>SAS-5TE</b>        | Bus bars 5 PU                                                                                                                                              | EAN 4010312314043 | <b>11,00 €/pc.</b>  |
|    | <b>SAS-6TE</b>        | Bus bars 6 PU                                                                                                                                              | EAN 4010312314050 | <b>11,80 €/pc.</b>  |
|    | <b>SAS-7TE</b>        | Bus bars 7 PU                                                                                                                                              | EAN 4010312314067 | <b>12,80 €/pc.</b>  |
|    | <b>SAS-8TE</b>        | Bus bars 8 PU                                                                                                                                              | EAN 4010312315187 | <b>14,00 €/pc.</b>  |
|    | <b>SAS-9TE</b>        | Bus bars 9 PU                                                                                                                                              | EAN 4010312315170 | <b>14,80 €/pc.</b>  |
|   | <b>BBV14</b>          | Bus jumper connector                                                                                                                                       | EAN 4010312315248 | <b>22,40 €/pc.</b>  |
|  | <b>FBA14</b>          | RS485 bus coupler                                                                                                                                          | EAN 4010312313862 | <b>22,40 €/pc.</b>  |
|  | <b>FSNT14-12V/12W</b> | Power supply unit 12V/12W                                                                                                                                  | EAN 4010312315095 | <b>46,90 €/pc.</b>  |
|  | <b>DS14</b>           | Spacer 1/2 module wide = 9mm wide                                                                                                                          | EAN 4010312907016 | <b>1,00 €/pc.</b>   |
|  | <b>GBA14</b>          | Housing for operating instruments, white-blue                                                                                                              | EAN 4010312906422 | <b>2,10 €/pc.</b>   |
|  | <b>FUA12-230V</b>     | Wireless universal actuator with exchangeable antenna. Impulse switch with integrated relay function with 1 change over contact potential free 10A/250V AC | EAN 4010312316955 | <b>111,60 €/pc.</b> |
|  | <b>FAM-USB</b>        | Wireless antenna module for GFVS-Energy                                                                                                                    | EAN 4010312312971 | <b>79,90 €/pc.</b>  |
|  | <b>FSS12-12V DC</b>   | Wireless energy meter transmitter module for connection to S0 interface of many energy meters                                                              | EAN 4010312301944 | <b>87,00 €/pc.</b>  |



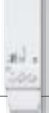
## The remote switch system FTS14 – Modular RS485 bus

|                                                                                     |                     |                                                                                                                                  |                   |                    |
|-------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|
|    | <b>FTS14EM</b>      | Input module for the Eltako RS485 bus                                                                                            | EAN 4010312315071 | <b>56,40 €/pc.</b> |
|    | <b>FTS14KS</b>      | FTS14 communication interface                                                                                                    | EAN 4010312315651 | <b>74,90 €/pc.</b> |
|    | <b>RLC-Glied</b>    | Range extension for FTS14TG                                                                                                      | EAN 4010312907092 | <b>3,80 €/pc.</b>  |
|   | <b>FTS14TG</b>      | Pushbutton gateway for FTS14 systems                                                                                             | EAN 4010312315088 | <b>70,40 €/pc.</b> |
|  | <b>B4FT65-wg</b>    | Bus 4-way flat pushbutton pure white glossy in E-design, only 11mm high                                                          | EAN 4010312315682 | <b>40,90 €/pc.</b> |
|  | <b>B4T65-wg</b>     | Bus 4-way pushbutton pure white glossy in E-design, only 16mm high                                                               | EAN 4010312315675 | <b>40,90 €/pc.</b> |
|  | <b>FTS61BTK</b>     | Bus pushbutton coupler for connection to pushbutton gateways                                                                     | EAN 4010312315668 | <b>40,30 €/pc.</b> |
|  | <b>FTS61BTKL</b>    | Bus pushbutton coupler for feedback LED                                                                                          | EAN 4010312316801 | <b>45,80 €/pc.</b> |
|  | <b>FTS14FA</b>      | Wireless output module for FTS14 systems                                                                                         | EAN 4010312315101 | <b>87,30 €/pc.</b> |
|  | <b>FTS14GBZ</b>     | Gateway for ESB61ZK                                                                                                              | EAN 4010312316399 | <b>77,10 €/pc.</b> |
|  | <b>ESB61ZK-230V</b> | Impulse switch for shading element and roller shutters with central control for low voltage in conjunction with FTS14GBZ gateway | EAN 4010312109588 | <b>55,10 €/pc.</b> |

## Wireless actuators for the decentralised Wireless Building installation

|                                                                                     |                            |                                                                                                                                 |                   |                     |
|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
|    | <b>FSR61NP-230V</b>        | Wireless actuator impulse switch w/ integr. relay function 230V. 1 NO contact not potential free 10A/250V AC.                   | EAN 4010312300190 | <b>80,40 €/pc.</b>  |
|    | <b>FSR61NP-230V+FTK-rw</b> | Wireless actuator impulse switch w/ integr. relay function 230V+FTK-rw. 1 NO contact not potential free 10A/250V AC             | EAN 4010312300916 | <b>155,30 €/pc.</b> |
|    | <b>FSR61/8-24V UC</b>      | Wireless actuator impulse switch w/ integr. relay function 230V. 1 NO contact potential free 10A/250V AC.                       | EAN 4010312301357 | <b>77,00 €/pc.</b>  |
|   | <b>FSR61-230V</b>          | Wireless actuator impulse switch w/ integr. relay function 230V. 1 NO contact potential free 10A/250V AC.                       | EAN 4010312301531 | <b>78,40 €/pc.</b>  |
|  | <b>FSR61G-230V</b>         | Wireless actuator impulse switch with integrated relay function                                                                 | EAN 4010312313886 | <b>81,80 €/pc.</b>  |
|  | <b>FSR61LN-230V</b>        | Wireless actuator impulse switch with integr. relay function 230V ffor bipolar switching of L and N                             | EAN 4010312313190 | <b>80,40 €/pc.</b>  |
|  | <b>FSR61VA-10A</b>         | Wireless actuator impulse switch w/ integr. relay function w/ current measurement. 1 NO contact not potential free 10A/250V AC. | EAN 4010312311462 | <b>81,90 €/pc.</b>  |
|  | <b>FMS61NP-230V</b>        | Wireless actuator Multifunction impulse switch 230V. 1+1 NO contacts not potential free 10A/250V AC                             | EAN 4010312300268 | <b>82,40 €/pc.</b>  |
|  | <b>FLC61NP-230V</b>        | Wireless actuator light controller 230V                                                                                         | EAN 4010312312032 | <b>81,80 €/pc.</b>  |
|  | <b>FUD61NP-230V</b>        | Wireless actuator Universal dimmer switch without N, 230V. Power MOSFET 300W.                                                   | EAN 4010312300183 | <b>96,10 €/pc.</b>  |
|  | <b>FUD61NPN-230V</b>       | Wireless actuator Universal dimmer switch 230V. Power MOSFET 300W.                                                              | EAN 4010312300299 | <b>99,90 €/pc.</b>  |
|  | <b>FKLD61</b>              | Wireless actuator constant current LED dimmer switch                                                                            | EAN 4010312314357 | <b>100,00 €/pc.</b> |

|                                                                                     |                               |                                                                                                                                |                   |                     |
|-------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
|    | <b>FLD61</b>                  | Wireless actuator PWM LED dimmer switch                                                                                        | EAN 4010312315255 | <b>94,40 €/pc.</b>  |
|    | <b>FSB61-230V</b>             | Wireless actuator Without N connection for shading elements and roller shutters 230V. 1+1 NO contact not potential free 4A     | EAN 4010312317235 | <b>86,80 €/pc.</b>  |
|    | <b>FSB61NP-230V</b>           | Wireless actuator for shading elements and roller shutters 230V. 1+1 NO contact not potential free 4A/250V AC.                 | EAN 4010312300213 | <b>86,80 €/pc.</b>  |
|    | <b>FTN61NP-230V</b>           | Wireless actuator Staircase off-delay timer 230V. 1 NO contact not potential free 10A/250V AC.                                 | EAN 4010312300206 | <b>80,80 €/pc.</b>  |
|    | <b>FMZ61-230V</b>             | Wireless actuator Multifunction time relay 230V. 1 NO contact potential free 10A/250V AC, incandescent lamps up to 2000 watts. | EAN 4010312302293 | <b>77,70 €/pc.</b>  |
|   | <b>FHK61-230V</b>             | Wireless actuator Heating/cooling relay 230V. 1 NO contact potential free 10A/250V AC.                                         | EAN 4010312302309 | <b>82,10 €/pc.</b>  |
|  | <b>FHK61U-230V</b>            | Wireless actuator heating relay                                                                                                | EAN 4010312315118 | <b>81,80 €/pc.</b>  |
|  | <b>FHK61SSR-230V</b>          | Wireless actuator heating/cooling relay with solid state relay                                                                 | EAN 4010312314906 | <b>85,50 €/pc.</b>  |
|  | <b>FFR61-230V</b>             | Wireless actuator 230V. 1+1 NO contacts not potential free 10A/250V AC, incandescent lamps up to 2000 watts                    | EAN 4010312303221 | <b>86,00 €/pc.</b>  |
|  | <b>FZK61NP-230V</b>           | Wireless actuator time relay for card switch or smoke alarm 230V. 1+1 NO contacts not potential free 10A/250V AC               | EAN 4010312304273 | <b>81,10 €/pc.</b>  |
|  | <b>FSM61-UC</b>               | Funk-2-fach-Sendemodul                                                                                                         | EAN 4010312300152 | <b>57,70 €/pc.</b>  |
|  | <b>FWS61-24V DC</b>           | Wireless 2-fold transmitter module                                                                                             | EAN 4010312301937 | <b>65,10 €/pc.</b>  |
|  | <b>MS Multisensor</b>         | Multisensor                                                                                                                    | EAN 4010312901731 | <b>246,60 €/pc.</b> |
|  | <b>SNT61-230V/24VDC-0,25A</b> | Power supply unit 230V/24V DC-0,25A                                                                                            | EAN 4010312301326 | <b>45,00 €/pc.</b>  |

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|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------|-------------------|---------------------|
|    | <b>FSR71NP-230V</b>      | Wireless actuator impulse switch with integr. relay function                  | EAN 4010312316221 | <b>81,90 €/pc.</b>  |
|    | <b>FSR71NP-2x-230V</b>   | Wireless actuator 2 channel impulse switch with integr. relay function        | EAN 4010312316245 | <b>113,40 €/pc.</b> |
|    | <b>FSR71-2x-230V</b>     | Wireless actuator 2 channel impulse switch with integr. relay function        | EAN 4010312316252 | <b>112,00 €/pc.</b> |
|    | <b>FSR71NP-4x-230V</b>   | Wireless actuator 4 channel impulse switch with integr. relay function        | EAN 4010312316269 | <b>112,00 €/pc.</b> |
|    | <b>FSB71-230V</b>        | Wireless actuator for shading elements and roller shutters                    | EAN 4010312316306 | <b>90,00 €/pc.</b>  |
|   | <b>FSB71-2x-230V</b>     | Wireless actuator for shading elements and roller shutters with 2 channels    | EAN 4010312316290 | <b>112,70 €/pc.</b> |
|  | <b>FSB71-24V DC</b>      | Wireless actuator for shading elements and roller shutters                    | EAN 4010312316962 | <b>114,70 €/pc.</b> |
|  | <b>FUD71-230V</b>        | Wireless actuator Universal dimmer switch 230V. Power MOSFET 400W.            | EAN 4010312316207 | <b>113,90 €/pc.</b> |
|  | <b>FUD71L/1200W-230V</b> | Wireless actuator Universal dimmer switch 230V. Power MOSFET up to 1200W.     | EAN 4010312316412 | <b>143,50 €/pc.</b> |
|  | <b>FSG71/1-10V</b>       | Wireless actuator Dimmer switch controller for electronic ballast units 1-10V | EAN 4010312316283 | <b>105,50 €/pc.</b> |
|  | <b>FDG71L-230V</b>       | Wireless DALI gateway                                                         | EAN 4010312317556 | <b>128,60 €/pc.</b> |
|  | <b>FRGBW71L</b>          | Wireless actuator PWM Dimmer Switch for LED                                   | EAN 4010312316450 | <b>143,50 €/pc.</b> |
|  | <b>FWWKW71L</b>          | Wireless actuator PWM Dimmer Switch for LED                                   | EAN 4010312318928 | <b>143,50 €/pc.</b> |
|  | <b>DAT71</b>             | Data transformer to configure Series 71                                       | EAN 4010312316351 | <b>68,70 €/pc.</b>  |



|                                                                                     |                       |                                                                                                                                         |                   |                     |
|-------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
|    | <b>FSR70S-230V-rw</b> | Wireless actuator impulse switch w/ integr. relay function 230V as cord switch, pure white. 1 NO contact not potential free 10A/250V AC | EAN 4010312301487 | <b>84,40 €/pc.</b>  |
|    | <b>FUD70S-230V-rw</b> | Wireless actuator universal dimmer switch as cord switch, pure white. Power MOSFET 400W                                                 | EAN 4010312301395 | <b>102,80 €/pc.</b> |
|    | <b>FSSA-230V</b>      | Wireless actuator socket switching actuator                                                                                             | EAN 4010312314562 | <b>99,10 €/pc.</b>  |
|    | <b>FSVA-230V-10A</b>  | Wireless actuator socket switching actuator with current measurement                                                                    | EAN 4010312314555 | <b>105,90 €/pc.</b> |
|    | <b>FSUD-230V</b>      | Wireless actuator socket universal dimmer switch                                                                                        | EAN 4010312314791 | <b>122,10 €/pc.</b> |
|   | <b>FSHA-230V</b>      | Wireless actuator socket heating actuator. 1 NO contact not potential free 10A/250V AC                                                  | EAN 4010312318997 | <b>99,10 €/pc.</b>  |
|  | <b>FGM</b>            | Wireless actuator wireless module for fitting in the 3xAA battery compartment                                                           | EAN 4010312303290 | <b>65,30 €/pc.</b>  |
|  | <b>FAS260SA</b>       | Wireless outdoor siren 26x20x7cm with solar cell and lithium-polymer battery, white                                                     | EAN 4010312320075 | <b>116,60 €/pc.</b> |
|  | <b>FTA65D-wg</b>      | Wireless pushbutton actuator dimming, pure white glossy                                                                                 | EAN 4010312319185 | <b>74,80 €/pc.</b>  |
|  | <b>FTA65DL-wg</b>     | Wireless pushbutton actuator dimming without N connection, pure white glossy                                                            | EAN 4010312319192 | <b>74,80 €/pc.</b>  |
|  | <b>FTA65J-wg</b>      | Wireless pushbutton actuator shading, pure white glossy                                                                                 | EAN 4010312319208 | <b>68,20 €/pc.</b>  |
|  | <b>FTA65L-wg</b>      | Wireless pushbutton actuator light switch, pure white glossy                                                                            | EAN 4010312319215 | <b>67,50 €/pc.</b>  |
|  | <b>FFTA65D-wg</b>     | Wireless flat pushbutton actuator dimming, pure white glossy                                                                            | EAN 4010312319260 | <b>79,80 €/pc.</b>  |
|  | <b>FFTA65DL-wg</b>    | Wireless flat pushbutton actuator dimming without N connection, pure white glossy                                                       | EAN 4010312319277 | <b>79,80 €/pc.</b>  |

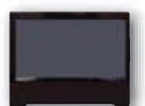
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|   | <b>FFTA65J-wg</b> | Wireless flat pushbutton actuator shading, pure white glossy                      | EAN 4010312319284 | <b>68,80 €/pc.</b> |
|   | <b>FFTA65L-wg</b> | Wireless flat pushbutton actuator light switch, pure white glossy                 | EAN 4010312319291 | <b>69,80 €/pc.</b> |
|   | <b>FTA55D-wg</b>  | Wireless flat pushbutton actuator dimming, pure white glossy                      | EAN 4010312319222 | <b>74,80 €/pc.</b> |
|   | <b>FTA55DL-wg</b> | Wireless flat pushbutton actuator dimming without N connection, pure white glossy | EAN 4010312319239 | <b>74,80 €/pc.</b> |
|   | <b>FTA55J-wg</b>  | Wireless flat pushbutton actuator shading, pure white glossy                      | EAN 4010312319246 | <b>68,20 €/pc.</b> |
|  | <b>FTA55L-wg</b>  | Wireless flat pushbutton actuator light switch, pure white glossy                 | EAN 4010312319253 | <b>67,50 €/pc.</b> |



## Eltako Powerline

|                                                                                     |                   |                                                                                 |                   |                     |
|-------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------|-------------------|---------------------|
|    | <b>FPLG14</b>     | Wireless Powerline gateway                                                      | EAN 4010312316771 | <b>91,60 €/pc.</b>  |
|    | <b>FPLT14</b>     | Wireless powerline tunnel gateway                                               | EAN 4010312317723 | <b>91,60 €/pc.</b>  |
|    | <b>PL-FTGW</b>    | Powerline pushbutton gateway                                                    | EAN 4010312316986 | <b>166,40 €/pc.</b> |
|    | <b>PL-SAM1L</b>   | Decentralised actuator with sensor input                                        | EAN 4010312316665 | <b>103,70 €/pc.</b> |
|   | <b>PL-SAM2L</b>   | Decentralised actuator with sensor inputs                                       | EAN 4010312316672 | <b>105,40 €/pc.</b> |
|  | <b>PL-SAM2</b>    | Venetian blind actuator with sensor inputs                                      | EAN 4010312316689 | <b>105,40 €/pc.</b> |
|  | <b>PL-SAMDU</b>   | Decentralised universal dimmer actuator with sensor input                       | EAN 4010312316870 | <b>119,60 €/pc.</b> |
|  | <b>PL-AMD10V</b>  | Decentralised dimmer actuator 1-10 Volt                                         | EAN 4010312316726 | <b>105,40 €/pc.</b> |
|  | <b>PL-SAM1LT</b>  | Decentralised TLZ actuator with sensor input                                    | EAN 4010312316702 | <b>105,40 €/pc.</b> |
|  | <b>PL-SM1L</b>    | Decentralised sensor input 230V                                                 | EAN 4010312316740 | <b>99,90 €/pc.</b>  |
|  | <b>PL-SM8</b>     | Decentralised 8-channel sensor input                                            | EAN 4010312316719 | <b>105,40 €/pc.</b> |
|  | <b>PL-SAMTEMP</b> | Temperature controller for heating and cooling                                  | EAN 4010312316733 | <b>198,90 €/pc.</b> |
|  | <b>PL-SW-PROF</b> | Coupling element for installation and configuration of the powerline devices PL | EAN 4010312316856 | <b>333,40 €/pc.</b> |

## The blue wireless network in the building with MiniSafe, MiniSafe REG, SafeIV, PowerSafeIV, TouchIV and iRoom docking stations

|                                                                                     |                       |                                                                                          |                   |                      |
|-------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------|-------------------|----------------------|
|    | <b>SafeIV-rw</b>      | Smart Home control unit pure white w/ LAN and if need be GSM communication, 199x180x39mm | EAN 4010312318287 | <b>999,00 €/pc.</b>  |
|    | <b>SafeIV-sz</b>      | Smart Home control unit black w/ LAN and if need be GSM communication, 199x180x39mm      | EAN 4010312318805 | <b>999,00 €/pc.</b>  |
|                                                                                     | <b>GSM-Modem</b>      | GSM modem upgrade                                                                        | EAN 4010312318836 | <b>150,00 €/pc.</b>  |
|   | <b>PowerSafeIV-rw</b> | Smart Home control unit with LAN and if need be GSM communication, pure white            | EAN 4010312318294 | <b>1999,00 €/pc.</b> |
|  | <b>PowerSafeIV-sz</b> | Smart Home control unit with LAN and if need be GSM communication, black                 | EAN 4010312319451 | <b>1999,00 €/pc.</b> |
|  | <b>FGSM14</b>         | Wireless GSM module Germany with dataflat for two years                                  | EAN 4010312314098 | <b>275,00 €/pc.*</b> |
|                                                                                     | <b>FGSM14E</b>        | Wireless GSM module Export without dataflat                                              | EAN 4010312315637 | <b>205,00 €/pc.*</b> |
|                                                                                     | <b>FGSM-Comm</b>      | Data communication packet M2M for the FGSM14E, flat for 2 years                          | EAN 4010312316795 | <b>96,00 €/pc.*</b>  |
|                                                                                     | <b>GFVS-Client-5</b>  | Client license. 5 additional clients are activated                                       | EAN 4010312316016 | <b>149,90 €/pc.</b>  |
|                                                                                     | <b>GFVS-Comm</b>      | Communication packet for SafeIV and PowerSafeIV with GSM modem                           | EAN 4010312314265 | <b>398,00 €/pc.</b>  |
|  | <b>TouchIV-wg</b>     | The Smart Home control unit pure white glossy. Switch on, configure and use!             | EAN 4010312318829 | <b>999,00 €/pc.</b>  |
|  | <b>TouchIV-sz</b>     | The Smart Home control unit black. Switch on, configure and use!                         | EAN 4010312318812 | <b>999,00 €/pc.</b>  |

\* The software part is not discountable.



|                                                                                                                  |                             |                                                 |                   |                     |
|------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------|-------------------|---------------------|
|                                                                                                                  | <b>VESA mount</b>           | For mounting TouchIV on the wall                | EAN 4010312312629 | <b>31,90 €/pc.</b>  |
|                                 | <b>MiniSafe</b>             | Smart Home control unit                         | EAN 4010312319079 | <b>297,00 €/pc.</b> |
|                                 | <b>MiniSafe REG</b>         | Smart Home control unit for DIN rail mounting   | EAN 4010312319017 | <b>308,80 €/pc.</b> |
|                                 | <b>FA250</b>                | Wireless antenna with 250cm cable, black        | EAN 4010312300244 | <b>21,10 €/pc.</b>  |
|                                 | <b>FA250-gw</b>             | Wireless antenna with 250cm cable, grey white   | EAN 4010312317051 | <b>21,10 €/pc.</b>  |
|                                                                                                                  | <b>HDR-30-5</b>             | Power supply unit 5V/15W for MiniSafe REG, 2 PU | EAN 4010312318874 | <b>42,10 €/pc.</b>  |
|                               | <b>EAP165</b>               | IP gateway for Safe and Touch with GFVS         | EAN 4010312319130 | <b>299,80 €/pc.</b> |
|                               | <b>fixDock-iPad5-w-HV</b>   | Docking station with charging function, white   | EAN 4010312319499 | <b>429,50 €/St.</b> |
|                               | <b>fixDock-iPad5-b-HV</b>   | Docking station with charging function, black   | EAN 4010312319482 | <b>429,50 €/pc.</b> |
|                               | <b>fixDock-Mini4-w-HV</b>   | Docking station with charging function, white   | EAN 4010312319512 | <b>409,00 €/pc.</b> |
|                               | <b>fixDock-Mini4-b-HV</b>   | Docking station with charging function, black   | EAN 4010312319505 | <b>409,00 €/pc.</b> |
|                               | <b>surDock-iPad-5-w</b>     | Docking station with charging function, white   | EAN 4010312320150 | <b>479,00 €/pc.</b> |
|                               | <b>surDock-iPad-5-b</b>     | Docking station with charging function, black   | EAN 4010312320150 | <b>479,00 €/pc.</b> |
|  | <b>surDock-iPad-10,5"-w</b> | Docking station with charging function, white   | EAN 4010312320174 | <b>499,00 €/pc.</b> |

|                                                                                     |                             |                                                         |                   |                      |
|-------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------|-------------------|----------------------|
|    | <b>surDock-iPad-10,5"-b</b> | Docking station with charging function, black           | EAN 4010312320181 | <b>499,00 €/pc.</b>  |
|    | <b>surDock-iPad-mini-w</b>  | Docking station with charging function, white           | EAN 4010312320198 | <b>416,00 €/pc.</b>  |
|    | <b>surDock-iPad-mini-b</b>  | Docking station with charging function, black           | EAN 4010312320204 | <b>416,00 €/pc.</b>  |
|    | <b>LWA-5</b>                | Docking station with charging function and motor, white | EAN 4010312319550 | <b>899,00 €/pc.</b>  |
|    | <b>LBA-5</b>                | Docking station with charging function and motor, black | EAN 4010312319543 | <b>899,00 €/pc.</b>  |
|   | <b>LWG-5</b>                | Docking station with charging function and motor, white | EAN 4010312319574 | <b>999,00 €/pc.</b>  |
|  | <b>LBG-5</b>                | Docking station with charging function and motor, black | EAN 4010312319567 | <b>999,00 €/pc.</b>  |
|  | <b>LWG-Code-5</b>           | Docking station with charging function and motor, white | EAN 4010312319598 | <b>1199,00 €/pc.</b> |
|  | <b>LBG-Code-5</b>           | Docking station with charging function and motor, black | EAN 4010312319581 | <b>1199,00 €/pc.</b> |
|  | <b>miniDock4-w-mV</b>       | Docking station with charging function and motor, white | EAN 4010312319536 | <b>747,20 €/pc.</b>  |
|  | <b>miniDock4-b-mV</b>       | Docking station with charging function and motor, black | EAN 4010312319529 | <b>747,20 €/pc.</b>  |
|  | <b>iBezel-5-w</b>           | Docking station with charging function and motor, white | EAN 4010312319611 | <b>1299,00 €/pc.</b> |
|  | <b>iBezel-5-b</b>           | Docking station with charging function and motor, black | EAN 4010312319604 | <b>1299,00 €/pc.</b> |
|  | <b>iTop-Pro-w</b>           | Desktop docking station with charging function, white   | EAN 4010312319635 | <b>899,00 €/pc.</b>  |

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|-------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------|-------------------|---------------------|
|    | <b>iTop-Pro-b</b>  | Desktop docking station with charging function, black                                     | EAN 4010312319628 | <b>899,00 €/pc.</b> |
|    | <b>iTop-Plus-w</b> | Desktop docking station with charging function, white                                     | EAN 4010312319659 | <b>999,00 €/pc.</b> |
|    | <b>iTop-Plus-b</b> | Desktop docking station with charging function, black                                     | EAN 4010312319642 | <b>999,00 €/pc.</b> |
|    | <b>BB-B</b>        | Flush-mounted box for all iDock models, vertical or horizontal                            | EAN 4010312319666 | <b>81,00 €/pc.</b>  |
|    | <b>BB-LAB</b>      | Flush-mounted box for all iDock models with glass or aluminium fronts, horizontal, black  | EAN 4010312319673 | <b>173,20 €/pc.</b> |
|   | <b>BB-LAS</b>      | Flush-mounted box for all iDock models with glass or aluminium fronts, horizontal, silver | EAN 4010312319772 | <b>173,20 €/pc.</b> |
|  | <b>BB-Mini</b>     | miniDock flush-mounted box, silver                                                        | EAN 4010312319680 | <b>111,70 €/pc.</b> |
|  | <b>BB-Mini-AB</b>  | miniDock flush-mounted box, black                                                         | EAN 4010312319697 | <b>142,50 €/pc.</b> |

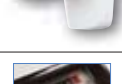
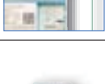


## Active wireless sensors

|                                                                                     |                       |                                                                                  |                   |                     |
|-------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------|-------------------|---------------------|
|    | <b>FABH65S-wg</b>     | Wireless outdoor motion/brightness sensor with solar cell, pure white glossy     | EAN 4010312315798 | <b>137,70 €/pc.</b> |
|    | <b>FAC65D-wg</b>      | Wireless alarm controller with display, pure white glossy                        | EAN 4010312319727 | <b>95,20 €/pc.</b>  |
|    | <b>FAH65S-wg</b>      | Wireless sensor outdoor brightness sensor with solar cell, pure white glossy     | EAN 4010312315828 | <b>107,40 €/pc.</b> |
|   | <b>FBH65B-wg</b>      | Wireless motion sensor, pure white glossy                                        | EAN 4010312317570 | <b>86,90 €/pc.</b>  |
|  | <b>FBH65B-wg</b>      | Wireless motion/brightness sensor, pure white glossy                             | EAN 4010312315767 | <b>123,10 €/pc.</b> |
|  | <b>FBH65SB-wg</b>     | Wireless motion/brightness sensor with solar cell and battery, pure white glossy | EAN 4010312317914 | <b>96,60 €/pc.</b>  |
|  | <b>FBH65S-wg</b>      | Wireless motion/brightness sensor with solar cell, pure white glossy             | EAN 4010312315781 | <b>133,30 €/pc.</b> |
|  | <b>FBH65TFB-wg</b>    | Wireless motion/brightness sensor, pure white glossy                             | EAN 4010312315774 | <b>149,80 €/pc.</b> |
|  | <b>FCO2TF65-wg</b>    | Wireless CO <sub>2</sub> sensor with signal, pure white glossy                   | EAN 4010312315880 | <b>272,40 €/pc.</b> |
|  | <b>FEA65D-wg</b>      | Wireless energy consumption indicator with display, pure white glossy            | EAN 4010312315903 | <b>94,50 €/pc.</b>  |
|  | <b>FFC65D/230V-wg</b> | Wireless window controller with display, pure white glossy                       | EAN 4010312317877 | <b>95,20 €/pc.</b>  |
|  | <b>FFT65B-wg</b>      | Wireless humidity temperature sensor, pure white glossy                          | EAN 4010312317587 | <b>73,10 €/pc.</b>  |

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|    | <b>FIFT65S-wg</b>      | Wireless sensor indoor humidity temperature sensor with solar cell, pure white glossy         | EAN 4010312315835 | <b>114,80 €/pc.</b> |
|    | <b>FIH65B-wg</b>       | Wireless indoor brightness sensor, pure white glossy                                          | EAN 4010312315804 | <b>101,70 €/pc.</b> |
|    | <b>FIH65S-wg</b>       | Wireless sensor brightness sensor with solar cell, pure white glossy                          | EAN 4010312315811 | <b>94,40 €/pc.</b>  |
|    | <b>FSU65D/230V-wg</b>  | Wireless timer with display, pure white glossy                                                | EAN 4010312317709 | <b>99,20 €/pc.</b>  |
|    | <b>FTF65S-wg</b>       | Wireless temperature sensor with solar cell, pure white glossy                                | EAN 4010312315873 | <b>104,50 €/pc.</b> |
|    | <b>FTR65DSB-wg</b>     | Wireless sensor temperature controller with display, solar cell and battery pure white glossy | EAN 4010312319338 | <b>99,80 €/pc.</b>  |
|  | <b>FTR65HB-wg</b>      | Wireless temperature controller, pure white glossy                                            | EAN 4010312317594 | <b>77,90 €/pc.</b>  |
|  | <b>FTR65SB-wg</b>      | Wireless temperature controller with solar cell and battery, pure white glossy                | EAN 4010312319178 | <b>91,80 €/pc.</b>  |
|  | <b>FTR65HS-wg</b>      | Wireless sensor temperature controller with hand wheel and solar cell, pure white glossy      | EAN 4010312315859 | <b>105,20 €/pc.</b> |
|  | <b>FUTH65D/230V-wg</b> | Wireless thermo clock/hygrostat with display, pure white glossy                               | EAN 4010312317693 | <b>99,80 €/pc.</b>  |
|  | <b>FWA65D-wg</b>       | Wireless sensor weather data display, pure white glossy                                       | EAN 4010312315750 | <b>102,20 €/pc.</b> |
|  | <b>FBHF65SB-wg</b>     | Wireless motion/brightness sensor with solar cell and battery, pure white glossy              | EAN 4010312318591 | <b>85,90 €/pc.</b>  |
|  | <b>FFT65B-wg</b>       | Wireless humidity temperature sensor, pure white glossy                                       | EAN 4010312318607 | <b>73,10 €/pc.</b>  |
|  | <b>FTRF65HB-wg</b>     | Wireless temperature controller with battery, pure white glossy                               | EAN 4010312318973 | <b>75,20 €/pc.</b>  |



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|-------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------|-------------------|---------------------|
|    | <b>FTRF65SB-wg</b>     | Wireless temperature controller with solar cells and battery, pure white glossy                 | EAN 4010312318614 | <b>83,30 €/pc.</b>  |
|    | <b>FAC55D-wg</b>       | Wireless alarm controller with display, pure white glossy                                       | EAN 4010312319710 | <b>95,20 €/pc.</b>  |
|    | <b>FBH55SB-wg</b>      | Wireless motion/brightness sensor with solar cells and battery, pure white glossy               | EAN 4010312318355 | <b>96,60 €/pc.</b>  |
|    | <b>FSU55D/230V-wg</b>  | Wireless sensor timer with display, pure white glossy                                           | EAN 4010312318010 | <b>94,70 €/pc.</b>  |
|    | <b>FTR55DSB-wg</b>     | Wireless sensor temperature controller with display, solar cells and battery, pure white glossy | EAN 4010312319345 | <b>99,80 €/pc</b>   |
|   | <b>FTR55HB-wg</b>      | Wireless temperature controller, pure white glossy                                              | EAN 4010312317921 | <b>80,10 €/pc.</b>  |
|  | <b>FUTH55D/230V-wg</b> | Wireless sensor thermo clock/hygrostat with display, pure white glossy                          | EAN 4010312318003 | <b>99,80 €/pc.</b>  |
|  | <b>FTR86B-ws</b>       | Wireless temperature controller, white                                                          | EAN 4010312318423 | <b>93,10 €/pc.</b>  |
|  | <b>FTR78S-wg</b>       | Wireless sensor temperature controller with solar cell, pure white glossy                       | EAN 4010312316030 | <b>126,30 €/pc.</b> |
|  | <b>FABH130/230V-rw</b> | Wireless outdoor motion/brightness sensor, pure white                                           | EAN 4010312317617 | <b>123,30 €/pc.</b> |
|  | <b>AFZ</b>             | Scanner for each Ferraris meter                                                                 | EAN 4010312315576 | <b>250,40 €/pc.</b> |
|  | <b>AIR</b>             | IR scanner for energy meters                                                                    | EAN 4010312316153 | <b>110,30 €/pc.</b> |
|  | <b>FAFT60</b>          | Wireless outdoor humidity temperature sensor 60x46mm, 30mm deep                                 | EAN 4010312310120 | <b>115,90 €/pc.</b> |
|  | <b>FAH60</b>           | Wireless outdoor brightness twilight sensor 60x46mm, 30mm deep                                  | EAN 4010312305218 | <b>98,70 €/pc.</b>  |

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|    | <b>FAH60B</b>         | Wireless sensor outdoor brightness twilight sensor                         | EAN 4010312316429 | <b>98,70 €/pc.</b>  |
|    | <b>FRW-ws</b>         | Wireless sensor smoke alarm                                                | EAN 4010312312308 | <b>102,20 €/pc.</b> |
|    | <b>FWS60</b>          | Water sensor to the FSM60B                                                 | EAN 4010312316108 | <b>23,60 €/pc.</b>  |
|    | <b>FSM60B</b>         | Wireless transmitter module with battery for water sensors and pushbuttons | EAN 4010312316092 | <b>90,60 €/pc.</b>  |
|    | <b>FWS81</b>          | Wireless water sensor                                                      | EAN 4010312316061 | <b>111,30 €/pc.</b> |
|   | <b>FKS-MD15</b>       | Small actuator, controlled by thermo clock/hygrostat FUTH65D               | EAN 4010312311103 | <b>128,70 €/pc.</b> |
|  | <b>FKS-E</b>          | Small actuator, controlled by thermo clock/hygrostat FUTH65D               | EAN 4010312316047 | <b>122,20 €/pc.</b> |
|  | <b>TF-FKS</b>         | Tap-radio® small actuator                                                  | EAN 4010312317389 | <b>136,50 €/pc.</b> |
|  | <b>FKS-SV</b>         | Small actuator Smart Valve                                                 | EAN 4010312319857 | <b>130,70 €/pc.</b> |
|  | <b>MS Multisensor</b> | Multisensor                                                                | EAN 4010312901731 | <b>246,60 €/pc.</b> |
|  | <b>FTFB-wg</b>        | Wireless-temperature+humidity sensor, pure white glossy                    | EAN 4010312319147 | <b>68,70 €/pc.</b>  |



## Passive wireless sensors

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|-------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------|-------------------|--------------------|
|    | <b>F2T65-wg</b>      | Wireless 2-way pushbutton in E-Design pure white glossy, without battery or wire. With rocker | EAN 4010312319321 | <b>39,80 €/pc.</b> |
|    | <b>F4T65-wg</b>      | Wireless 4-way pushbutton without battery or wire, pure white glossy, with double rocker      | EAN 4010312315965 | <b>39,80 €/pc.</b> |
|    | <b>F4T65B-wg</b>     | Wireless 4-way pushbutton without wire, pure white glossy, with rocker                        | EAN 4010312315972 | <b>54,90 €/pc.</b> |
|   | <b>F6T65B-wg</b>     | Wireless pushbutton in E-Design                                                               | EAN 4010312318584 | <b>68,40 €/pc.</b> |
|  | <b>F6T65B-Keypad</b> | Wireless 6-way pushbutton as keypad, laser engraved with battery, pure white glossy           | EAN 4010312319123 | <b>74,90 €/pc.</b> |
|  | <b>F2ZT65-wg</b>     | Wireless 2-way central control pushbutton, pure white glossy                                  | EAN 4010312318751 | <b>45,60 €/pc.</b> |
|  | <b>FDT65B-wg</b>     | Wireless rotary switch in E-Design, pure white glossy                                         | EAN 4010312317273 | <b>61,70 €/pc.</b> |
|  | <b>FTA65D-wg</b>     | Wireless pushbutton actuator dimming, pure white glossy                                       | EAN 4010312319185 | <b>74,80 €/pc.</b> |
|  | <b>FTA65DL-wg</b>    | Wireless pushbutton actuator dimmer without N connection, pure white glossy                   | EAN 4010312319192 | <b>74,80 €/pc.</b> |
|  | <b>FTA65J-wg</b>     | Wireless pushbutton actuator shading, pure white glossy                                       | EAN 4010312319208 | <b>68,20 €/pc.</b> |
|  | <b>FTA65L-wg</b>     | Wireless pushbutton actuator light switch, pure white glossy                                  | EAN 4010312319215 | <b>67,50 €/pc.</b> |
|  | <b>FKF65-wg</b>      | Wireless sensor key card switch, pure white glossy                                            | EAN 4010312316115 | <b>51,60 €/pc.</b> |

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|    | <b>FZS65-wg</b>    | Wireless sensor pull switch, pure white glossy                                      | EAN 4010312316139 | <b>65,90 €/pc.</b> |
|    | <b>FIW65-wg</b>    | Wireless sensor infrared converter, pure white glossy                               | EAN 4010312315941 | <b>96,90 €/pc.</b> |
|    | <b>B4T65-wg</b>    | Bus 4-way pushbutton in E-design. With rocker and double rocker, pure white glossy  | EAN 4010312315675 | <b>40,90 €/pc.</b> |
|    | <b>WS65-wg</b>     | Rocker switch, pure white glossy                                                    | EAN 4010312317341 | <b>12,20 €/pc.</b> |
|    | <b>WT65-wg</b>     | Rocker pushbutton, pure white glossy                                                | EAN 4010312317334 | <b>12,20 €/pc.</b> |
|   | <b>F2FZT65B-wg</b> | Wireless 2-way central control pushbutton, pure white glossy                        | EAN 4010312318775 | <b>45,60 €/pc.</b> |
|  | <b>F1FT65-wg</b>   | Wireless 1-way flat pushbutton with energy generator, pure white glossy             | EAN 4010312315958 | <b>37,90 €/pc.</b> |
|  | <b>F2FT65-wg</b>   | Wireless 2-way flat pushbutton with energy generator, pure white glossy             | EAN 4010312319307 | <b>39,80 €/pc.</b> |
|  | <b>F2FT65B-wg</b>  | Wireless 2-way flat pushbutton, pure white glossy                                   | EAN 4010312319314 | <b>53,60 €/pc.</b> |
|  | <b>F4FT65-wg</b>   | Wireless 4-way flat pushbutton with energy generator. With rocker and double rocker | EAN 4010312318485 | <b>39,80 €/pc.</b> |
|  | <b>F4FT65B-wg</b>  | Wireless 4-way flat pushbutton. With rocker and double rocker, pure white glossy    | EAN 4010312315989 | <b>53,60 €/pc.</b> |
|  | <b>FDTF65B-wg</b>  | Wireless 1-way rotary switch flat, pure white glossy                                | EAN 4010312318843 | <b>61,70 €/pc.</b> |
|  | <b>FFTA65D-wg</b>  | Wireless flat pushbutton actuator dimming, pure white glossy                        | EAN 4010312319260 | <b>79,80 €/pc.</b> |
|  | <b>FFTA65DL-wg</b> | Wireless flat pushbutton actuator dimmer without N connection, pure white glossy    | EAN 4010312319277 | <b>79,80 €/pc.</b> |

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|    | <b>FFTA65J-wg</b> | Wireless flat pushbutton actuator shading, pure white glossy                                                             | EAN 4010312319284 | <b>68,80 €/pc.</b> |
|                                                                                     | <b>FFTA65L-wg</b> | Wireless flat pushbutton actuator light switch, pure white glossy                                                        | EAN 4010312319291 | <b>69,80 €/pc.</b> |
|    | <b>B4FT65-wg</b>  | Bus 4-way flat pushbutton. With rocker and double rocker, pure white glossy                                              | EAN 4010312315682 | <b>40,90 €/pc.</b> |
|                                                                                     | <b>F2T55E-wg</b>  | Wireless 2-way pushbutton E-Design 55x55 mm without battery and wire, pure white glossy                                  | EAN 4010312319918 | <b>39,80 €/pc.</b> |
|    | <b>F2ZT55E-wg</b> | Wireless 2-way central control pushbutton E-Design 55x55 mm without battery and wire, pure white glossy                  | EAN 4010312319994 | <b>45,60 €/pc.</b> |
|                                                                                     | <b>F4T55E-al</b>  | Wireless 4-way pushbutton E-Design 55x55 mm without battery and wire, coated/aluminium paint                             | EAN 4010312319901 | <b>48,80 €/pc.</b> |
|                                                                                     | <b>F4T55E-ws</b>  | Wireless 4-way pushbutton E-Design 55x55 mm without battery and wire, white                                              | EAN 4010312319895 | <b>39,80 €/pc.</b> |
|                                                                                     | <b>F4T55E-rw</b>  | Wireless 4-way pushbutton E-Design 55x55 mm without battery and wire, pure white                                         | EAN 4010312319871 | <b>39,80 €/pc.</b> |
|  | <b>F4T55E-wg</b>  | Wireless 4-way pushbutton E-Design 55x55 mm without battery and wire, pure white glossy                                  | EAN 4010312319833 | <b>39,80 €/pc.</b> |
|                                                                                     | <b>F4T55E-sz</b>  | Wireless 4-way pushbutton E-Design 55x55 mm without battery and wire, black                                              | EAN 4010312319888 | <b>39,80 €/pc.</b> |
|                                                                                     | <b>F4T55E-an</b>  | Wireless 4-way pushbutton E-Design 55x55 mm without battery and wire, anthracite                                         | EAN 4010312319864 | <b>39,80 €/pc.</b> |
|                                                                                     | <b>F4T55EB-wg</b> | Wireless 4-way pushbutton E-Design 55x55 mm without wire, pure white glossy, with battery. With rocker and double rocker | EAN 4010312319970 | <b>53,70 €/pc.</b> |
|  | <b>F4T55B-al</b>  | Wireless 4-way pushbutton 55x55 mm without wire coated/aluminium paint, with battery. With rocker and double rocker      | EAN 4010312316467 | <b>60,10 €/pc.</b> |
|                                                                                     | <b>F4T55B-ws</b>  | Wireless 4-way pushbutton 55x55 mm without wire white, with battery. With rocker and double rocker                       | EAN 4010312316511 | <b>53,70 €/pc.</b> |





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| <b>F4T55B-rw</b> | Wireless 4-way pushbutton 55x55mm without wire pure white, with battery. With rocker and double rocker        | EAN 4010312316474 | <b>53,70 €/pc.</b> |
| <b>F4T55B-wg</b> | Wireless 4-way pushbutton 55x55mm without wire pure white glossy, with battery. With rocker and double rocker | EAN 4010312316498 | <b>53,70 €/pc.</b> |
| <b>F4T55B-an</b> | Wireless 4-way pushbutton 55x55mm without wire anthracite, with battery. With rocker and double rocker        | EAN 4010312316504 | <b>53,70 €/pc.</b> |



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| <b>F6T55B-wg</b> | Wireless 6-way pushbutton with battery, pure white glossy | EAN 4010312318935 | <b>68,40 €/pc.</b> |
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| <b>F6T55B-Keypad</b> | Wireless 6-way pushbutton as keypad, laser engraved with battery, pure white glossy | EAN 4010312319116 | <b>74,90 €/pc.</b> |
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| <b>FT55-al</b> | Wireless 4-way pushbutton 55x55mm coated/aluminium paint without battery or wire, with rocker and double rocker | EAN 4010312305829 | <b>48,80 €/pc.</b> |
| <b>FT55-ws</b> | Wireless 4-way pushbutton 55x55mm white without battery or wire, with rocker and double rocker                  | EAN 4010312308936 | <b>41,00 €/pc.</b> |
| <b>FT55-rw</b> | Wireless 4-way pushbutton 55x55mm pure white without battery or wire, with rocker and double rocker             | EAN 4010312305775 | <b>41,00 €/pc.</b> |
| <b>FT55-wg</b> | Wireless 4-way pushbutton 55x55mm pure white glossy without battery or wire, with rocker and double rocker      | EAN 4010312305799 | <b>41,00 €/pc.</b> |
| <b>FT55-sz</b> | Wireless 4-way pushbutton 55x55mm black without battery or wire, with rocker and double rocker                  | EAN 4010312305782 | <b>41,00 €/pc.</b> |
| <b>FT55-an</b> | Wireless 4-way pushbutton 55x55mm anthracite without battery or wire, with rocker and double rocker             | EAN 4010312305805 | <b>41,00 €/pc.</b> |



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| <b>FDT55B-wg</b> | Wireless rotary switch 55x55mm, pure white glossy | EAN 4010312318256 | <b>61,70 €/pc.</b> |
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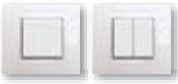


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| <b>FTA55D-wg</b> | Wireless pushbutton actuator dimmer 55x55mm, pure white glossy | EAN 4010312319222 | <b>74,80 €/pc.</b> |
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| <b>FTA55DL-wg</b> | Wireless pushbutton actuator dimmer without N connection 55x55mm, pure white glossy | EAN 4010312319239 | <b>74,80 €/pc.</b> |
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|    | <b>FTA55J-wg</b> | Wireless pushbutton actuator shading 55x55 mm, pure white glossy                | EAN 4010312319246 | <b>68,20 €/pc.</b> |
|                                                                                     | <b>FTA55L-wg</b> | Wireless pushbutton actuator light switch 55x55 mm, pure white glossy           | EAN 4010312319253 | <b>67,50 €/pc.</b> |
|                                                                                     | <b>FZT55-wg</b>  | Wireless 2-way central control pushbutton 55x55 mm, pure white glossy           | EAN 4010312318768 | <b>45,60 €/pc.</b> |
|                                                                                     | <b>B4T55-ws</b>  | Bus 4-way pushbutton 55x55 mm, white. With rocker and double rocker             | EAN 4010312316597 | <b>40,90 €/pc.</b> |
|   | <b>B4T55-rw</b>  | Bus 4-way pushbutton 55x55 mm, pure white. With rocker and double rocker        | EAN 4010312316603 | <b>40,90 €/St.</b> |
|                                                                                     | <b>B4T55-wg</b>  | Bus 4-way pushbutton 55x55 mm, pure white glossy. With rocker and double rocker | EAN 4010312316580 | <b>40,90 €/pc.</b> |
|                                                                                     | <b>B4T55-an</b>  | Bus 4-way pushbutton 55x55 mm, anthracite. With rocker and double rocker        | EAN 4010312316627 | <b>40,90 €/pc.</b> |
|                                                                                     | <b>WS55-ws</b>   | Rocker switch 55x55 mm, white                                                   | EAN 4010312317440 | <b>9,90 €/pc.</b>  |
|  | <b>WS55-rw</b>   | Rocker switch 55x55 mm, pure white                                              | EAN 4010312317464 | <b>9,90 €/pc.</b>  |
|                                                                                     | <b>WS55-wg</b>   | Rocker switch 55x55 mm, pure white glossy                                       | EAN 4010312317433 | <b>9,90 €/pc.</b>  |
|                                                                                     | <b>WS55-an</b>   | Rocker switch 55x55 mm, anthracite                                              | EAN 4010312317488 | <b>9,90 €/pc.</b>  |
|                                                                                     | <b>WT55-ws</b>   | Rocker pushbutton 55x55 mm, white                                               | EAN 4010312317495 | <b>9,90 €/pc.</b>  |
|  | <b>WT55-rw</b>   | Rocker pushbutton 55x55 mm, pure white                                          | EAN 4010312317501 | <b>9,90 €/pc.</b>  |
|                                                                                     | <b>WT55-wg</b>   | Rocker pushbutton 55x55 mm, pure white glossy                                   | EAN 4010312317518 | <b>9,90 €/pc.</b>  |

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|                                                                                     | <b>WT55-an</b>          | Rocker pushbutton 55x55mm, anthracite                                                                                 | EAN 4010312317532 | <b>9,90 €/pc.</b>  |
|    | <b>FT4BS-ws</b>         | Wireless 4-way pushbutton 55x55mm Unica, Schneider-white. With rocker and double rocker                               | EAN 4010312314203 | <b>44,50 €/pc.</b> |
|                                                                                     | <b>FT4B-cr</b>          | Wireless 4-way pushbutton 55x55mm Pure / Intense / Original, Niko cream. With rocker and double rocker                | EAN 4010312312995 | <b>44,50 €/pc.</b> |
|                                                                                     | <b>FT4B-na</b>          | Wireless 4-way pushbutton 55x55mm Pure / Intense / Original, Nikoanthracite. With rocker and double rocker            | EAN 4010312314180 | <b>44,50 €/pc.</b> |
|    | <b>FT4B-nw</b>          | Wireless 4-way pushbutton 55x55mm Pure / Intense / Original, Nikowhite. With rocker and double rocker                 | EAN 4010312312902 | <b>44,50 €/pc.</b> |
|                                                                                     | <b>FT4BL-lw</b>         | Wireless 4-way pushbutton 55x55mm Mosaic, Legrand-white. With rocker and double rocker                                | EAN 4010312314197 | <b>44,50 €/pc.</b> |
|   | <b>FT4CH-hg</b>         | Wireless 4-way pushbutton without battery or wire, light grey, Swiss Design. With rocker and double rocker            | EAN 4010312300985 | <b>44,50 €/pc.</b> |
|                                                                                     | <b>FT4CH-sz</b>         | Wireless 4-way pushbutton without battery or wire, black, Swiss Design. With rocker and double rocker                 | EAN 4010312300992 | <b>44,50 €/pc.</b> |
|                                                                                     | <b>FT4CH-w</b>          | Wireless 4-way pushbutton without battery or wire, white, Swiss Design. With rocker and double rocker                 | EAN 4010312300978 | <b>44,50 €/pc.</b> |
|  | <b>FT4CH+2P-w</b>       | Wireless 4-way pushbutton without battery or wire, white, Swiss Design. With rocker and double rocker, laser engraved | EAN 4010312312001 | <b>51,80 €/pc.</b> |
|  | <b>FT4S-ws</b>          | Wireless pushbutton Eljo sweden. With rocker and double rocker                                                        | EAN 4010312303191 | <b>44,50 €/pc.</b> |
|  | <b>FT55ES-wg</b>        | Wireless 4-way pushbutton Exxact sweden, without battery or wire. With rocker and double rocker                       | EAN 4010312314227 | <b>44,50 €/pc.</b> |
|  | <b>FT55RS-alpinweiß</b> | Wireless 4-way pushbutton Sweden Jussi-white, without battery or wire. With rocker and double rocker                  | EAN 4010312314210 | <b>44,50 €/pc.</b> |
|  | <b>FT55EL-ws</b>        | Wireless 4-way pushbutton Finland eljo-white, without battery or wire. With rocker and double rocker                  | EAN 4010312316658 | <b>44,50 €/pc.</b> |



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| <b>FT55R-weiß</b> | Wireless 4-way pushbutton white, without battery or wire, without frame. With rocker and double rocker | EAN 4010312313985 | <b>44,50 €/pc.</b> |
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| <b>FT55R-alpine white</b> | Wireless 4-way pushbutton alpine white, without battery or wire, without frame. With rocker and double rocker | EAN 4010312313992 | <b>44,50 €/pc.</b> |
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| <b>FT55AH-al</b> | Wireless 4-way pushbutton coated/aluminium paint, Berker and Merten partially. With rocker and double rocker | EAN 4010312318683 | <b>50,80 €/pc.</b> |
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| <b>FT55AH-ws</b> | Wireless 4-way pushbutton white, Berker and Merten partially. With rocker and double rocker | EAN 4010312318676 | <b>43,20 €/pc.</b> |
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| <b>FT55AH-rw</b> | Wireless 4-way pushbutton pure white, Berker and Merten partially. With rocker and double rocker | EAN 4010312318690 | <b>43,20 €/pc.</b> |
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| <b>FT55AH-wg</b> | Wireless 4-way pushbutton pure white glossy, Berker and Merten partially. With rocker and double rocker | EAN 4010312318713 | <b>43,20 €/pc.</b> |
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| <b>FT55AH-sz</b> | Wireless 4-way pushbutton black, Berker and Merten partially. With rocker and double rocker | EAN 4010312318706 | <b>43,20 €/pc.</b> |
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| <b>FT55AH-an</b> | Wireless 4-way pushbutton anthracite, Berker and Merten partially. With rocker and double rocker | EAN 4010312318720 | <b>43,20 €/pc.</b> |
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| <b>FMT55/2-rw</b> | Wireless 2-way mini pushbutton without battery or wire, with rocker, pure white | EAN 4010312312469 | <b>38,30 €/pc.</b> |
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| <b>FMT55/2-wg</b> | Wireless 2-way mini pushbutton without battery or wire, with rocker, pure white glossy | EAN 4010312312483 | <b>38,30 €/pc.</b> |
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| <b>FMT55/4-rw</b> | Wireless 4-way mini pushbutton without battery or wire, with double rocker, pure white | EAN 4010312312544 | <b>41,00 €/pc.</b> |
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| <b>FMT55/4-wg</b> | Wireless 4-way mini pushbutton without battery or wire, with double rocker, pure white glossy | EAN 4010312312568 | <b>41,00 €/pc.</b> |
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| <b>FFT55Q-al</b> | Wireless 1-way flat pushbutton without battery or wire, coated/aluminium paint | EAN 4010312312698 | <b>46,20 €/pc.</b> |
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| <b>FFT55Q-an</b> | Wireless 1-way flat pushbutton without battery or wire, anthracite | EAN 4010312312650 | <b>37,00 €/pc.</b> |
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| <b>FFT55Q-rw</b> | Wireless 1-way flat pushbutton without battery or wire, pure white        | EAN 4010312312636 | <b>37,00 €/pc.</b> |
| <b>FFT55Q-sz</b> | Wireless 1-way flat pushbutton without battery or wire, black             | EAN 4010312312643 | <b>37,00 €/pc.</b> |
| <b>FFT55Q-wg</b> | Wireless 1-way flat pushbutton without battery or wire, pure white glossy | EAN 4010312312667 | <b>37,00 €/pc.</b> |
| <b>FFT55Q-ws</b> | Wireless 1-way flat pushbutton without battery or wire, white             | EAN 4010312312605 | <b>37,00 €/pc.</b> |



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| <b>FT4F-al</b> | Wireless 4-way flat pushbutton coated/aluminium paint, without battery or wire. With rocker and double rocker | EAN 4010312306697 | <b>48,80 €/pc.</b> |
| <b>FT4F-an</b> | Wireless 4-way flat pushbutton anthracite, without battery or wire. With rocker and double rocker             | EAN 4010312302996 | <b>41,00 €/pc.</b> |
| <b>FT4F-rw</b> | Wireless 4-way flat pushbutton pure white, without battery or wire. With rocker and double rocker             | EAN 4010312302941 | <b>41,00 €/pc.</b> |
| <b>FT4F-sz</b> | Wireless 4-way flat pushbutton black, without battery or wire. With rocker and double rocker                  | EAN 4010312302965 | <b>41,00 €/pc.</b> |
| <b>FT4F-wg</b> | Wireless 4-way flat pushbutton pure white glossy, without battery or wire. With rocker and double rocker      | EAN 4010312302972 | <b>41,00 €/pc.</b> |
| <b>FT4F-ws</b> | Wireless 4-way flat pushbutton white, without battery or wire. With rocker and double rocker                  | EAN 4010312302927 | <b>41,00 €/pc.</b> |



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| <b>FIW-USB</b> | Wireless infrared converter with USB port. Only 0.05 watt standby loss | EAN 4010312311158 | <b>93,50 €/pc.</b> |
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| <b>FTK-rw</b> | Wireless sensor Window/door contact, pure white | EAN 4010312305010 | <b>72,80 €/pc.</b> |
| <b>FTK-an</b> | Wireless sensor Window/door contact, anthracite | EAN 4010312305164 | <b>74,90 €/pc.</b> |



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| <b>FTKB-rw</b> | Wireless sensor Window/door contact with battery, pure white | EAN 4010312316436 | <b>87,80 €/pc.</b> |
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|    | <b>FTKB-gr</b>     | Wireless window/door contact with battery, grey                                                                           | EAN 4010312317228 | <b>102,90 €/pc.</b> |
|    | <b>FTKB-hg</b>     | Wireless window/door contact with battery, light grey                                                                     | EAN 4010312318782 | <b>90,40 €/pc.</b>  |
|    | <b>FFG7B-rw</b>    | Wireless window handle sensor, pure white                                                                                 | EAN 4010312318638 | <b>80,90 €/pc.</b>  |
|    | <b>FFTE-rw</b>     | Wireless window touch contact with energy generator, pure white                                                           | EAN 4010312319024 | <b>58,40 €/pc.</b>  |
|    | <b>FTKE-rw</b>     | Wireless sensor with energy generator, wireless window/door contact, pure white                                           | EAN 4010312315231 | <b>58,40 €/pc.</b>  |
|    | <b>FPE-1</b>       | Wireless position switch with energy generator blue                                                                       | EAN 4010312315552 | <b>62,90 €/pc.</b>  |
|  | <b>FPE-2</b>       | Wireless position switch with energy generator blue                                                                       | EAN 4010312315484 | <b>62,90 €/pc.</b>  |
|  | <b>BW3</b>         | Mounting brackets, pure white                                                                                             | EAN 4010312907641 | <b>3,30 €/pc.</b>   |
|  | <b>FVST</b>        | Wireless encryption plug                                                                                                  | EAN 4010312907290 | <b>1,00 €/pc.</b>   |
|  | <b>FFD-al/anso</b> | Wireless 50-channel remote control with display. Painted aluminium top, bottom anthracite-soft paint.                     | EAN 4010312313541 | <b>125,00 €/pc.</b> |
|  | <b>FF8-al/anso</b> | Wireless 8-channel remote control with 2 double rockers, painted aluminium top, bottom and rockers anthracite-soft paint. | EAN 4010312303931 | <b>102,80 €/pc.</b> |
|  | <b>FHS8-rw</b>     | Wireless 8-channel hand-held transmitter, pure white. With 2 double rockers                                               | EAN 4010312300862 | <b>75,00 €/pc.</b>  |
|  | <b>FHS8-wg</b>     | Wireless 8-channel hand-held transmitter, pure white glossy. With 2 double rockers                                        | EAN 4010312300947 | <b>75,00 €/pc.</b>  |
|  | <b>FHS12-rw</b>    | Wireless 12-channel hand-held transmitter, pure white. With 3 double rockers                                              | EAN 4010312300343 | <b>109,10 €/pc.</b> |



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| <b>FHS12-wg</b> | Wireless 12-channel hand-held transmitter, pure white glossy. With 3 double rockers | EAN 4010312300954 | <b>109,10 €/pc.</b> |
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| <b>FMH8-rw</b> | Wireless 8-channel mini hand-held transmitter, pure white | EAN 4010312311714 | <b>75,80 €/pc.</b> |
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| <b>FMH8-an</b> | Wireless 8-channel mini hand-held transmitter, anthracite | EAN 4010312311707 | <b>75,80 €/pc.</b> |
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| <b>FMH8-al/an</b> | Wireless 8-channel mini hand-held transmitter. Top aluminium, bottom and pushbuttons anthracite-soft paint | EAN 4010312313282 | <b>83,80 €/pc.</b> |
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| <b>FMH2-ws</b> | Wireless 2-way sensor mini hand-held transmitters, white | EAN 4010312303450 | <b>39,70 €/pc.</b> |
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| <b>FMH2-rw</b> | Wireless 2-way sensor mini hand-held transmitters, pure white | EAN 4010312303467 | <b>39,70 €/pc.</b> |
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| <b>FMH2-wg</b> | Wireless 2-way sensor mini hand-held transmitters, pure white glossy | EAN 4010312303481 | <b>39,70 €/pc.</b> |
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| <b>FMH2-sz</b> | Wireless 2-way sensor mini hand-held transmitters, black | EAN 4010312303474 | <b>39,70 €/pc.</b> |
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| <b>FMH2-an</b> | Wireless 2-way sensor mini hand-held transmitters, anthracite | EAN 4010312303498 | <b>39,70 €/pc.</b> |
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| <b>FMH2S-ws</b> | Wireless 2-way sensor mini hand-held transmitters, white | EAN 4010312303368 | <b>42,00 €/pc.</b> |
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| <b>FMH2S-rw</b> | Wireless 2-way sensor mini hand-held transmitters, pure white | EAN 4010312303375 | <b>42,00 €/pc.</b> |
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| <b>FMH2S-wg</b> | Wireless 2-way sensor mini hand-held transmitters, pure white glossy | EAN 4010312303399 | <b>42,00 €/pc.</b> |
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| <b>FMH2S-sz</b> | Wireless 2-way sensor mini hand-held transmitters, black | EAN 4010312303382 | <b>42,00 €/pc.</b> |
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| <b>FMH2S-an</b> | Wireless 2-way sensor mini hand-held transmitters, anthracite | EAN 4010312303405 | <b>42,00 €/pc.</b> |
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| <b>FMH4-ws</b> | Wireless 4-way sensor mini hand-held transmitters, white             | EAN 4010312301029 | <b>42,00 €/pc.</b> |
| <b>FMH4-rw</b> | Wireless 4-way sensor mini hand-held transmitters, pure white        | EAN 4010312301036 | <b>42,00 €/pc.</b> |
| <b>FMH4-wg</b> | Wireless 4-way sensor mini hand-held transmitters, pure white glossy | EAN 4010312301067 | <b>42,00 €/pc.</b> |
| <b>FMH4-sz</b> | Wireless 4-way sensor mini hand-held transmitters, black             | EAN 4010312301012 | <b>42,00 €/pc.</b> |
| <b>FMH4-an</b> | Wireless 4-way sensor mini hand-held transmitters, anthracite        | EAN 4010312301043 | <b>42,00 €/pc.</b> |



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| <b>FMH4S-ws</b> | Wireless 4-way sensor mini hand-held transmitters, white             | EAN 4010312301371 | <b>44,30 €/pc.</b> |
| <b>FMH4S-rw</b> | Wireless 4-way sensor mini hand-held transmitters, pure white        | EAN 4010312301562 | <b>44,30 €/pc.</b> |
| <b>FMH4S-wg</b> | Wireless 4-way sensor mini hand-held transmitters, pure white glossy | EAN 4010312301586 | <b>44,30 €/pc.</b> |
| <b>FMH4S-sz</b> | Wireless 4-way sensor mini hand-held transmitters, black             | EAN 4010312301555 | <b>44,30 €/pc.</b> |



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| <b>FMH4S-an</b> | Wireless 4-way sensor mini hand-held transmitters, anthracite | EAN 4010312301579 | <b>44,30 €/pc.</b> |
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| <b>FMH2S-wr</b> | Wireless 2-way mini hand-held transmitter for calling systems. Pure white with red lettering, with grey carry strap | EAN 4010312303337 | <b>50,40 €/pc.</b> |
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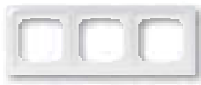


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| <b>FMH1W-sz</b> | Wireless 1-way mini hand-held transmitter, waterproof, black | EAN 4010312315293 | <b>64,70 €/pc.</b> |
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| <b>TF-TTB</b> | Tap-radio® pushbutton tracker | EAN 4010312317563 | <b>58,20 €/pc.</b> |
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## Accessories active and passive wireless sensors and wired bus sensors

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|             | <b>R1E-wg</b>    | Single frame, pure white glossy                                         | EAN 4010312907122 | <b>2,90 €/pc.</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>R2E-wg</b>    | Double frame, pure white glossy                                         | EAN 4010312907115 | <b>4,10 €/pc.</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>R3E-wg</b>    | Triple frame, pure white glossy                                         | EAN 4010312907108 | <b>4,30 €/pc.</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>R4E-wg</b>    | 4-way frame, pure white glossy                                          | EAN 4010312907603 | <b>4,90 €/pc.</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>RF1E-wg</b>   | Single flat frame, pure white glossy                                    | EAN 4010312907245 | <b>2,90 €/pc.</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>RF2E-wg</b>   | Double flat frame, pure white glossy                                    | EAN 4010312907252 | <b>4,10 €/pc.</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>RF3E-wg</b>   | Triple flat frame, pure white glossy                                    | EAN 4010312907269 | <b>4,30 €/pc.</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>RF4E-wg</b>   | 4-way flat frame, pure white glossy                                     | EAN 4010312907610 | <b>4,90 €/pc.</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>R2UE-wg</b>   | Universal frame E-Design internal dimensions 65x65mm, pure white glossy | EAN 4010312908327 | <b>4,10 €/pc.</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>R3UE-wg</b>   | Universal frame E-Design internal dimensions 65x65mm, pure white glossy | EAN 4010312908334 | <b>4,30 €/pc.</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>R1UE55-wg</b> | Universal frame E-Design internal dimensions 55x55mm, pure white glossy | EAN 4010312908341 | <b>2,90 €/pc.</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>R2UE55-wg</b> | Universal frame E-Design internal dimensions 55x55mm, pure white glossy | EAN 4010312908365 | <b>4,10 €/pc.</b> |



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| <b>R3UE55-wg</b> | Universal frame E-Design internal dimensions 55x55mm, pure white glossy | EAN 4010312908358 | <b>4,30 €/pc.</b> |
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| <b>R-ws</b> | Single frame, white | EAN 4010312902356 | <b>3,90 €/pc.</b> |
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| <b>R-rw</b> | Single frame, pure white | EAN 4010312902370 | <b>3,90 €/pc.</b> |
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| <b>R-wg</b> | Single frame, pure white glossy | EAN 4010312902400 | <b>3,90 €/pc.</b> |
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| <b>R-sz</b> | Single frame, black | EAN 4010312902394 | <b>3,90 €/pc.</b> |
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| <b>R-an</b> | Single frame, antracite | EAN 4010312902424 | <b>3,90 €/pc.</b> |
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| <b>R-al</b> | Single frame, coated/aluminium paint | EAN 4010312902363 | <b>4,70 €/pc.</b> |
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| <b>R2-ws</b> | Double frame, white | EAN 4010312903681 | <b>4,20 €/pc.</b> |
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| <b>R2-rw</b> | Double frame, pure white | EAN 4010312903704 | <b>4,20 €/pc.</b> |
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| <b>R2-wg</b> | Double frame, pure white glossy | EAN 4010312903728 | <b>4,20 €/pc.</b> |
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| <b>R2-sz</b> | Double gle frame, black | EAN 4010312903698 | <b>4,20 €/pc.</b> |
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| <b>R2-an</b> | Double frame, antracite | EAN 4010312903711 | <b>4,20 €/pc.</b> |
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| <b>R2-al</b> | Double frame, coated/aluminium paint | EAN 4010312903742 | <b>8,90 €/pc.</b> |
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| <b>R3-ws</b> | Triple frame, white | EAN 4010312903766 | <b>4,40 €/pc.</b> |
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| <b>R3-rw</b> | Triple frame, pure white             | EAN 4010312903780 | <b>4,40 €/pc.</b>  |
| <b>R3-wg</b> | Triple frame, pure white glossy      | EAN 4010312903803 | <b>4,40 €/pc.</b>  |
| <b>R3-sz</b> | Triple gle frame, black              | EAN 4010312903773 | <b>4,40 €/pc.</b>  |
| <b>R3-an</b> | Triple frame, antracite              | EAN 4010312903797 | <b>4,40 €/pc.</b>  |
| <b>R3-al</b> | Triple frame, coated/aluminium paint | EAN 4010312903827 | <b>11,50 €/pc.</b> |



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| <b>R1F-ws</b> | Single frame for wireless flat pushbutton, white, internal dimensions 63x63 mm                  | EAN 4010312904299 | <b>3,90 €/pc.</b> |
| <b>R1F-rw</b> | Single frame for wireless flat pushbutton, pure white, internal dimensions 63x63 mm             | EAN 4010312904312 | <b>3,90 €/pc.</b> |
| <b>R1F-wg</b> | Single frame for wireless flat pushbutton, pure white glossy, internal dimensions 63x63 mm      | EAN 4010312904343 | <b>3,90 €/pc.</b> |
| <b>R1F-sz</b> | Single frame for wireless flat pushbutton, black, internal dimensions 63x63 mm                  | EAN 4010312904336 | <b>3,90 €/pc.</b> |
| <b>R1F-an</b> | Single frame for wireless flat pushbutton, anthracite, internal dimensions 63x63 mm             | EAN 4010312904909 | <b>3,90 €/pc.</b> |
| <b>R1F-al</b> | Single frame for wireless flat pushbutton, coated/aluminium paint, internal dimensions 63x63 mm | EAN 4010312905715 | <b>6,30 €/pc.</b> |



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| <b>R2F-ws</b> | Double frame for wireless flat pushbutton, white, internal dimensions 63x63 mm             | EAN 4010312904367 | <b>4,20 €/pc.</b> |
| <b>R2F-rw</b> | Double frame for wireless flat pushbutton, pure white, internal dimensions 63x63 mm        | EAN 4010312904381 | <b>4,20 €/pc.</b> |
| <b>R2F-wg</b> | Double frame for wireless flat pushbutton, pure white glossy, internal dimensions 63x63 mm | EAN 4010312904411 | <b>4,20 €/pc.</b> |



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| <b>R2F-sz</b> | Double frame for wireless flat pushbutton, black, internal dimensions 63x63 mm                  | EAN 4010312904404 | <b>4,20 €/pc.</b> |
| <b>R2F-an</b> | Double frame for wireless flat pushbutton, anthracite, internal dimensions 63x63 mm             | EAN 4010312904435 | <b>4,20 €/pc.</b> |
| <b>R2F-al</b> | Double frame for wireless flat pushbutton, coated/aluminium paint, internal dimensions 63x63 mm | EAN 4010312905739 | <b>8,90 €/pc.</b> |



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| <b>R3F-ws</b> | Triple frame for wireless flat pushbutton, white, internal dimensions 63x63 mm                  | EAN 4010312904442 | <b>4,40 €/pc.</b>  |
| <b>R3F-rw</b> | Triple frame for wireless flat pushbutton, pure white, internal dimensions 63x63 mm             | EAN 4010312904459 | <b>4,40 €/pc.</b>  |
| <b>R3F-wg</b> | Triple frame for wireless flat pushbutton, pure white glossy, internal dimensions 63x63 mm      | EAN 4010312904480 | <b>4,40 €/pc.</b>  |
| <b>R3F-sz</b> | Triple frame for wireless flat pushbutton, black, internal dimensions 63x63 mm                  | EAN 4010312904473 | <b>4,40 €/pc.</b>  |
| <b>R3F-an</b> | Triple frame for wireless flat pushbutton, anthracite, internal dimensions 63x63 mm             | EAN 4010312904503 | <b>4,40 €/pc.</b>  |
| <b>R3F-al</b> | Triple frame for wireless flat pushbutton, coated/aluminium paint, internal dimensions 63x63 mm | EAN 4010312905760 | <b>11,50 €/pc.</b> |



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| <b>QR1Gw-gw</b> | The Q-design. Single frame with floating front panel. White glossy frame with white glossy body | EAN 4010312313237 | <b>28,00 €/pc.</b> |
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| <b>QR1Gs-gw</b> | The Q-design. Single frame with floating front panel. Black glass frame with black glossy body | EAN 4010312313220 | <b>16,40 €/pc.</b> |
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| <b>QR1Gs-sz</b> | The Q-design. Single frame with floating front panel. Black glass frame with black body | EAN 4010312313244 | <b>16,40 €/pc.</b> |
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| <b>QR1K-gw</b> | The Q-design. Single frame with floating front panel. White glossy plastic frame | EAN 4010312313213 | <b>3,50 €/pc.</b> |
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| <b>QR1K-an</b> | The Q-design. Single frame with floating front panel. Anthracite plastic frame | EAN 4010312313251 | <b>3,80 €/pc.</b> |
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|    | <b>QR1K-as</b>  | The Q-design. Single frame with floating front panel. Aluminium-silver plastic frame           | EAN 4010312313268 | <b>5,70 €/pc.</b>  |
|    | <b>QR2Gw-gw</b> | The Q-design. Double frame with floating front panel. White glass frame with white glossy body | EAN 4010312313305 | <b>45,10 €/pc.</b> |
|    | <b>QR2Gs-gw</b> | The Q-design. Double frame with floating front panel. Black glass frame with black glossy body | EAN 4010312313312 | <b>45,10 €/pc.</b> |
|    | <b>QR2Gs-sz</b> | The Q-design. Double frame with floating front panel. Black glass frame with black body        | EAN 4010312313329 | <b>45,10 €/pc.</b> |
|    | <b>QR2K-gw</b>  | The Q-design. Double frame with floating front panel. White glossy plastic frame               | EAN 4010312313343 | <b>7,20 €/pc.</b>  |
|   | <b>QR2K-an</b>  | The Q-design. Double frame with floating front panel. Anthracite plastic frame                 | EAN 4010312313350 | <b>7,20 €/pc.</b>  |
|  | <b>QR2K-as</b>  | The Q-design. Double frame with floating front panel. Aluminium-silver plastic frame           | EAN 4010312313367 | <b>8,30 €/pc.</b>  |
|  | <b>QR3Gw-gw</b> | The Q-design. Triple frame with floating front panel. White glass frame with white glossy body | EAN 4010312313374 | <b>73,90 €/pc.</b> |
|  | <b>QR3Gs-gw</b> | The Q-design. Triple frame with floating front panel. Black glass frame with black glossy body | EAN 4010312313381 | <b>73,90 €/pc.</b> |
|  | <b>QR3Gs-sz</b> | The Q-design. Triple frame with floating front panel. Black glass frame with black body        | EAN 4010312313398 | <b>73,90 €/pc.</b> |
|  | <b>QR3K-gw</b>  | The Q-design. Triple frame with floating front panel. White glossy plastic frame               | EAN 4010312313411 | <b>7,00 €/pc.</b>  |
|  | <b>QR3K-an</b>  | The Q-design. Triple frame with floating front panel. Anthracite plastic frame                 | EAN 4010312313428 | <b>8,50 €/pc.</b>  |
|  | <b>QR3K-as</b>  | The Q-design. Triple frame with floating front panel. Aluminium-silver plastic frame           | EAN 4010312313435 | <b>14,40 €/pc.</b> |
|  | <b>FTVW</b>     | Wireless pushbutton encryption rocker                                                          | EAN 4010312907030 | <b>1,40 €/pc.</b>  |

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|    | <b>BLA65-wg</b>     | Blind cover for R1E, R2E, R3E and R4E wg, pure white glossy                   | EAN 4010312907139 | <b>3,30 €/pc.</b> |
|                                                                                     | <b>BLA65F-wg</b>    | Blind cover for RF1E, RF2E, RF3E and RF4E, pure white glossy                  | EAN 4010312907412 | <b>3,30 €/pc.</b> |
|    | <b>BLA55-ws</b>     | Blind cover BLA55 for R, R2 and R3 as well as all Q frames, white             | EAN 4010312905869 | <b>3,30 €/pc.</b> |
|                                                                                     | <b>BLA55-rw</b>     | Blind cover BLA55 for R, R2 and R3 as well as all Q frames, pure white        | EAN 4010312905883 | <b>3,30 €/pc.</b> |
|                                                                                     | <b>BLA55-wg</b>     | Blind cover BLA55 for R, R2 and R3 as well as all Q frames, pure white glossy | EAN 4010312905913 | <b>3,30 €/pc.</b> |
|                                                                                     | <b>BLA55-sz</b>     | Blind cover BLA55 for R, R2 and R3 as well as all Q frames, black             | EAN 4010312905906 | <b>3,30 €/pc.</b> |
|                                                                                     | <b>BLA55-an</b>     | Blind cover BLA55 for R, R2 and R3 as well as all Q frames, anthracite        | EAN 4010312905937 | <b>3,30 €/pc.</b> |
|  | <b>BLF-rw</b>       | Blind cover for R1F, R2F and R3F, pure white                                  | EAN 4010312904237 | <b>3,30 €/pc.</b> |
|                                                                                     | <b>BLF-wg</b>       | Blind cover for R1F, R2F and R3F, pure white glossy                           | EAN 4010312904268 | <b>3,30 €/pc.</b> |
|                                                                                     | <b>BLF-sz</b>       | Blind cover for R1F, R2F and R3F, black                                       | EAN 4010312904251 | <b>3,30 €/pc.</b> |
|                                                                                     | <b>BLF-an</b>       | Blind cover for R1F, R2F and R3F, anthracite                                  | EAN 4010312904282 | <b>3,30 €/pc.</b> |
|  | <b>DSS65-wg</b>     | DSS with socket outlet front, pure white glossy                               | EAN 4010312315996 | <b>5,70 €/pc.</b> |
|  | <b>DSS65F-wg</b>    | DSS with socket outlet front, pure white glossy                               | EAN 4010312316818 | <b>5,70 €/pc.</b> |
|                                                                                     | <b>DSS+SD055-ws</b> | DSS with socket outlet front, white                                           | EAN 4010312310830 | <b>6,60 €/pc.</b> |



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| <b>DSS+SD055-rw</b> | DSS with socket outlet front, pure white        | EAN 4010312310854 | <b>6,60 €/pc.</b> |
| <b>DSS+SD055-wg</b> | DSS with socket outlet front, pure white glossy | EAN 4010312310885 | <b>6,60 €/pc.</b> |
| <b>DSS+SD055-sz</b> | DSS with socket outlet front, black             | EAN 4010312310878 | <b>6,40 €/pc.</b> |
| <b>DSS+SD055-an</b> | DSS with socket outlet front, anthracite        | EAN 4010312310908 | <b>6,60 €/pc.</b> |



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| <b>DSS+SD0F-ws</b> | DSS with socket outlet front, white             | EAN 4010312311295 | <b>6,60 €/pc.</b> |
| <b>DSS+SD0F-rw</b> | DSS with socket outlet front, pure white        | EAN 4010312311318 | <b>6,60 €/pc.</b> |
| <b>DSS+SD0F-wg</b> | DSS with socket outlet front, pure white glossy | EAN 4010312311349 | <b>6,60 €/pc.</b> |
| <b>DSS+SD0F-sz</b> | DSS with socket outlet front, black             | EAN 4010312311332 | <b>6,40 €/pc.</b> |
| <b>DSS+SD0F-an</b> | DSS with socket outlet front, anthracite        | EAN 4010312311363 | <b>6,60 €/pc.</b> |



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| <b>TAE65/3-wg</b> | 3-socket TAE cover for E-design frames, pure white glossy | EAN 4010312907337 | <b>2,90 €/pc.</b> |
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| <b>TV65/2-wg</b> | TV/RF cover for E-design frames, pure white glossy | EAN 4010312907351 | <b>2,90 €/pc.</b> |
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| <b>TV65/3-wg</b> | TV/RF/SAT cover for E-design frames, pure white glossy | EAN 4010312907382 | <b>2,90 €/pc.</b> |
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| <b>TV65/4-wg</b> | TV/RF/SAT cover for E-design frames, pure white glossy | EAN 4010312907634 | <b>2,90 €/pc.</b> |
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| <b>UAE65/2-wg</b> | 2-hole UAE/IAE cover for E-design frames, pure white glossy | EAN 4010312907399 | <b>2,90 €/pc.</b> |
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|    | <b>TAE65F/3-wg</b> | Cover for TAE 3-socket, pure white glossy                         | EAN 4010312907344 | <b>2,90 €/pc.</b> |
|    | <b>TV65F/2-wg</b>  | Cover for TV/RF, pure white glossy                                | EAN 4010312907368 | <b>2,90 €/pc.</b> |
|    | <b>TV65F/3-wg</b>  | Cover for TV/RF, pure white glossy                                | EAN 4010312907375 | <b>2,90 €/pc.</b> |
|    | <b>TV65F/4-wg</b>  | Cover for TV/RF/SAT, pure white glossy                            | EAN 4010312907627 | <b>2,90 €/pc.</b> |
|    | <b>UAE65F/2-wg</b> | Cover for UAE/IAE, pure white glossy                              | EAN 4010312907405 | <b>2,90 €/pc.</b> |
|   | <b>S065</b>        | Desktop base                                                      | EAN 4010312908143 | <b>7,10 €/pc.</b> |
|  | <b>S055</b>        | Desktop base                                                      | EAN 4010312908150 | <b>7,10 €/pc.</b> |
|  | <b>FSAF-gr</b>     | Cover foil, grey                                                  | EAN 4010312908136 | <b>3,30 €/pc.</b> |
|  | <b>LGI</b>         | Laser engraving individually, create new pictogram                | EAN 4010312908310 | <b>9,90 €/pc.</b> |
|  | <b>W-B4FT65</b>    | Rocker for bus flat pushbutton E-design, pure white glossy        | EAN 4010312907207 | <b>6,20 €/pc.</b> |
|  | <b>DW-B4FT65</b>   | Double rocker for bus flat pushbutton E-design, pure white glossy | EAN 4010312907191 | <b>6,60 €/pc.</b> |
|  | <b>W-B4T65</b>     | Rocker for bus pushbutton E-design, pure white glossy             | EAN 4010312907184 | <b>6,20 €/pc.</b> |
|  | <b>DW-B4T65</b>    | Double rocker for bus pushbutton E-design pure white glossy       | EAN 4010312907214 | <b>6,60 €/pc.</b> |
|  | <b>W-F1FT65</b>    | Rocker for wireless flat pushbutton E-design                      | EAN 4010312907153 | <b>6,20 €/pc.</b> |

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|    | <b>W-F4T65</b>    | Rocker for wireless pushbutton E-design pure white glossy                            | EAN 4010312907160 | <b>6,20 €/pc.</b> |
|    | <b>DW-F4T65</b>   | Double rocker for wireless pushbutton E-design pure white glossy                     | EAN 4010312907177 | <b>6,60 €/pc.</b> |
|    | <b>W-F4FT65B</b>  | Rocker for wireless flat pushbutton E-design with batteries pure white glossy        | EAN 4010312908051 | <b>6,20 €/pc.</b> |
|    | <b>DW-F4FT65</b>  | Double rocker for wireless flat pushbutton E-design with batteries pure white glossy | EAN 4010312908068 | <b>6,60 €/pc.</b> |
|    | <b>W-F4T65B</b>   | Rocker for wireless pushbutton E-design with batteries pure white glossy             | EAN 4010312907276 | <b>6,20 €/pc.</b> |
|    | <b>DW-F4T65B</b>  | Double rocker for wireless pushbutton E-design with batteries pure white glossy      | EAN 4010312907283 | <b>6,60 €/pc.</b> |
|  | <b>W-WT/WS65</b>  | Rocker for rocker switches and rocker push-buttons E-design pure white glossy        | EAN 4010312908075 | <b>6,20 €/pc.</b> |
|  | <b>W-B4T55</b>    | Rocker for bus pushbuttons ws/rw/wg/sz/an/al                                         | EAN 4010312907573 | <b>6,20 €/pc.</b> |
|  | <b>DW-B4T55</b>   | Double rocker for bus pushbuttons ws/rw/wg/sz/an/al                                  | EAN 4010312907580 | <b>6,60 €/pc.</b> |
|  | <b>W-F4T55B</b>   | Rocker for wireless pushbuttons 55x55 mm                                             | EAN 4010312907313 | <b>6,20 €/pc.</b> |
|  | <b>DW-F4T55B</b>  | Double rocker for wireless pushbuttons 55x55 mm                                      | EAN 4010312907320 | <b>6,60 €/pc.</b> |
|  | <b>W-FFT55Q</b>   | Rocker for wireless flat pushbuttons                                                 | EAN 4010312906255 | <b>6,20 €/pc.</b> |
|  | <b>W-FMT55/2</b>  | Rocker for wireless mini pushbuttons                                                 | EAN 4010312906323 | <b>6,20 €/pc.</b> |
|  | <b>DW-FMT55/4</b> | Double rocker for wireless mini pushbuttons                                          | EAN 4010312906330 | <b>6,60 €/pc.</b> |



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|    | <b>W-FT4CH</b>     | Rocker for wireless pushbuttons Swiss Design                                      | EAN 4010312906347 | <b>6,20 €/pc</b>  |
|    | <b>DW-FT4CH</b>    | Double rocker for wireless pushbuttons Swiss Design                               | EAN 4010312906385 | <b>6,60 €/pc.</b> |
|    | <b>W-FT4F</b>      | Rocker for wireless flat pushbuttons                                              | EAN 4010312906262 | <b>6,20 €/pc.</b> |
|    | <b>DW-FT4F</b>     | Double rocker for wireless flat pushbuttons                                       | EAN 4010312906279 | <b>6,60 €/pc.</b> |
|    | <b>W-FT55</b>      | Rocker for wireless pushbuttons 55x55 mm                                          | EAN 4010312906286 | <b>6,20 €/pc.</b> |
|   | <b>DW-FT55</b>     | Double rocker for wireless pushbuttons 55x55 mm                                   | EAN 4010312906293 | <b>6,60 €/pc</b>  |
|  | <b>W-FT55R</b>     | Rocker for wireless pushbuttons 55x55 mm for Busch Reflex and Duro                | EAN 4010312907047 | <b>6,20 €/pc.</b> |
|  | <b>DW-FT55R</b>    | Double rocker for wireless pushbuttons 55x55 mm for Busch Reflex and Duro         | EAN 4010312907061 | <b>6,60 €/pc.</b> |
|  | <b>W-WT/WS55</b>   | Rocker for rocker switch and rocker push-button                                   | EAN 4010312908112 | <b>6,20 €/pc.</b> |
|  | <b>DW-FF8</b>      | Double rocker for wireless remote control anthracite-soft paint                   | EAN 4010312906378 | <b>6,60 €/pc.</b> |
|  | <b>W-FHS/FMH2</b>  | Rocker for wireless hand-held transmitters and mini hand-held transmitters        | EAN 4010312906354 | <b>6,20 €/pc.</b> |
|  | <b>DW-FHS/FMH4</b> | Double rocker for wireless hand-held transmitters and mini hand-held transmitters | EAN 4010312906361 | <b>6,60 €/pc.</b> |
|  | <b>AR65/5.2-wg</b> | Adapter frame, pure white glossy                                                  | EAN 4010312907481 | <b>1,00 €/pc.</b> |
|  | <b>AR65/4.8-wg</b> | Adapter frame, pure white glossy                                                  | EAN 4010312907597 | <b>1,00 €/pc.</b> |

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|    | <b>AR65/3.4-wg</b>      | Adapter frame, pure white glossy                                                        | EAN 4010312907498 | <b>1,00 €/pc.</b>  |
|    | <b>AR65/2.8-wg</b>      | Adapter frame, pure white glossy                                                        | EAN 4010312907436 | <b>1,00 €/pc.</b>  |
|    | <b>AR65/2.5-wg</b>      | Adapter frame, pure white glossy                                                        | EAN 4010312907429 | <b>1,00 €/pc.</b>  |
|    | <b>ZR55/50-wg</b>       | Intermediate frame 55 to 50mm for frames R, R2, R3, pure white glossy                   | EAN 4010312907504 | <b>1,50 €/pc.</b>  |
|                                                                                     | <b>ZR65/55-wg</b>       | Intermediate frame 55mm for E-design frames R1E, R2E and R3E, pure white glossy         | EAN 4010312907467 | <b>1,10 €/pc.</b>  |
|   | <b>ZR65/50-wg</b>       | Intermediate frame 50mm for E-design frames R1E, R2E and R3E, pure white glossy         | EAN 4010312907443 | <b>1,50 €/pc.</b>  |
|  | <b>ZR65F/55-wg</b>      | Intermediate frame 55mm for E-design flat frames RF1E, RF2E and RF3E, pure white glossy | EAN 4010312907474 | <b>1,10 €/pc.</b>  |
|  | <b>ZR65F/50-wg</b>      | Intermediate frame 50mm for E-design flat frames RF1E, RF2E and RF3E, pure white glossy | EAN 4010312907450 | <b>1,10 €/pc.</b>  |
|  | <b>BBH65/12VDC-wg</b>   | Bus motion/brightness sensor, pure white glossy                                         | EAN 4010312318966 | <b>71,60 €/pc.</b> |
|  | <b>BTR65H/12VDC-wg</b>  | Bus temperature controller with hand wheel, pure white glossy                           | EAN 4010312318959 | <b>61,30 €/pc.</b> |
|  | <b>BUTH65D/12VDC-wg</b> | Bus thermo clock/hygrostat with display, pure white glossy                              | EAN 4010312318942 | <b>69,60 €/pc.</b> |
|  | <b>BTF65/12VDC-wg</b>   | Bus temperature sensor, pure white glossy                                               | EAN 4010312319741 | <b>56,30 €/pc.</b> |
|  | <b>BBH55/12VDC-wg</b>   | Bus motion/brightness sensor, pure white glossy                                         | EAN 4010312319789 | <b>71,60 €/pc.</b> |
|  | <b>BTR55H/12VDC-wg</b>  | Bus temperature controller with hand wheel, pure white glossy                           | EAN 4010312319796 | <b>61,30 €/pc.</b> |



**BUTH55D/12VDC-wg**

Bus thermo clock/hygrostat with display,  
pure white glossy

EAN 4010312319802

**69,60 €/pc.**



**BTF55/12VDC-wg**

Bus temperature sensor, pure white glossy

EAN 4010312319819

**56,30 €/pc.**



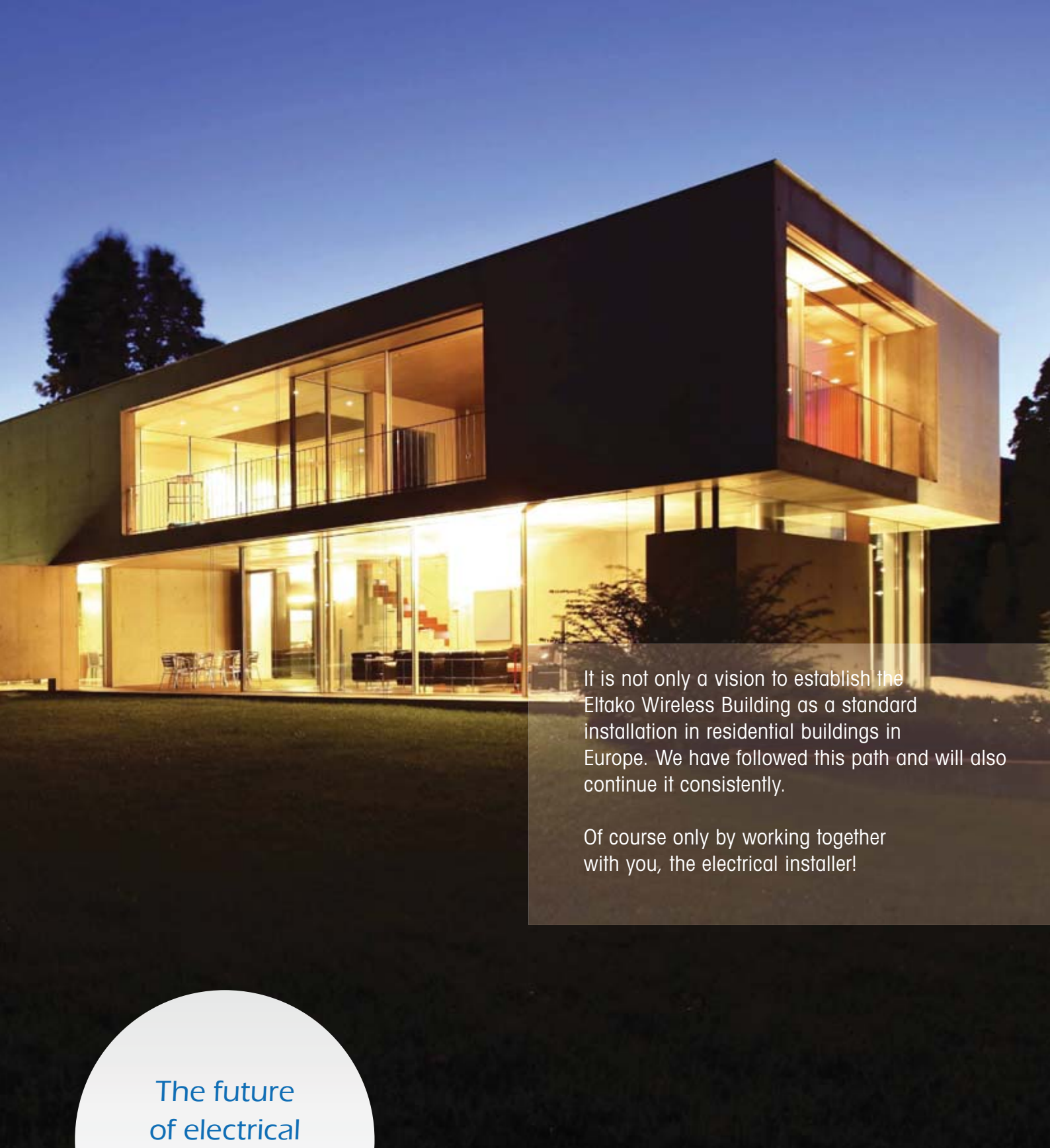
## Accessories wireless and others

|                                                                                     |                                    |                                    |                   |                     |
|-------------------------------------------------------------------------------------|------------------------------------|------------------------------------|-------------------|---------------------|
|    | <b>BPD Blisterpack dimming</b>     | Blisterpack dimming                | EAN 4010312314241 | <b>138,50 €/pc.</b> |
|    | <b>BPS Blisterpack switching</b>   | Blisterpack switching              | EAN 4010312314258 | <b>117,00 €/pc.</b> |
|    | <b>BPD55 Blisterpack dimming</b>   | Blisterpack dimming                | EAN 4010312317839 | <b>138,50 €/pc.</b> |
|    | <b>BPS55 Blisterpack switching</b> | Blisterpack switching              | EAN 4010312317846 | <b>117,00 €/pc.</b> |
|  | <b>BPB Blisterpack shading</b>     | Blisterpack shading                | EAN 4010312316979 | <b>125,40 €/pc.</b> |
|  | <b>BPB55 Blisterpack shading</b>   | Blisterpack shading                | EAN 4010312317822 | <b>125,40 €/pc.</b> |
|  | <b>STS14</b>                       | Jumpers                            | EAN 4010312314975 | <b>6,10 €/pc.</b>   |
|  | <b>WP50</b>                        | WET.PROTECT e.nautic 50ml          | EAN 4010312907306 | <b>21,10 €/pc.</b>  |
|  | <b>FPP12</b>                       | Wireless Powernet phase coupler    | EAN 4010312311769 | <b>25,40 €/pc.</b>  |
|  | <b>APPModule</b>                   | Multimedia (sonos) EnOcean gateway | EAN 4010312318270 | <b>350,80 €/pc.</b> |
|  | <b>IP-Cam</b>                      | IP camera with motion detector     | EAN 4010312319031 | <b>165,00 €/pc.</b> |
|  | <b>FMP3</b>                        | Wireless MP3 player                | EAN 4010312317853 | <b>138,30 €/pc.</b> |
|  | <b>KNX ENO 626</b>                 | EnOcean KNX gateway                | EAN 4010312318911 | <b>267,80 €/pc.</b> |

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|    | <b>KNX ENO 632</b>   | EnOcean KNX gateway                                                         | EAN 4010312315361 | <b>389,00 €/pc.</b> |
|    | <b>KNX ENO 636</b>   | EnOcean KNX gateway                                                         | EAN 4010312318904 | <b>440,40 €/pc.</b> |
|    | <b>P10 Probare</b>   | portable wireless level meter                                               | EAN 4010312317068 | <b>111,60 €/pc.</b> |
|    | <b>FTE210</b>        | Wireless pushbutton insert with EnOcean energy generator                    | EAN 4010312318546 | <b>29,20 €/pc.</b>  |
|    | <b>FTE215</b>        | Wireless pushbutton insert with EnOcean energy generator                    | EAN 4010312318539 | <b>33,20 €/pc.</b>  |
|    | <b>FTE215BLE</b>     | Wireless pushbutton insert with EnOcean energy generator                    | EAN 4010312318553 | <b>35,20 €/pc.</b>  |
|  | <b>FRP61-230V</b>    | 1 and 2 level wireless repeater                                             | EAN 4010312300251 | <b>53,70 €/pc.</b>  |
|  | <b>FSRP-230V</b>     | 1 and 2 level wireless socket repeater                                      | EAN 4010312314999 | <b>90,30 €/pc.</b>  |
|  | <b>FRP70-230V</b>    | 1 and 2 level wireless repeater with small antenna                          | EAN 4010312306482 | <b>94,20 €/pc.</b>  |
|  | <b>FRP65/230V-wg</b> | 2 level wireless repeater, pure white glossy                                | EAN 4010312315927 | <b>72,90 €/pc.</b>  |
|  | <b>FARP60-230V</b>   | Outside wireless repeater 1 and 2 levels                                    | EAN 4010312310137 | <b>69,70 €/pc.</b>  |
|  | <b>FSM60B</b>        | Wireless transmitter module with batteries for water sensor and pushbuttons | EAN 4010312316092 | <b>90,60 €/St.</b>  |
|  | <b>FASM60-UC</b>     | Wireless outdoor transmitter module UC                                      | EAN 4010312311998 | <b>66,90 €/pc.</b>  |
|  | <b>FA250</b>         | Wireless antenna with 250cm cable, black                                    | EAN 4010312300244 | <b>21,10 €/pc.</b>  |
|  | <b>FA250-gw</b>      | Wireless antenna with 250cm cable, grey white                               | EAN 4010312317051 | <b>21,10 €/pc.</b>  |

|                                                                                     |                         |                                                            |                   |                    |
|-------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------|-------------------|--------------------|
|     | <b>FHM175</b>           | HF ground for the HF wireless antenna FA250                | EAN 4010312313121 | <b>64,60 €/pc.</b> |
|                                                                                     | <b>FA200</b>            | High-performance receive antenna with 200 cm cable         | EAN 4010312303306 | <b>68,50 €/pc.</b> |
|    | <b>FAV5</b>             | Antenna extension 5 m                                      | EAN 4010312302897 | <b>27,70 €/pc.</b> |
|    | <b>FAV10</b>            | Antenna extension 10 m                                     | EAN 4010312302903 | <b>34,70 €/pc.</b> |
|    | <b>FAG65-wg</b>         | Wireless antenna in the housing, pure white glossy         | EAN 4010312315910 | <b>32,70 €/pc.</b> |
|    | <b>K81 surface cap</b>  | Surface cap for series 81, l x w x h = 60x60x37 mm.        | EAN 4010312901236 | <b>4,70 €/pc.</b>  |
|   | <b>K9 surface cap</b>   | Surface cap for series 91, l x w x h = 60x60x35 mm.        | EAN 4010312900734 | <b>2,10 €/pc.</b>  |
|  | <b>DS12</b>             | Spacer                                                     | EAN 4010312900987 | <b>1,00 €/pc.</b>  |
|  | <b>ST12-16A</b>         | Socket outlet 16A/250V AC                                  | EAN 4010312700358 | <b>18,10 €/pc.</b> |
|  | <b>PK18 sealing cap</b> | Sealing cap for all sealable 1 PU DIN rail-mounted devices | EAN 4010312901403 | <b>1,00 €/pc.</b>  |
|  | <b>S+D 25</b>           | Screws and rawl plugs                                      | EAN 4010312906231 | <b>5,00 €/pc.</b>  |
|  | <b>RC12-230V</b>        | Triple RC module                                           | EAN 4010312201596 | <b>31,70 €/pc.</b> |
|  | <b>GBA12</b>            | Housing for operating instructions                         | EAN 4010312901779 | <b>2,10 €/pc.</b>  |
|  | <b>GBA14</b>            | Housing for operating instructions, white-blue             | EAN 4010312906422 | <b>2,10 €/pc.</b>  |





It is not only a vision to establish the Eltako Wireless Building as a standard installation in residential buildings in Europe. We have followed this path and will also continue it consistently.

Of course only by working together with you, the electrical installer!

# The future of electrical installations

in residential buildings

Scan the QR code: Here is the  
**Operating manual for Series 14**  
**RS485 bus DIN rail mounted devices**



The Wireless Building has its own laws which we understand better every day. We want to share this knowledge with you so that we smoothly learn to install this technology.

#### 01 planning of range

The precise planning of the transmission path is prerequisite for a properly operating system.

#### 02 maintenance

Due to the batteryless EnOcean technology the system is very low-maintenance. Substantial costs and maintenance effort can be saved.

#### 03 encoding

Absolute security and safety – due to the encoded signal transmission of the wireless building.

#### 04 price and costs

It's amazing but the costs for a wireless installation are comparable with a conventional standard installation – with increased comfort!

01

02



03

04



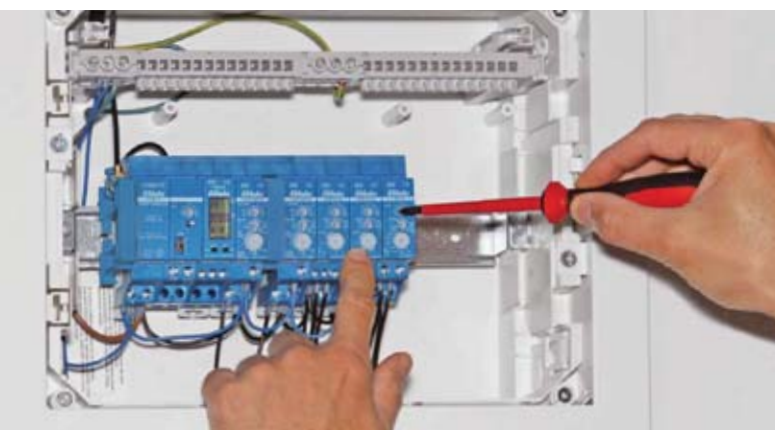
The transmission power and transmission frequency of the Wireless Building in the 868 MHz band are limited, so there is little wireless traffic in this band. Our sensors and actuators only transmit wireless telegrams if this is really necessary. The batteryless or wireless sensors can do this in any case only when needed. The transmission power of Eltako Wireless Building is only about 0.01 watts, the transmission power of a smartphone however 0.25 to about 1 watt!

In fact, you can install a reliable, inexpensive, safe and comfortable Wireless Building with 868 MHz sensors and actuators.

The **range** has to be paid attention to when it comes to planning and implementation.

In addition, the Wireless Building has to be made sustainable for the future. Electronics does not live forever and their **maintenance** must therefore simply be unconditionally. If needed the Wireless Building has to have a standard **encoding** to prevent unwanted external access. All this, of course, to a relatively attractive price.

These four factors – **range, maintenance, encoding and price** – largely determine the type of installation of the Wireless Building.



05

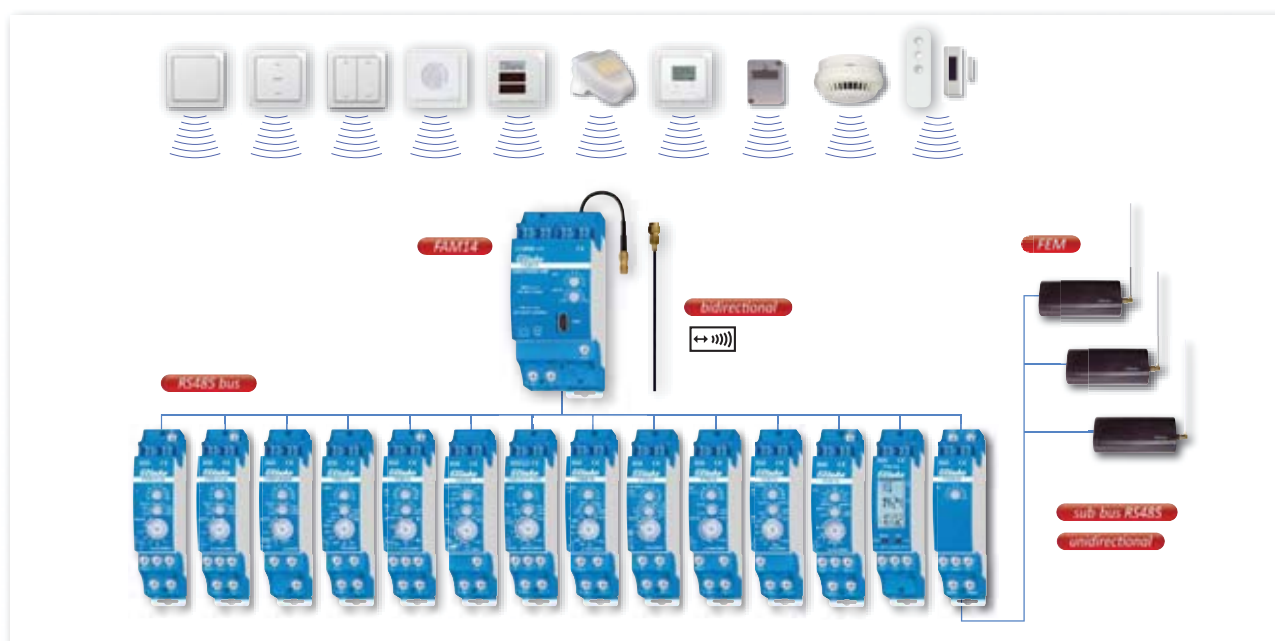
For the sustainable Wireless Building actuators should be installed as modular devices in distribution cabinets – regardless of the nature and use of the building.

The decentralised mounting of the actuators in wall-in boxes has its own charm but should be limited to retrofitting and simple renovation

because of the complicated maintenance and higher costs. It would not be acceptable in the future to look for many built-in devices in a building at the end of their lives, to remove panels and to teach-in replacement items. In addition, each in-wall actuator has its own expensive wireless unit which also requires expensive storage for the encoding.

Actuators for wall-in boxes should be mounted behind the switches so they are easily replaceable. Not hidden, for example, in roller shutters.

However the distribution cabinets are always accessible. A backup of the programmed functions and an uploading in exchanged actuators will be part of the new modular series 14 with an USB connection and a software tool. In addition functions can be realised which are not possible for in-wall actuators due to space reasons. The wireless unit including encoding is only available once in the wireless antenna module. That's why RS485-bus connected actuators are cheaper than the built-in devices. Energy meters are also very easy to integrate over the RS485 bus, even if they are on a different floor.



06





The classical one-family house with basement, ground and top floor allows many installation methods of the actuators as modular units.



The new series 14 is so flexible that any electrician can retain his familiar and proven method of installation.

#### 05 centralised mounting

In the centralised mounting the actuators will be installed in a sub-distribution cabinet and a RS485 bus will be built. The consumers will be controlled centrally from the sub-distributor. The picture shows the 14 series with jumpers instead of cross wiring.

#### 06 RS485 bus rail-mounted devices

The new Series 14 is bidirectional, so it can send and receive. A sub-bus with additional antenna modules can be added at any time.

Important is the arrangement of the antennas and/or repeater. The wireless antenna module FAM14 is conveniently centrally installed in the building. The bi-directional wired Eltako RS485 bus connects this antenna module with all actors. It does not matter where they are. Either all together in a distribution or spread over several sub-distributions.

The actuators are connected with simple plug-in bridges regarding bus and power supply.

A standard shielded 4-conductor telephone cable is enough for a bus to connect multiple distributions.

Over a RS485-sub-bus up to three additional antennas can be arranged in the building so that the reception of wireless sensor telegrams is guaranteed everywhere. In addition – or alternatively – repeaters can be used which do not require a bus connection.



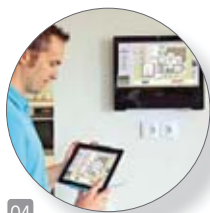
01



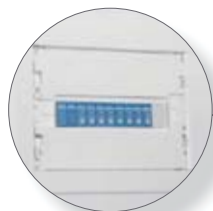
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03



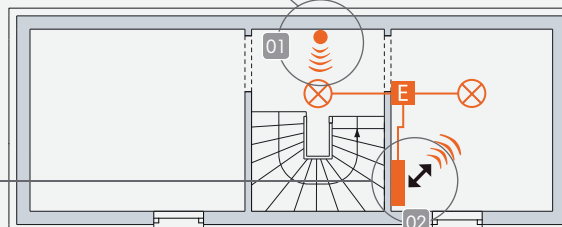
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05

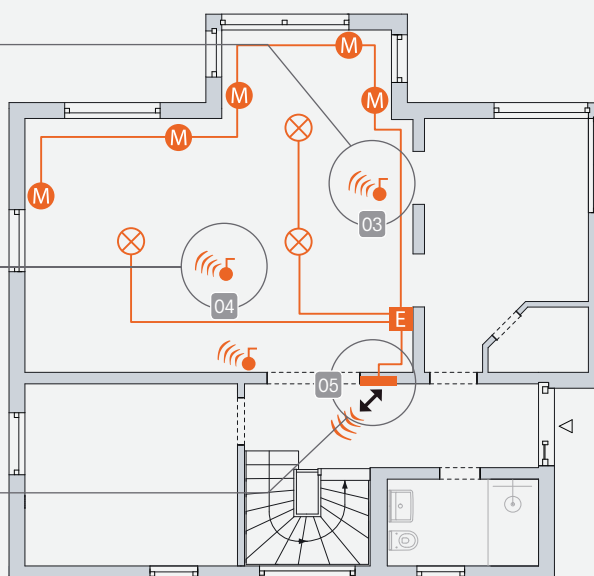
#### basement floor plan

basement with a centralised sub-distributor.



#### ground floor floor plan

ground floor with a centralised sub-distributor.



**For the one-family house we recommend the mounting of the wireless actuators in a distribution cabinet or sub-distributor per floor.**

The bidirectional wireless antenna module FAM14 is located in the distributor on the ground floor at the ground floor actuators. The bus line of the Eltako RS485 bus is shielded with a normal telephone line to the distributor and also performed in the attic for distribution in the basement.

These sub-distributors are preferably directly above and below the basement distributor so that it's radioed as vertical as possible through the concrete ceiling when using repeaters.

The wireless antenna of the FAM connects the sensors of the basement and the attic with the RS485

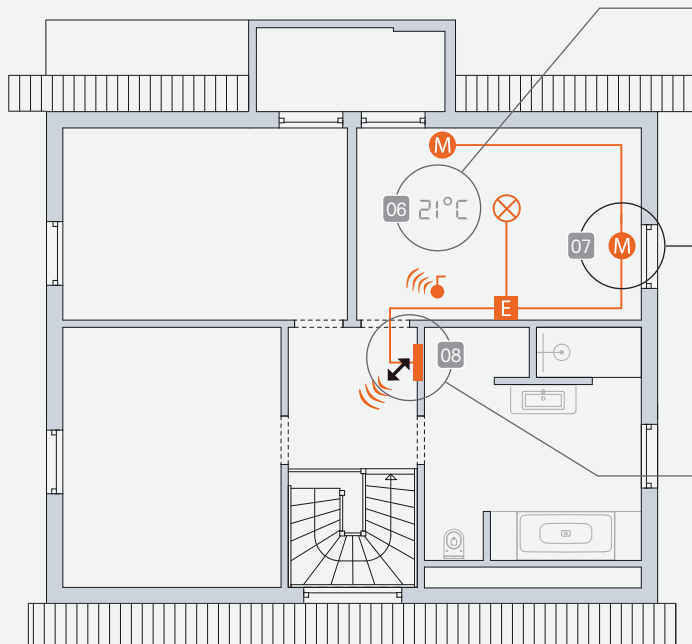
bus. Normally an external antenna is not required. If the range to the farthest sensors is not sufficient, repeaters are installed. One repeater each as a rail-mounted device in the distributors in the basement and the attic. And one repeater each on both sides of the longest diagonal of each floor, about midway between the distributor and the end of the diagonal. The repeaters on the diagonals of several stories should also be arranged vertically, so that an optimal wireless connection is guaranteed.

With this method of installation every wireless sensor telegram is received by a maximum of 2 times and forwarded - just as it should be.

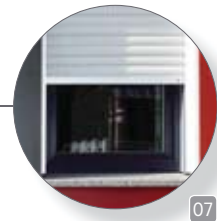
Repeaters are much cheaper than additional antennas to be sold into the downstream of a bus.

#### attic floor plan

upper floor with centralised sub-distributor.



- 01 motion detector
- 02 floor distributor in the basement including energy meter
- 03 wireless pushbutton
- 04 universal remote control + FVS-Home-Software
- 05 floor distributor ground floor
- 06 room temperature controller
- 07 roller shutter motor
- 08 floor distributor attic
- 09 remote control to the building via tablet or smartphone



Quite apart from the visibility and the installation costs of the antenna including special cable to the distributors. However the repeaters either disappear in the distributor or are mounted in-wall next to the box due to the power outlet.

### Use of wireless building visualisation and control software GFVS-4.0 with the computer SafeIV.

With a low cost gateway information from the FAM14 passed to the RS485 bus and the responds of bidirectional actuators are headed directly to the Smart Home control unit SafeIV. Likewise, manual or automated instructions from the GFVS are transferred into the bus.

### An apartment in an apartment house

The apartment corresponds to the ground floor of the one-family house and is therefore installed identical. If energy meters should be connected in the basement, it is possible at any time via a powernet connection.

In new constructions we recommend a conduit for an RS485 bus line in addition to the energy meters.



# Eltako Smart Home Professional

## Reference list for Germany



### 1 Asslar – Centre for Elderly Care

- Lighting control (incl. automated)
- Remote access by tablet
- 273 sensors and actuators incl. GFVS Safe software with BSC-BAP and DALI/EnOcean control

### 2 Berlin – Child day care centre

- Heating control
- 44 sensors and actuators

### 3 Berlin – Tax Office

- Refurbishment of old buildings
- 652 sensors and actuators

### 4 Bonn – Students' residence

- DALI
- Hall lighting
- 8 actuators
- Panel control

### 5 Coesfeld – Coesfeld fire brigade

- Shading system control incl. central control and weather data evaluation
- 29 sensors and actuators

### 6 Dortmund – DASA Working World Exhibition

- Lighting control and dimmers
- incl. GFVS 3.0 software
- 70 sensors and actuators + 2x GFVS-Touch



**7 Dresden – Hotel am blauen Wunder**

- Blinds control
- 24 sensors and actuators

**8 Düsseldorf – Freeman tavern**

- Lighting
- Shading
- Window control
- Heating control
- 106 sensors and actuators incl. Smart Home central unit GFVS-Safe II and weather data evaluation

**9 Europa – WeberHaus homes**

- Home Series Generation 5.0
- Equipment package Installation with wireless
- Min. 33 sensors and actuators per house (basic equipment) With GFVS-Home software

**10 Fulda – Detached house**

- Lighting
- Shading
- Gate control
- Pond control
- Weather data evaluation incl. GFVS software
- 40 sensors and actuators incl. Smart Home central unit GFVS-Safe II and weather data evaluation

**11 Gescher – Garden lighting**

- Lighting control with scenes
- 14 sensors and actuators

**12 Hamminkeln – BZ Bauelemente DIY centre**

- Lighting control
- Shading
- Gate surveillance
- Meter data evaluation
- Weather data evaluation
- 29 sensors and actuators GFVS Touch Server

## Eltako Smart Home Professional Reference list for Germany



- 13 Heinsberg – Detached house**
- GFVS software with external access by smartphone
  - Weather data evaluation
  - 27 sensors and actuators with GFVS-Home software, GFVS-Safe software and GFVS Clients

- 14 Heist – office building**
- Lighting control
  - Shading system control
  - remote control
  - Heating control
  - 60 sensors and actuators

- 15 Cologne – Grundy UFA TV Produktions GmbH film studios**
- Remote control and dimming of floodlights
  - 29 sensors and actuators

- 16 State of Brandenburg – Mittelbrandenburgische Sparkasse (bank)**
- Lighting control
  - 103 sensors and actuators

- 17 Mönchengladbach – Wanlo church**
- Light scene control
  - Time and central functions
  - Wireless remote control
  - 52 sensors and actuators GFVS Touch Server

- 18 Oberhausen – KITEV (Kultur im Turm eV.)**
- Lighting control
  - Single room control
  - Meter
  - 106 sensors and actuators



**19 Sankt Augustin –  
Fraunhofer Institute**

- Window monitoring
- Heating control
- Daylight control
- Energy metering
- Control by GFVS software
- 50 sensors and actuators with GFVS-Home software

**20 Saarlouis – Museum  
Kaserne 6**

- Lighting control incl. dimmers
- 110 sensors and actuators With GFVS-Professional software

**21 Steinfurt – new building for  
Zweiradcenter Steinfurt**

- Sensor-controlled lighting
- Electrically controlled dormer window ventilation
- Camera integration for security and remote access
- 24 sensors and actuators incl. GFVS-Safe and 5x IP cameras

**22 Walldorf – Hotel  
Holiday Inn**

- Lighting control
- 240 sensors and actuators

**23 Wesel – large car park  
and small storage  
buildings**

- Meter readout by wireless
- Power management
- Three-phase and single-phase electricity meter
- With GFVS-Energy software

**24 Wesel – Kawohl Verlag**

- Lighting
- Shading
- Heating control
- Outdoor lighting
- Central functions
- 60 sensors and actuators incl. Smart Home central unit GFVS-Safe IV
- IP gateways





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