TAP-RADIO®
THE PROFESSIONAL SMART HOME WIRELESS SYSTEM WITH ENOCEAN TECHNOLOGY
ACTUATORS, ACTIVE AND PASSIVE SENSORS AND THE SMART HOME CONTROL UNITS

CATALOGUE 2020
Visit us online at tap-radio.com
There you will find the complete information about the Eltako tap-radio and the devices.
THE PROFESSIONAL SMART HOME WIRELESS SYSTEM WITH ENOCEAN TECHNOLOGY

Dimming actuators for lights, switch lighting, shading elements and signal generators
We produce tap-radio® actuators for installation in sockets or switch boxes.

Active wireless sensors
Wireless sensors which independently test their ambient values and send wireless telegrams automatically are referred to as active sensors. The tested ambient values may include brightness, temperature or air humidity.
Testing and sending are either continuous or at defined intervals to save energy when battery powered.

Passive wireless sensors
Wireless sensors which only send wireless telegrams when triggered manually are referred to as passive sensors which are mainly wireless pushbuttons, hand held transmitters and remote controls.

Smart Home control units
Sensors and actuators are directly interconnected by teaching in with tap-radio technology. If additional connections, visualisations and smartphone controls are set up, they required a Smart Home control unit.
We offer you a full range comprising the MiniSafe, MiniSafe REG and wibutler WP.

Blister packs and accessories
Blister packs are an easy entry to Tap-radio.

The tap-radio® devices are divided in two groups:
the private series and the professional series.
Operating the socket actuators of the private series is intuitive and as end-users you even have a multitude of options to control your electrical system at home.
All actuators are perfectly specialised for their tasks that a single pushbutton can be taught in a number of different functions only by simple tapping – conveniently and without any rotary switches, thanks to the tap-radio® technology.
You want to extend your tap-radio® system with the professional series? After having an electrician installed the original system, you can teach in new pushbuttons, window contacts, motion detectors and humidity temperature sensors in existing tap-radio® actuators without any manual intervention in the flush-mounted box.
The Eltako tap-radio® system leaves nothing to be desired when it comes to building automation systems. If a MiniSafe or wibutler pro is installed as a Smart Home control unit, the entire system can be controlled by its app via your smartphone or tablet.
After plugging in the adapter plug actuator into the socket or connecting the tap-radio® actuator and switching on the power supply, wireless pushbuttons can be taught in the appropriate actuator within two minutes for each pushbutton by tapping the pushbutton.

Light, dimming and Venetian blind actuators: tap briefly 3 times for use as an universal pushbutton, 4 times briefly for use as a direction pushbutton, 5 times briefly for use as a central control pushbutton On, 6 times briefly for use as a central control pushbutton Off. Every teach-in and start/end of teach-in mode is confirmed by short flashing or flickering, if a lamp or a motor is connected. If no action occurs for two minutes, the teach-in mode ends automatically.

On tap-radio® actuators manufactured after production week 27/2016, locking is carried out automatically after a period of two minutes, if at least one pushbutton was not taught in as a central control pushbutton.

At older tap-radio devices, you should lock the teach-in mode by tapping 3 times short + 1 time long (>2 seconds) when you are finished with the teaching-in procedure, after that you can teach-in the next tap-radio actuator without interfering on the first one.

If you want to change the taught in device later or teach in other sensors, you can unlock the teach-in mode: tap briefly 4 times short and once long (>2 seconds) with a taught-in wireless pushbutton (not a central control pushbutton).

The wireless dimmers are universal dimming actuators in the factory setting and they dim depending on the connected load with leading or trailing edge. With some LED lamps, the dimming function improves when dimming takes place with leading edge dimming. Leading edge dimming is defined by tapping 5 times briefly and once long (>2 seconds). The factory setting is reset by tapping 6 times briefly and once long (>2 seconds).

The TF-FKE window contacts and wireless pushbuttons are also taught in into the TF61R-230V relay actuator by briefly tapping the contact 3 times to generate an NO contact or briefly tapping the contact 4 times to generate an NC contact. TF-FKB window contacts are taught in by their magnets: tapping 3 times briefly to generate an NO contact or tapping 4 times briefly to generate an NC contact. Tap-radio® temperature controllers TF-TRHB are taught-in via an internal button. Blocking and unblocking as for the other actuators.

Virtual pushbuttons from the GFVS software are taught-in by special wireless telegrams.

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<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
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<td>4 x</td>
<td>x</td>
<td>-</td>
<td>-</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
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<td>5 x</td>
<td>x</td>
<td>-</td>
<td>-</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Central off/down</td>
<td>6 x</td>
<td>x</td>
<td>-</td>
<td>-</td>
<td>x</td>
<td>x</td>
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</tr>
<tr>
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<td>3 x</td>
<td>-</td>
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<td>-</td>
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<td>-</td>
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<tr>
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<td>1 x</td>
<td>x</td>
<td>-</td>
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<td>x</td>
<td>x</td>
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<td>GFVS</td>
<td>1 x</td>
<td>x</td>
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<td>x</td>
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<td>5 x briefly 1 x long</td>
<td>-</td>
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<td>-</td>
<td>x</td>
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<tr>
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<td>6 x briefly 1 x long</td>
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<td>-</td>
<td>-</td>
<td>x</td>
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<tr>
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<td>x</td>
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<td>x</td>
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<td>x</td>
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<td>Clear content</td>
<td>8 x briefly 1 x long</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
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The Eltako wireless system works with the reliable and world-wide standardized EnOcean wireless technology in 868 MHz. It transmits ultra short and interference-proof signals with a range of up to 100 meters in halls.

Eltako wireless pushbuttons reduce the electrosmog load since they emit high-frequency waves that are 100 times weaker than conventional light switches. There is also a significant reduction in low-frequency alternating fields since fewer power cables need to be installed in the building.
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Technical data tap-radio® switching actuators and dimming actuators
Activation telegrams from the GFVS software
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TF100L-230V

Wireless light actuator adapter 10 A/250 V AC. 100 x 55 x 45 mm (measurements without plug), pure white. Impulse switch with NO contact. 230 V incandescent lamps and halogen lamps 1000 W, ESL and 230 V LED lamps up to 200 W. Standby loss only 0.8 watt. Smart Home actuator.

Adapter for German fused safety sockets with increased shock protection.
Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons as well as motion sensors FB65B, FB55B, FBH65SB and FBH55SB can be taught in.

TF100SSR-230V

Wireless light actuator adapter, noiseless solid state relay 400 watts. 100 x 55 x 45 mm (measurements without plug), pure white. Standby loss only 0.7 watt. Smart Home actuator.

Adapter for German fused safety sockets with increased shock protection.
Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons as well as motion sensors FB65B, FB55B, FBH65SB and FBH55SB can be taught in.
WIRELESS ACTUATORS FOR LIGHT DIMMING, LIGHT AND SHADING ELEMENTS AS WELL AS RELAIS

**TF100D-230V**

Wireless universal dimming actuator adapter. 100 x 55 x 45 mm (measurements without plug), pure white. With power MOSFET. 230 V incandescent lamps and halogen lamps up to 300 W, 230 V LEDs up to 100 W. No inductive (wound) transformers. With children's rooms and snooze function. No minimum load. Standby loss only 0.7 watt. Smart Home actuator.

Adapter for German fused safety sockets with increased shock protection.

Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons as well as motion sensors FB65B, FB55B, FBH65SB and FBH55SB can be taught in.

During teach-in, the dimming actuator can be set to phase control to permit optimum dimming for various LED lamps.

**TF100D-230V** Wireless universal dimming actuator adapter  
EAN 4010312317020  
84,20 €/pc.

**TF100A-230V**

Wireless signal generator adapter 10 A/250 V AC. 100 x 55 x 45 mm (measurements without plug), pure white. In addition to an internal acoustic signal generator for a minimum volume of 80 dB, a plug-connected load flashes. 230 V incandescent lamps and halogen lamps 1000 W, ESL and 230 V LED lamps up to 200 W. Standby loss only 0.8 watt. Smart Home actuator.

Adapter for German fused safety sockets with increased shock protection.

Using easy tap-radio® technology, up to 24 wireless pushbuttons, wireless window contacts as well as motion sensors FB65B, FB55B, FBH65SB and FBH55SB can be taught in.

The acoustic signal generator can be deactivated.

**TF100A-230V** Wireless signal generator adapter  
EAN 4010312317143  
70,20 €/pc.

Recommended retail prices excluding VAT.
WIRELESS ACTUATORS FOR LIGHT DIMMING, LIGHT AND SHADING ELEMENTS AS WELL AS RELAIS

TF61L-230V
Wireless light actuator 10 A/250 V AC, 45 x 45 x 18 mm. Impulse switch with NO contact, not potential free. 230 V incandescent lamps and halogen lamps 1000 W, ESL and 230 V LED lamps up to 200 W. Standby loss only 0.8 watt. Smart Home actuator.

Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons as well as motion sensors FB65B, FB55B, FBH65SB and FBH55SB can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp.

| TF61L-230V | Wireless light actuator | EAN 4010312316993 | 51,10 €/pc. |

TF61D-230V
Wireless universal dimming actuator 45 x 45 x 33 mm. With power MOSFET. 230 V incandescent lamps and halogen lamps up to 300 W, 230 V LEDs up to 100 W. No inductive (wound) transformers. With children’s rooms and snooze function. No minimum load. Standby loss only 0.7 watt. Smart Home actuator.

Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons as well as motion sensors FB65B, FB55B, FBH65SB and FBH55SB can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp. During teach-in, the dimming actuator can be set to phase control to permit optimum dimming for various LED lamps.


TF61J-230V
Wireless shading element and roller shutter actuator 1+1 NO contact 4 A/250 V AC for a shading element motor. 45 x 45 x 18 mm. Standby loss only 0.8 watt. Smart Home actuator.

Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp.

| TF61J-230V | Wireless shading element actuator | EAN 4010312317037 | 54,80 €/pc. |

TF61R-230V
Wireless relay actuator 10 A/250 V AC, 45 x 45 x 18 mm. 1 NO contact or NC contact, not potential free. Standby loss only 0.8 watt. Smart Home actuator.

Using easy tap-radio® technology, up to 24 wireless pushbuttons and wireless window contacts can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp. During teach-in, the contact function in idle state can be defined as NO contact or NC contact. Closes the contact with at least one open window; it can then activate extraction hoods etc. or generate an alarm. Opens the contact with at least one open window: it can then switch off heaters or air conditioners.

| TF61R-230V | Wireless relay actuator | EAN 4010312317082 | 51,10 €/pc. |

Recommended retail prices excluding VAT.
ACTIVE WIRELESS SENSORS

FHD60SB

Wireless brightness twilight sensor pure white with solar cell and battery (lifetime 5-8 years). LxBxH: 60 x 46 x 30 mm. Actuators can cover the range from 0 to 50 Lux using the twilight switch function. Smart Home sensor.

The electronic requires no intrinsic power supply, so there is no standby loss. The wireless brightness twilight sensor powered by a solar module and a button cell CR2032 covers the range from 0 to 30,000 Lux. From approx. 300 Lux, it transmits a wireless telegram every time there is a brightness change of more than approx. 500 Lux within approx. 10 seconds. If the brightness does not change, a control signal is sent approx. every 100 seconds.

Actuators TF61R, TF61L, TF61D, FTA65L, FTA65D, FTA55D, TF100L and TF100D can cover the range from 0 to approx. 50 Lux using the twilight switch function.

A wireless telegram is sent about every 100 seconds within this range.

When the saved threshold value is undershot (0 to approx. 50 lux), the sensor sends an ‘ON telegram’ three times at intervals of 10 seconds. When brightness reaches approx. 500 lux, an ‘OFF telegram’ is sent 3 times at intervals of 10 seconds. The allowable ambient temperature is -20°C to +55°C.

Protection class IP54.

For screw mounting or attachment with adhesive. The scope of supply comprises an adhesive foil and a set of screws and rawl plugs.

| FHD60SB | Wireless brightness twilight sensor, pure white | EAN 4010312320952 | 64,90 €/pc. |

FBH65SB-wg

Wireless motion/brightness sensor pure white glossy for single mounting 84 x 84 x 27 mm or mounting into the E-Design65 switching system. With solar cells and battery (lifetime 4-5 years). Smart Home sensor.

The factory setting switches off taught-in light actuators and dimming actuators automatically if no motion is detected for 5 minutes. Switch-on is by means of the light pushbutton.

Place a jumper in ‘active’ position to enable automatic motion-dependent switch-on. The brightness threshold at which the sensor sends a Motion telegram is set by a potentiometer.

The holding plate can be screwed to a flat surface or affixed to the ceiling or wall using the enclosed adhesive foil.

We recommend stainless-steel countersunk 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. An adhesive foil and a set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed. The wireless sensor can be taught-in into the tap-radio® actuators TF61L, TF61D, FTA65L, FTA65D, FTA55L, FTA55D, TF100L and TF100D.

| FBH65SB-wg | Wireless motion/brightness sensor, pure white glossy | EAN 4010312317914 | 88,30 €/pc. |
FBH55SB-wg

Wireless motion/brightness sensor pure white glossy for single mounting 80 x 80 x 27 mm or mounting into the E-Design55 switching system. With solar cells and battery (lifetime 4-5 years). Smart Home sensor.

The factory setting switches off taught-in light actuators and dimming actuators automatically if no motion is detected for 5 minutes. Switch-on is by means of the light pushbutton. Place a jumper in ‘active’ position to enable automatic motion-dependent switch-on. The brightness threshold at which the sensor sends a Motion telegram is set by a potentiometer. The holding plate can be screwed to a flat surface or affixed to the ceiling or wall using the enclosed adhesive foil. We recommend stainless-steel countersunk 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. An adhesive foil and a set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed. The wireless sensor can be taught-in into the tap-radio® actuators TF61L, TF61D, FTA65L, FTA65D, FTA55L, FTA55D, TF100L and TF100D.

| FBH55SB-wg | Wireless motion/brightness sensor, pure white glossy | EAN 4010312318355 | 88,30 €/pc. |

FB65B-wg

Wireless motion sensor pure white glossy for surface mounting 84 x 84 x 27 mm or mounting into the E-Design65 switching system. With battery (lifetime 3 years). Smart Home Sensor.

The factory setting switches off taught-in light actuators and dimming actuators automatically if no motion is detected for 5 minutes. Switch-on is by means of the light pushbutton. Place a jumper in ‘active’ position to enable automatic motion-dependent switch-on. We recommend stainless-steel countersunk 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. An adhesive foil and a set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed. The wireless sensor can be taught-in into the tap-radio® actuators TF61L, TF61D, FTA65L, FTA65D, FTA55L, FTA55D, TF100L and TF100D.

| FB65B-wg | Wireless motion sensor, pure white glossy | EAN 4010312317570 | 73,60 €/pc. |
ACTIVE WIRELESS SENSORS

**FB55B-wg**

Wireless motion sensor pure white glossy for surface mounting 80 x 80 x 27 mm or mounting into the E-Design55 switching system. With battery (lifetime 3 years). Smart Home Sensor.

The factory setting switches off taught-in light actuators and dimming actuators automatically if no motion is detected for 5 minutes. Switch-on is by means of the light pushbutton.

Place a jumper in 'active' position to enable automatic motion-dependent switch-on.

We recommend stainless-steel countersunk 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. An adhesive foil and a set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed.

The wireless sensor can be taught-in into the tap-radio® actuators TF61L, TF61D, FTA65L, FTA65D, FTA55L, FTA55D, TF100L and TF100D.

| FB55B-wg | Wireless motion sensor, pure white glossy | EAN 4010312321003 | 73,60 €/pc. |

**FFT65B-wg**

Wireless humidity temperature sensor pure white glossy for single mounting 84 x 84 x 17 mm or mounting into the E-Design65 switching system. With battery (lifetime 5 years). Smart Home sensor.

The wireless humidity/temperature sensor measures constantly the relative humidity between 0 and 100% (±5%) and the temperature between -20 and +60°C (±0.5°C).

It sends a data telegram within 2 minutes if changed in the Eltako building radio. If there is no change, a status telegram is sent every 10 minutes.

According to the operating instructions this interval can be reduced to 1 resp. 5 minutes by changing the position of the jumper. Evaluation by actuator F2L14, the Smart Home central units MiniSafe, MiniSafe REG, Safe IV, Touch IV etc. with the Eltako Wireless Building app GFA4.

We recommend stainless-steel countersunk screws 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. Set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed.

| FFT65B-wg | Wireless humidity temperature sensor, pure white glossy | EAN 4010312317587 | 58,20 €/pc. |
ACTIVE WIRELESS SENSORS

**FFT55B-wg**

*Wireless humidity temperature sensor pure white glossy for single mounting 80 x 80 x 17 mm or mounting into the E-Design55 switching system. With battery (lifetime 5 years). Smart Home sensor.*

The wireless humidity/temperature sensor measures constantly the relative humidity between 0 and 100% (±5%) and the temperature between -20 and +60°C (±0.5°C).

It sends a data telegram within 2 minutes if changed in the Eltako building radio. If there is no change, a status telegram is sent every 10 minutes.

According to the operating instructions this interval can be reduced to 1 resp. 5 minutes by changing the position of the jumper. Evaluation by actuator F2L14, the Smart Home central units MiniSafe, MiniSafe REG, Safe IV, Touch IV etc. with the Eltako Wireless Building app GFA4.

We recommend stainless-steel countersunk screws 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. Set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed.

| FFT55B-wg | Wireless humidity temperature sensor, pure white glossy | EAN 4010312321010 | 58,20 €/pc. |

**FTFB-wg**

*Wireless temperature-humidity sensor, pure white glossy, 75 x 25 x 12 mm, with battery (lifetime 5 years). Smart Home sensor.*

The temperature humidity sensor measures constantly the relative humidity between 0 and 100% (±5%) and the temperature between -20°C and +60°C (±0.5°C). It sends a data telegram within 2 minutes if changed in the Eltako building radio.

If there is no change, a status telegram is sent every 10 minutes.

Adhesive foil mounting, an adhesive film is enclosed.

The electronics are powered by an internal button cell CR2032. To change only the housing needs to be opened. This is also required to activate the battery supply by pulling out an insulating strip.

On delivery, the EEPROM: A5-04-02 is active, the internal jumper is only on a pin. This jumper can be used on the EEPROM: A5-04-03 The housing must be opened and the jumper changed to both pins.

For teaching-in into a teachable actuator, the housing has to be opened and the inner button has to be pressed.

| FTFB-wg | Wireless temperature-humidity sensor, pure white glossy | EAN 4010312319147 | 59,90 €/pc. |

Recommended retail prices excluding VAT.
**ACTIVE WIRELESS SENSORS**

**FHMB-rw**

Wireless heat detector pure white with wireless emitter module in the base. Ø86 mm, 45 mm high. With solar cell and battery (lifetime 10 years). Smart Home sensor.

A heat alarm is indicated by a series of repeated sounds, the volume is at least 85 dB.

Operation is indicated by a red LED flashing every 48 seconds.

The power supply of the smoke alarm detector is made by an internal, non-interchangeable lithium battery for about 10 years. When the battery is at the end of its life, a short beep sound is produced. Then only the heat detector must be replaced. The power supply for the radio transmitter module is provided by a solar cell if sufficient brightness is present. In the delivery state, the battery is empty and must first be charged in daylight. If the room brightness is not sufficient for operation, a 3,6 V lithium battery 1/2 AA (not included) must be inserted.

The radio transmitter module sends an alarm telegram immediately to the Eltako wireless system. This is also done when the cover is pressed during the function test.

As soon as the alarm extinguishes, an alarm-end telegram is sent.

Approx. every 30 minutes a status message is sent.

To teach-in the smoke detector in a prepared actuator, the button on the radio emitter must be pressed.

Temperature at mounting location: -10°C to +50°C.

Installation in kitchens, smoking rooms and garages.

Functional check: Once a month, carry out a functional check and keep at least 50 cm away from the device since the alarm signal is loud!

By pressing the cover of the heat detector a sound will be emitted and the LED flashes twice red!

<table>
<thead>
<tr>
<th>EAN</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4010312321034</td>
<td>Wireless heat detector, pure white</td>
<td>109,20 €/pc.</td>
</tr>
</tbody>
</table>

**FRWB-rw**

Wireless smoke detector pure white with wireless emitter module in the base. Ø86 mm, 49 mm high. With solar cell and battery (lifetime 10 years). Smart Home sensor.

This smoke alarm works according to the photoelectric principle. A fire alarm is indicated by a series of repeated sounds, the volume is at least 85 dB.

Operation is indicated by a red LED flashing every 48 seconds.

The power supply of the smoke alarm detector is made by an internal, non-interchangeable lithium battery for about 10 years. When the battery is at the end of its life, a short beep sound is produced. Then only the smoke alarm must be replaced.

The power supply for the radio transmitter module is provided by a solar cell if sufficient brightness is present. In the delivery state, the battery is empty and must first be charged in daylight. If the room brightness is not sufficient for operation, a 3,6 V lithium battery 1/2 AA (not included) must be inserted.

The radio transmitter module sends an alarm telegram immediately to the Eltako wireless system. This is also done when the cover is pressed during the function test.

As soon as the alarm extinguishes, an alarm-end telegram is sent.

Approx. every 30 minutes a status message is sent.

To teach-in the smoke detector in a prepared actuator, the button on the radio emitter must be pressed.

Temperature at mounting location: +4°C to +38°C.

Installation in bedrooms, living rooms, store rooms, corridors and stairwells.

Functional check: Once a month, carry out a functional check and keep at least 50 cm away from the device since the alarm signal is loud!

By pressing the cover of the smoke detector a sound will be emitted and the LED flashes twice red!

<table>
<thead>
<tr>
<th>EAN</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4010312321027</td>
<td>Wireless smoke detector, pure white</td>
<td>105,30 €/pc.</td>
</tr>
</tbody>
</table>

Recommended retail prices excluding VAT.
**FLGTF65-wg**

Wireless air quality-temperature-humidity sensor, pure white glossy, for single mounting 84 x 84 x 17/33 mm or installation into the E-Design65 switching system. With LED display to signal room air quality. With additional alert tone. Power supply 230 V. Stand-by loss only 0.6 watt. Smart Home sensor.

The sensor measures all total volatile organic compounds (TVOC) in the air, temperature from -20°C to +60°C and humidity from 0 to 100%.

Every change in TVOC value or a change of 5% in humidity or a change in temperature by 0.6°C is signalled by wireless telegram to the Eltako wireless network within 30 seconds. If there is no change, a status telegram is sent every 10 minutes.

**Installation** in a 55 mm switch box: Screw on the mounting plate. Snap on the frame and plug in the front panel including the electronics. 230 V power supply wired to the terminals at the rear.

We recommend stainless steel countersunk head screws 2.9 x 25 mm, DIN 7982 C for screw connections. Either with rawl plugs 5 x 25 mm or on 55 mm switch boxes. Set of 2 stainless steel countersunk head screws 2.9 x 25 mm and 2 rawl plugs 5 x 25 mm is enclosed.

After switching on the power supply, 5 beeps sound and the LED first lights up green. After a few minutes, the LED colour changes depending on the room air quality: The LED **shines green** up to 220 ppb (<1 mg/m³) = **good room air quality**. The LED **shines yellow** from 221 ppb to 660 ppb = **medium room air quality**. We advise occasional airing. The LED **flashes red** as of 661 ppb (>3 mg/m³). Every 3 minutes, a 5-fold alert tone sounds = **poor room air quality. Prolonged airing required.**

After switching on the power supply, teach-in telegrams with two different IDs are sent, one for the TVOC sensor followed by one for the temperature/humidity sensor.

The LED indicates that a telegram is sent by flashing once. The actual temperature is only measured approx. 30 minutes after the power supply is switched on while the electronics undergo temperature compensation.

| FLGTF65-wg | Wireless air quality-temperature-humidity sensor, pure white glossy | EAN 4010312311041 | 81,60 €/pc. |

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**FLGTF55-wg**

Wireless air quality-temperature-humidity sensor, pure white glossy, for single mounting 80 x 80 x 17/33 mm or installation into the E-Design55 switching system. With LED display to signal room air quality. With additional alert tone. Power supply 230 V. Stand-by loss only 0.6 watt. Smart Home sensor.

The sensor measures all total volatile organic compounds (TVOC) in the air, temperature from -20°C to +60°C and humidity from 0 to 100%.

Every change in TVOC value or a change of 5% in humidity or a change in temperature by 0.6°C is signalled by wireless telegram to the Eltako wireless network within 30 seconds. If there is no change, a status telegram is sent every 10 minutes.

**Installation** in a 55 mm switch box: Screw on the mounting plate. Snap on the frame and plug in the front panel including the electronics. 230 V power supply wired to the terminals at the rear.

We recommend stainless steel countersunk head screws 2.9 x 25 mm, DIN 7982 C for screw connections. Either with rawl plugs 5 x 25 mm or on 55 mm switch boxes. Set of 2 stainless steel countersunk head screws 2.9 x 25 mm and 2 rawl plugs 5 x 25 mm is enclosed.

After switching on the power supply, 5 beeps sound and the LED first lights up green. After a few minutes, the LED colour changes depending on the room air quality: The LED **shines green** up to 220 ppb (<1 mg/m³) = **good room air quality**. The LED **shines yellow** from 221 ppb to 660 ppb = **medium room air quality**. We advise occasional airing. The LED **flashes red** as of 661 ppb (>3 mg/m³). Every 3 minutes, a 5-fold alert tone sounds = **poor room air quality. Prolonged airing required.**

After switching on the power supply, teach-in telegrams with two different IDs are sent, one for the TVOC sensor followed by one for the temperature/humidity sensor.

The LED indicates that a telegram is sent by flashing once. The actual temperature is only measured approx. 30 minutes after the power supply is switched on while the electronics undergo temperature compensation.

| FLGTF55-wg | Wireless air quality-temperature-humidity sensor, pure white glossy | EAN 401031321058 | 81,60 €/pc. |
**FSU55D/230V-wg**

Wireless timer with display and with 8 channels pure white glossy for single mounting 80 x 80 x 14/33 mm or mounting into the E-Design55 switching system. With 'astro' function and solstice time changes. Illuminated display. Approx. 7 days power reserve. Supply voltage 230 V. Only 0.5 watt standby loss. Smart Home sensor.

Up to 60 timer memory locations are freely assigned to the channels. With date and automatic summer/winter time changeover.

**The timer is set using the MODE and SET buttons and the settings can be interlocked.**

If the settings have been locked, the buttons MODE and SET send pushbutton telegrams which can be taught-in in actuators.

**The display light is going on by pressing MODE or SET.**

20 seconds after you last press MODE or SET, the program returns automatically to normal display and the display light goes off.

**Mounting** over a 55 mm switch box. 14 mm over and 33 mm into the box. 230 V power supply terminals on the rear.

| FSU55D/230V-wg | Wireless timer with display, pure white glossy | EAN 4010312318010 | 77.10 €/pc.

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**FSU65D/230V-wg**

Wireless timer with display and with 8 channels pure white glossy for single mounting 84 x 84 x 14/33 mm or mounting into the E-Design65 switching system. With 'astro' function and solstice time changes. Illuminated display. Approx. 7 days power reserve. Power supply 230 V.

Up to 60 timer memory locations are freely assigned to the channels. With date and automatic summer/winter time changeover.

**The timer is set using the MODE and SET buttons and the settings can be interlocked.**

If the settings have been locked, the buttons MODE and SET send pushbutton telegrams which can be taught-in in actuators.

**The display light is going on by pressing MODE or SET.**

20 seconds after you last press MODE or SET, the program returns automatically to normal display and the display light goes off.

**Mounting** over a 55 mm switch box. 14 mm over and 33 mm into the box. 230 V power supply terminals on the rear.

| FSU65D/230V-wg | Wireless timer with display, pure white glossy | EAN 4010312317709 | 77.10 €/pc.
**FTR65HB-wg**

Wireless temperature controller with hand wheel pure white glossy for single mounting 84 x 84 x 27 mm or mounting into the E-Design65 switching system. With battery (lifetime 4 years). Smart Home sensor.

The temperature controller can be taught-in into the relay actuator TF61R or the heating cooling actuator FHK and into the GFVS software. At a setpoint or current temperature change from min. 0,15°C, the temperature controller sends a wireless telegram within 60 seconds. If there is no change, a status message is sent every 5 minutes. A jumper defines the function mode. In the TF61 operating mode, only ON or OFF are sent, depending on the difference between setpoint and actual temperature. Measurement accuracy is approx. 1°C.

The setpoint temperature is set with the hand wheel from 12°C to 28°C. In the set position, the set temperature is 8°C (frost protection).

We recommend stainless-steel countersunk 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. Set of 2 stainless-steel countersunk screws 2,9 x 25 mm and plugs 5 x 25 mm are enclosed.

| FTR65HB-wg | Temperature controller with hand wheel, pure white glossy | EAN 4010312317594 | 68,80 €/pc. |

**FTR55HB-wg**

Wireless temperature controller with hand wheel pure white glossy for single mounting 80 x 80 x 27 mm or mounting into the E-Design55 switching system. With battery (lifetime 4 years). Smart Home sensor.

The temperature controller can be taught-in into the relay actuator TF61R or the heating cooling actuator FHK and into the GFVS software. At a setpoint or current temperature change from min. 0,15°C, the temperature controller sends a wireless telegram within 60 seconds. If there is no change, a status message is sent every 5 minutes. A jumper defines the function mode. In the TF61 operating mode, only ON or OFF are sent, depending on the difference between setpoint and actual temperature. Measurement accuracy is approx. 1°C.

The setpoint temperature is set with the hand wheel from 12°C to 28°C. In the set position, the set temperature is 8°C (frost protection).

We recommend stainless-steel countersunk 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. Set of 2 stainless-steel countersunk screws 2,9 x 25 mm and plugs 5 x 25 mm are enclosed.

| FTR55HB-wg | Temperature controller with hand wheel, pure white glossy | EAN 4010312317921 | 68,80 €/pc. |
**FTR65SB-wg**

Wireless temperature controller pure white glossy for single mounting 84 x 84 x 27 mm or mounting into the E-Design65 switching system. With solar cells and battery (lifetime 5 years). Smart Home sensor.

The temperature controller can be taught-in into the relay actuator TF61R or the heating cooling actuator FHK and into the GFVS software. At a setpoint or current temperature change from min. 0.15°C, the temperature controller sends a wireless telegram within 60 seconds.

If there is no change, a status message is sent every 5 minutes. A jumper defines the function mode. In the TF61 operating mode, only ON or OFF are sent, depending on the difference between setpoint and actual temperature. Measurement accuracy is approx. 1°C.

The **day reference temperature** that ranges from +12°C to +28°C is changed using the hand wheel. In the position the temperature control is off and the frost protection function activated. We recommend stainless-steel countersunk 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. Set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed.

| FTR65SB-wg | Wireless temperature controller, pure white glossy | EAN 4010312319178 | 73.80 €/pc. |

**FTR55SB-wg**

Wireless temperature controller pure white glossy for single mounting 80 x 80 x 27 mm or mounting into the E-Design55 switching system. With solar cells and battery (lifetime 5 years). Smart Home sensor.

The temperature controller can be taught-in into the relay actuator TF61R or the heating cooling actuator FHK and into the GFVS software. At a setpoint or current temperature change from min. 0.15°C, the temperature controller sends a wireless telegram within 60 seconds.

If there is no change, a status message is sent every 5 minutes. A jumper defines the function mode. In the TF61 operating mode, only ON or OFF are sent, depending on the difference between setpoint and actual temperature. Measurement accuracy is approx. 1°C.

The **day reference temperature** that ranges from +12°C to +28°C is changed using the hand wheel. In the position the temperature control is off and the frost protection function activated. We recommend stainless-steel countersunk 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. Set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed.

| FTR55B-wg | Wireless temperature controller, pure white glossy | EAN 4010312321065 | 73.80 €/pc. |
**FTR65DSB-wg**

Wireless temperature controller with display pure white glossy for single mounting 84 x 84 x 22 mm or mounting into the E-Design65 switching system. With solar cell and battery (lifetime 3-5 years). Smart Home sensor.

The sensor sends a message every 100 seconds to the Eltako wireless network at an actual temperature change of minimum 0.3°C. The bistable display is updated.

A change in reference temperature is sent immediately. The display is updated.

If there is no change, a status report is sent every 17 minutes.

Measurement accuracy is approx. 1°C.

**Installation:**

Screw on the holding plate including its electronics. Then snap on the frame, remove the battery insulation, and mount the cover panel together with the display and solar cells.

We recommend stainless-steel countersunk screws 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes.

Set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed.

**FTR55DSB-wg**

Wireless temperature controller with display pure white glossy for single mounting 80 x 80 x 22 mm or mounting into the E-Design55 switching system. With solar cell and battery (lifetime 3-5 years). Smart Home sensor.

The sensor sends a message every 100 seconds to the Eltako wireless network at an actual temperature change of minimum 0.3°C. The bistable display is updated.

A change in reference temperature is sent immediately. The display is updated.

If there is no change, a status report is sent every 17 minutes.

Measurement accuracy is approx. 1°C.

**Installation:**

Screw on the holding plate including its electronics. Then snap on the frame, remove the battery insulation, and mount the cover panel together with the display and solar cells.

We recommend stainless-steel countersunk screws 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes.

Set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>EAN</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTR65DSB-wg</td>
<td>Wireless temperature controller with display, pure white glossy</td>
<td>4010312319338</td>
<td>94.70 €/pc.</td>
</tr>
<tr>
<td>FTR55DSB-wg</td>
<td>Wireless temperature controller with display, pure white glossy</td>
<td>4010312319345</td>
<td>94.70 €/pc.</td>
</tr>
</tbody>
</table>
ACTIVE WIRELESS SENSORS

**FUTH65D/230V-wg**

Wireless clock thermo hygrostat with display pure white glossy for single mounting 84 x 84 x 14/33 mm or mounting into the E-Design65 switching system. With adjustable day and night reference temperatures and relative humidity. Illuminated display. Preset ready to operate. Approx. 7 days power reserve. Power supply 230 V. Only 0.5 watt standby loss. Smart Home sensor.

Up to 60 timer memory locations are freely assigned to the channels. With date and automatic summer/winter time changeover. The wireless clock thermo hygrostat sends a message to the Eltako wireless network every 50 seconds when there is an actual temperature change of minimum 0.3°C or a change in humidity of 5%. A change in reference temperature or relative humidity is sent immediately. If there is no change, a status report is sent every 10 minutes. Queries of a wireless small actuator FKS which are received approximately every 10 minutes will be answered immediately. A complete switching programme is preset and can be very easily changed. The factory setting for night temperature is 18°C. Mounting over a 55 mm switch box. 14 mm over and 33 mm into the box. 230 V power supply terminals on the rear.

| FUTH65D/230V-wg | Wireless clock thermo hygrostat with display, pure white glossy | EAN 4010312317693 | 81,90 €/pc. |

**FUTH55D/230V-wg**

Wireless clock thermo hygrostat with display pure white glossy for single mounting 80 x 80 x 14/33 mm or mounting into the E-Design55 switching system. With adjustable day and night reference temperatures and relative humidity. Illuminated display. Preset ready to operate. Approx. 7 days power reserve. Power supply 230 V. Only 0.5 watt standby loss. Smart Home sensor.

Up to 60 timer memory locations are freely assigned to the channels. With date and automatic summer/winter time changeover. The wireless clock thermo hygrostat sends a message to the Eltako wireless network every 50 seconds when there is an actual temperature change of minimum 0.3°C or a change in humidity of 5%. A change in reference temperature or relative humidity is sent immediately. If there is no change, a status report is sent every 10 minutes. Queries of a wireless small actuator FKS which are received approximately every 10 minutes will be answered immediately. A complete switching programme is preset and can be very easily changed. The factory setting for night temperature is 18°C. Mounting over a 55 mm switch box. 14 mm over and 33 mm into the box. 230 V power supply terminals on the rear.

| FUTH55D/230V-wg | Wireless clock thermo hygrostat with display, pure white glossy | EAN 4010312318003 | 81,90 €/pc. |

**FKS-H**

The wireless small actuator SmartDrive MX from Hora has a large display to set the setpoint. No connecting cable since it is battery-powered. Smart Home sensor.

Room temperature control for constant control in combination with the FUTH clock thermo-hygrostat or the Smart Home control unit.

Fitted to conventional radiator valves of many manufacturers. The actuator is powered by 2 alkaline AA Mignon batteries with a service life of up to 4 years. Energy-saving technologies and sophisticated mechanical devices ensure a very low energy consumption.

| FKS-H | Wireless small actuator | EAN 4010312321072 | 136,50 €/pc. |

Recommended retail prices excluding VAT.
PASSIVE WIRELESS SENSORS E-DESIGN65

**TF-1FT**

1-way wireless pushbutton pure white glossy for single mounting 84 x 84 x 16 mm or mounting into the E-Design65 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. Smart Home sensor.

Wireless pushbuttons with one rocker can send one evaluable signal. Press the bottom of the rocker near the mark.

The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

<table>
<thead>
<tr>
<th>TF-1FT</th>
<th>1-way wireless pushbutton, pure white glossy</th>
<th>EAN 4010312317198</th>
<th>31,40 €/St.</th>
</tr>
</thead>
</table>

**TF-2FT**

2-way wireless pushbutton pure white glossy for single mounting 84 x 84 x 16 mm or mounting into the E-Design65 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. Smart Home sensor.

The scope of supply comprises a rocker.

Wireless pushbuttons with one rocker can transmit two evaluable signals: press rocker up and press rocker down.

The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

<table>
<thead>
<tr>
<th>TF-2FT</th>
<th>2-way wireless pushbutton, pure white glossy</th>
<th>EAN 4010312320402</th>
<th>35,90 €/pc.</th>
</tr>
</thead>
</table>
**PASSIVE WIRELESS SENSORS E-DESIGN65**

**TF-4FT**

4-way wireless pushbutton pure white glossy for single mounting 84 x 84 x 16 mm or mounting into the E-Design65 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. Smart Home sensor.

The scope of supply comprises a double rocker.

Wireless pushbuttons with double rocker can transmit four evaluable signals: press two rockers up or down. The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

| TF-4FT | 4-way wireless pushbutton, pure white glossy | EAN 4010312317105 | 37.00 €/St. |

**TF-2ZT**

2-way wireless pushbutton pure white glossy for single mounting 84 x 84 x 16 mm or mounting into the E-Design65 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. With laser engraved rocker. Smart Home sensor.

Wireless pushbuttons with one rocker can transmit two evaluable signals: press rocker up and press rocker down.

The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

| TF-2ZT | 2-way central control pushbutton, pure white glossy | EAN 4010312318737 | 42.90 €/pc. |

Recommended retail prices excluding VAT.
PASSIVE WIRELESS SENSORS E-DESIGN65

F4PT-wg
4-way wireless pushbutton pure white glossy for single mounting 84 x 84 x 16 mm or mounting into the E-Design65 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. With laser engraved double rocker. Smart Home Sensor.

The mounting panel can only be screwed on a flat surface or fixed to the wall, on glass or furniture using the enclosed adhesive film. By means of a 55 mm switch box, use the sleeves for screw connection supplied in the socket.

F4PT-wg | 4-way profile pushbutton, pure white glossy | EAN 4010312317396 | 42,90 €/pc.

FDT65B-wg
1-way wireless rotary switch pure white glossy, for single mounting 84 x 84 x 25 mm or mounting into the E-Design65 switching system. With battery (lifetime 2-8 years). Smart Home sensor.

All Eltako wireless dimmers can be controlled by this wireless rotary switch, and also the wireless switching actuators TF61L, TF100L and FSR61.

To teach in the wireless rotary switch in the actuators, pull off the rotary knob and the front panel. Press and hold the mini pushbutton (LRN) which is then accessible and briefly press the rotary knob shaft.
The power supply is an internal 3 V CR2032 button cell and has a service life of several years.

To replace the button cell, just remove the front panel and the rotary knob.

Mounting:
Screw on mounting plate. Then snap on the frame, remove the battery insulation, plug on the rotary knob and snap on the front panel.

Use the sleeves in the 55 mm socket box for screw mounting.

We recommend stainless-steel countersunk screws 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. Set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed.

Only in combination with dimmers: the minimum brightness can be adjusted in 3 levels with a jumper as well as the soft on function.

FDT65B-wg | Wireless 1-way rotary switch, pure white glossy | EAN 4010312317273 | 61,70 €/pc.

Recommended retail prices excluding VAT.
FTA65D-wg

Wireless pushbutton dimming actuator. For single mounting 84 x 84 x 16/33 mm or mounting into the E-Design65 switching system. Pure white glossy. With Power MOSFET. 230 V incandescent and halogen lamps up to 300 W, 230 V LED lamps up to 100 W. No inductive (wound) transformers. With switching operation for children's rooms and snooze function. With integrated universal/direction pushbutton and terminals for additional wired pushbuttons. Power supply 230 V. Only 0.7 watt standby loss. Smart Home sensor and actuator.

Using easy tap technology, up to 32 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons and motion sensors FB65B and FB55B can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp. The integrated pushbutton works ex work as an universal pushbutton and can be taught-in as an direction pushbutton using the corresponding tap-radio tapping code.

Mounting over a 55 mm switch box. 16 mm over and 33 mm into the box. 230 V power supply and wired pushbutton terminals on the rear.

FTA65DL-wg

Wireless pushbutton dimming actuator without N connection. For single mounting 84 x 84 x 16/33 mm or mounting into the E-Design65 switching system. Pure white glossy. With Power MOSFET. 230 V incandescent and halogen lamps up to 200 W, depending on ventilation conditions. Energy saving lamps ESL and 230 V LED lamps in 'trailing edge' mode up to 200 W or up to 40 W in 'leading edge' mode, depending on ventilation conditions. Min. load 20 W at 'trailing edge' mode and 8 W at 'leading edge' mode. No inductive (wound) transformers. With switching operation for children's rooms and snooze function. With integrated universal/direction pushbutton and terminals for additional wired pushbuttons. Power supply 230 V. Only 0.7 watt standby loss. Smart Home sensor and actuator.

Using easy tap technology, up to 32 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons and motion sensors FB65B and FB55B can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp. The integrated pushbutton works ex work as an universal pushbutton and can be taught-in as an direction pushbutton using the corresponding tap-radio tapping code.

Mounting over a 55 mm switch box. 16 mm over and 33 mm into the box. 230 V power supply and wired pushbutton terminals on the rear.
FTA65J-wg

Wireless pushbutton shading actuator, 1+1 NO contact 4 A/250 V AC for one shading element motor.
For single mounting 84 x 84 x 16/33 mm or mounting into the E-Design65 switching system. Pure white glossy. With integrated universal/direction pushbutton and terminals for additional wired pushbuttons. Power supply 230 V. Only 0.8 watt standby loss. Smart Home sensor and actuator.

Using easy tap technology, up to 32 wireless universal pushbuttons, wireless direction pushbuttons and wireless central control pushbuttons can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp.
The integrated pushbutton works ex work as an universal pushbutton and can be taught-in as an direction pushbutton using the corresponding tap-radio tapping code.
Mounting over a 55 mm switch box. 16 mm over and 33 mm into the box. 230 V power supply and wired pushbutton terminals on the rear.

FTA65L-wg

Wireless pushbutton light actuator 10 A/250 V AC. For single mounting 84 x 84 x 16/33 mm or mounting into the E-Design65 switching system. Pure white glossy. Impuls switch with 1 NO contact, not potentialfree, 230 V incandescent and halogen lamps 1000 W, ESL and 230 V LED lamps up to 200 W. With integrated universal/direction pushbutton and terminals for additional wired pushbuttons. Power supply 230 V. Only 0.8 watt standby loss. Smart Home sensor and actuator.

Using easy tap technology, up to 32 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons and motion sensors FB65B and FB55B can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp.
The integrated pushbutton works ex work as an universal pushbutton and can be taught-in as an direction pushbutton using the corresponding tap-radio tapping code.
Mounting over a 55 mm switch box. 16 mm over and 33 mm into the box. 230 V power supply and wired pushbutton terminals on the rear.
PASSIVE WIRELESS SENSORS E-DESIGN55

TF-2FT55
2-way wireless pushbutton pure white glossy for single mounting 80 x 80 x 15 mm or mounting into the E-Design55 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. Smart Home sensor.

The scope of supply comprises a rocker.
Wireless pushbuttons with one rocker can transmit two evaluable signals: press rocker up and press rocker down.
The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

| TF-2FT55 | 2-way wireless pushbutton, pure white glossy | EAN 4010312320419 | 35,90 €/pc. |

TF-4FT55
4-way wireless pushbutton pure white glossy for single mounting 80 x 80 x 15 mm or mounting into the E-Design55 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. Smart Home sensor.

The scope of supply comprises a double rocker.
Wireless pushbuttons with double rocker can transmit four evaluable signals: press two rockers up or down.
The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

| TF-4FT55 | 4-way wireless pushbutton, pure white glossy | EAN 4010312317891 | 37,00 €/pc. |
PASSIVE WIRELESS SENSORS E-DESIGN55

**TF-2ZT55-wg**
2-way wireless pushbutton pure white glossy for single mounting 80 x 80 x 15 mm or mounting into the E-Design55 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. With laser engraved rocker. Smart Home sensor.

Wireless pushbuttons with one rocker can transmit two evaluable signals: press rocker up and press rocker down.

The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

| TF-2ZT55-wg | 2-way central control pushbutton, pure white glossy | EAN 4010312318744 | 42.90 €/pc. |

**FDT55EB-wg**
1-way wireless rotary switch pure white glossy, for single mounting 80 x 80 x 25 mm or mounting into the E-Design55 switching system. With batteries (lifetime 2-8 years). Smart Home sensor.

All Eltako wireless dimmers can be controlled by this wireless rotary switch, and also the wireless switching actuators TF61L, TF100L and FSR61.

To teach in the wireless rotary switch in the actuators, pull off the rotary knob and the front panel. Press and hold the mini pushbutton (LRN) which is then accessible and briefly press the rotary knob shaft. The power supply is an internal 3 V CR2032 button cell and has a service life of several years.

To replace the button cell, just remove the front panel and the rotary knob.

**Mounting:** Screw on mounting plate. Then snap on the frame, remove the battery insulation, plug on the rotary knob and snap on the front panel.

Use the sleeves in the 55 mm socket box for screw mounting.

We recommend stainless-steel countersunk screws 2.9 x 25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5 x 25 mm and with 55 mm switch boxes. Set of 2 stainless-steel countersunk screws 2.9 x 25 mm and plugs 5 x 25 mm are enclosed.

**Only in combination with dimmers:** the minimum brightness can be adjusted in 3 levels with a jumper as well as the soft on function.

| FDT55EB-wg | Wireless rotary switch, pure white glossy | EAN 4010312319987 | 61.70 €/pc. |
PASSIVE WIRELESS SENSORS 55 X 55 MM

F4PT55-wg
4-way wireless pushbutton pure white glossy for single mounting 80 x 80 x 15 mm or mounting into the 55 mm switch system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. With laser engraved double rocker. Smart Home sensor.

Rocker laser engraved with 'Home Day/Night', 'Away' and 'Vacation'. The mounting panel can only be screwed on a flat surface or fixed to the wall, on glass or furniture using the enclosed adhesive film. By means of a 55 mm switch box, use the sleeves for screw connection supplied in the socket.

F4PT55-wg 4-way profile pushbutton, pure white glossy EAN 4010312317907 42,90 €/pc.

FDT55B-wg
1-way wireless rotary switch pure white glossy, for single mounting 80x80x25mm or mounting into the 55 mm switch system. With batteries (lifetime 2-8 years). Smart Home sensor.

All Eltako wireless dimming actuators can be controlled by this wireless rotary switch, as well as the wireless switching actuators TF61L, TF100L and FSR61.

To teach in the wireless rotary switch in the actuators, pull off the rotary knob and the front panel. Press and hold the mini pushbutton (LRN) which is then accessible and briefly press the rotary knob shaft. The power supply is an internal 3V CR2032 button cell and has a service life of several years.

To replace the button cell, just remove the front panel and the rotary knob.

Mounting: Screw on mounting plate. Then snap on the frame, remove the battery insulation, plug on the rotary knob and snap on the front panel.

Use the sleeves in the 55mm socket box for screw mounting.

We recommend stainless-steel countersunk screws 2.9x25mm, DIN 7982 C, for screw connections. Both with rawl plugs 5x25mm and with 55mm switch boxes. Set of 2 stainless-steel countersunk screws 2.9x25mm and plugs 5x25mm are enclosed.

Only in combination with dimmers: the minimum brightness can be adjusted in 3 levels with a jumper as well as the soft on function.

FDT55B-wg Wireless rotary switch, pure white glossy EAN 4010312318256 61,70 €/pc.

Recommended retail prices excluding VAT.
FTA55D-wg

Wireless pushbutton dimming actuator. For single mounting 80 x 80 x 15/33 mm or mounting into the E-Design55 switching system. Pure white glossy. With Power MOSFET. 230 V incandescent and halogen lamps up to 300 W, 230 V LED lamps up to 100 W. No inductive (wound) transformers. With switching operation for children's rooms and snooze function. With integrated universal/direction pushbutton and terminals for additional wired pushbuttons. Power supply 230 V. Only 0.7 watt standby loss. Smart Home sensor and actuator.

Using easy tap technology, up to 32 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons and motion sensors FB65B and FB55B can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp. The integrated pushbutton works ex work as an universal pushbutton and can be taught-in as an direction pushbutton using the corresponding tap-radio tapping code.

Mounting over a 55 mm switch box. 15 mm over and 33 mm into the box. 230 V power supply and wired pushbutton terminals on the rear.

FTA55D-wg  Wireless pushbutton dimming actuator, pure white glossy  EAN 4010312319222  74,80 €/pc.

FTA55DL-wg

Wireless pushbutton dimming actuator without N connection. For single mounting 80 x 80 x 15/33 mm or mounting into the E-Design55 switching system. Pure white glossy. With Power MOSFET. 230 V incandescent and halogen lamps up to 200 W, depending on ventilation conditions. Energy saving lamps ESL and 230 V LED lamps in 'trailing edge' mode up to 200 W or up to 40 W in 'leading edge' mode, depending on ventilation conditions. Min. load 20 W at 'trailing edge' mode and 8 W at 'leading edge' mode. No inductive (wound) transformers. With switching operation for children's rooms and snooze function. With integrated universal/direction pushbutton and terminals for additional wired pushbuttons. Power supply 230 V. Only 0.7 watt standby loss. Smart Home sensor and actuator.

Using easy tap technology, up to 32 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons and motion sensors FB65B and FB55B can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp. The integrated pushbutton works ex work as an universal pushbutton and can be taught-in as an direction pushbutton using the corresponding tap-radio tapping code.

Mounting over a 55 mm switch box. 15 mm over and 33 mm into the box. 230 V power supply and wired pushbutton terminals on the rear.

FTA55DL-wg  Wireless pushbutton dimming actuator without N connection, pure white glossy  EAN 4010312319239  74,80 €/pc.
**FTA55J-wg**

Wireless pushbutton shading actuator, 1+1 NO contact 4 A/250 V AC for one shading element motor. For single mounting 80 x 80 x 15/33 mm or mounting into the E-Design55 switching system. Pure white glossy. With integrated universal/direction pushbutton and terminals for additional wired pushbuttons. Power supply 230 V. Only 0.8 watt standby loss. Smart Home sensor and actuator.

Using easy tap technology, up to 32 wireless universal pushbuttons, wireless direction pushbuttons and wireless central control pushbuttons can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp.

The integrated pushbutton works ex work as an universal pushbutton and can be taught-in as an direction pushbutton using the corresponding tap-radio tapping code.

Mounting over a 55 mm switch box. 15 mm over and 33 mm into the box. 230 V power supply and wired pushbutton terminals on the rear.

**FTA55L-wg**

Wireless pushbutton light actuator 10 A/250 V AC. For single mounting 80 x 80 x 15/33 mm or mounting into the E-Design55 switching system. Pure white glossy. Impuls switch with 1 NO contact, not potentialfree, 230 V incandescent and halogen lamps 1000 W, ESL and 230 V LED lamps up to 200 W. With integrated universal/direction pushbutton and terminals for additional wired pushbuttons. Power supply 230 V. Only 0.8 watt standby loss. Smart Home sensor and actuator.

Using easy tap technology, up to 32 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons and motion sensors FB55B can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp.

The integrated pushbutton works ex work as an universal pushbutton and can be taught-in as an direction pushbutton using the corresponding tap-radio tapping code.

Mounting over a 55 mm switch box. 15 mm over and 33 mm into the box. 230 V power supply and wired pushbutton terminals on the rear.
**FIUS65-wg**

Wireless indoor UP signal generator pure white glossy for single mounting 84 x 84 x 17 mm or mounting into the E-Design65 switching system. Internal acoustic signal generator for a minimum volume of 80 dB. Power supply 230 V. Only 0.8 watt standby loss. Smart Home sensor.

Up to 32 wireless universal pushbuttons, wireless window contacts as well as motion sensors can be taught in.

<table>
<thead>
<tr>
<th>FIUS65-wg</th>
<th>Wireless Indoor UP signal generator, pure white glossy</th>
<th>EAN 4010312320983</th>
<th>66.40 €/pc.</th>
</tr>
</thead>
</table>

**FIUS55-wg**

Wireless indoor UP signal generator pure white glossy for single mounting 80 x 80 x 17 mm or mounting into the E-Design55 switching system. Internal acoustic signal generator for a minimum volume of 80 dB. Power supply 230 V. Only 0.8 watt standby loss. Smart Home sensor.

Up to 32 wireless universal pushbuttons, wireless window contacts as well as motion sensors can be taught in.

| FIUS55E-wg | Wireless Indoor UP signal generator, pure white glossy | EAN 4010312320990 | 66.40 €/pc. |
PASSIVE WIRELESS SENSORS OTHERS

**FFKB-wg**

Wireless window/door contact pure white glossy, 75 x 25 x 12 mm, with battery (lifetime 7 years). Magnet pure white 37 x 10 x 6 mm. Smart Home sensor.

On opening and closing, the related telegram is send twice in short succession. The current status telegram is sent cyclically every approx. 8 minutes. Attach by bonding. Evaluation via tap-radio® relay actuator TF6IR-230V, tap-radio® shading element actuator TF6IJ-230V as well as the Smart Home control units MiniSafe, MiniSafe REG, Safe IV, Touch IV etc.

<table>
<thead>
<tr>
<th>FFKB-wg</th>
<th>Wireless window/door contact, pure white glossy</th>
<th>EAN 4010312321102</th>
<th>56.70 €/pc.</th>
</tr>
</thead>
</table>

**FTKE-rw**

Wireless window contact with energy generator pure white, 48 x 32 x 11.5 mm. Also to monitor doors, drawers and other moving devices. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. Smart Home sensor.

Generates the power for wireless telegrams itself when the lever is pressed, therefore there is no battery, no connecting wire and no standby loss.

A wireless telegram is sent on closing and opening.

Evaluation via tap-radio® relay actuator TF6IR-230V and tap-radio® shading element actuator TF6IJ-230V as well as the Smart Home control units MiniSafe, MiniSafe REG, Safe IV, Touch IV etc.

Mounting with the delivered adhesive foil, by screwing or with the delivered mounting bracket. The 48 mm long lever can be shortened to 27 mm by removing a part.

<table>
<thead>
<tr>
<th>FTKE-rw</th>
<th>Wireless window contact, pure white</th>
<th>EAN 4010312315231</th>
<th>52.50 €/pc.</th>
</tr>
</thead>
</table>

**FFTE-rw**

Wireless window touch contact with energy generator pure white, 48 x 32 x 11.5 mm. Also to monitor doors, drawers and other moving devices. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. Smart Home sensor.

A wireless telegram is sent on closing and opening.

Evaluation via tap-radio® relay actuator TF6IR-230V and tap-radio® shading element actuator TF6IJ-230V as well as the Smart Home control units MiniSafe, MiniSafe REG, Safe IV, Touch IV etc.

Mounting with the delivered adhesive foil, by screwing or with the delivered mounting bracket.

| FFTE-rw      | Wireless window touch contact, pure white      | EAN 4010312319024 | 52.50 €/pc. |
PASSIVE WIRELESS SENSORS OTHERS

**FFG7B-rw**

Wireless window handle sensor pure white, 120 x 35 x 7 mm, with battery (lifetime 7 years). Installation behind conventional window handle. Smart Home sensor.

Wireless transmit telegrams for window positions open, tilted and closed. Status telegram every 15 minutes. Very simple installation under standard window handle: Unscrew handle, fit sensor, and screw handle back on.

| FFG7B-rw | Wireless window handle sensor, pure white | EAN 4010312318638 | €63.20/pc |

**TF-8FM**

8-way wireless mini hand-held transmitter pure white with 8 buttons for 8 different pushbutton telegrams. 85 x 45 x 18 mm, weighs only 60 grams. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. Upper part laser engraved. Smart Home sensor.

Generates the power for wireless telegrams when a button is pressed, therefore no standby loss. The buttons are printed with the numbers 1 to 6 and the symbols for Central ON and Central OFF.

| TF-8FM | 8-way wireless mini hand-held transmitter | EAN 4010312317112 | €61.70/pc |

**FTTB**

Wireless pushbutton tracker with battery (lifetime 5-8 years). 55 x 44 mm, 15 mm high, anthracite/blue. Weighs only 20 grams. Smart Home sensor.

The wireless pushbutton tracker has a blue pushbutton to send normal pushbutton telegrams. After opening the housing (grasp into the joint and prise apart), switch the tracker on by shifting the slide switch to the Tr position. The sensor then sends a presence telegram every 60 seconds. An internal 3 V button cell CR2032 supplies power for several years.

| FTTB | Pushbutton tracker, anthracite/blue | EAN 4010312321119 | €58.20/pc |

Recommended retail prices excluding VAT.
The MiniSafe as Smart Home control unit receives EnOcean signals from many Eltako sensors and actuators, in particular all tap-radio® models, and permits highly encrypted access, both internally and externally, with the app GFA4 by smartphone or tablet. Smart Home controller.

MiniSafe connected to the local network via Ethernet. The intended use of the MiniSafe is the bidirectional communication with EnOcean wireless signals over Ethernet (TCP/IP).

**Recommendation:** maximum 30 actuators and sensors for approx. 10 seconds connection time between app and MiniSafe.

**Scope of supply:** MiniSafe, wall adapter power supply, 1x ethernet cable 2 m RJ45, quick start guide, instruction for downloading the app GFA4.

**Specifications:** Processor: Intel X1021, memory: 1GB DDR3 RAM + 4 GB eMMC, LAN: 1x 10/100 Mbit ethernet, integrated EnOcean-868 MHz wireless module (TCM310) ESP3, power supply 5 V, plastic housing pure white glossy, dimensions: 165 x 70 x 35 mm with slots for wall mounting and feet to put down, weight: 175 grams.

The configuration and control is performed via the app GFA4 from the Android app store or Apple app store.
MINISAFE REG

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

MINISAFE REG connected to the local network via Ethernet. The intended use of the MINISAFE REG is the bidirectional communication with EnOcean wireless signals over Ethernet (TCP/IP).

**Recommendation:** maximum 30 actuators and sensors for approx. 10 seconds connection time between app and MiniSafe.

**Scope of supply:** MINISAFE REG, wireless antenna, wall adapter power supply, 1x ethernet cable 2m RJ45, 2x DIN rail adapters, quick start guide, instruction for downloading the app GFA4.

**Specifications:** Processor: Intel X1021, memory: 1GB DDR3 RAM + 4GB eMMC, LAN: 1x 10/100 Mbit ethernet, integrated EnOcean-868 MHz wireless module (TCM310) ESP3, power supply 5V, plastic housing gray RAL 7035, dimensions: 165 x 70 x 35 mm with slots for wall mounting and feet to put down, weight: 175 grams.

The configuration and control is performed via the app GFA4 from the Android app store or Apple app store. The enclosed small antenna can be replaced with a wireless antenna FA250 with magnetic base and cable.

Can be mounted on an DIN rail DIN-EN 60715 TH35 with the DIN Rail adapters for the long holes, 10 pitches wide. Instead of the adapter plug, the DIN-rail power supply HDR-30-5 can be used. The special 5V connection cable is already mounted.

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>EAN</th>
<th>Price/pc.*</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINISAFE REG</td>
<td>Smart Home control unit</td>
<td>EAN 4010312319017</td>
<td>308,80 €/pc.*</td>
</tr>
<tr>
<td>FA250</td>
<td>Wireless antenna with 250 cm cable, black</td>
<td>EAN 4010312300244</td>
<td>21,80 €/pc.</td>
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<td>FA250-gw</td>
<td>Wireless antenna with 250 cm cable, grey white</td>
<td>EAN 4010312317051</td>
<td>21,80 €/pc.</td>
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<tr>
<td>HDR-30-5</td>
<td>Power supply unit 5V/15W for MINISAFE REG</td>
<td>EAN 4010312318874</td>
<td>43,40 €/pc.</td>
</tr>
</tbody>
</table>

Recommended retail prices excluding VAT. * The software part is not discountable.
SMART HOME CONTROL UNITS

wibutler pro
Smart Home control unit

wibutler app Eltako edition

THE WIBUTLER CONCEPT

Wibutler is a manufacturer independent smart home solution to simplify people's everyday lives. The solution combines products of various manufacturers and needs only a single app for users to control, combine and automate all products.

Using time and automation rules defined especially for this application, wibutler can assume tasks and act according to its owner's wishes.

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

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

This is how it works:

- **Automation rules**: The wibutler organises devices to work in teams. Devices react by means of if/then rules to movements or actions such as the opening or closing of windows, doors or drawers.
- **Time control**: wibutler uses time rules to learn repetitive tasks which must be executed at particular times.
- **Remote control**: using wibutler via your smartphone or tablet when you're away from home to check the state of devices and appliances at home and change them to the state you want.
- **Consumption logs**: wibutler measures consumption and displays where are the greatest saving potential.
- **Profiles**: defined rules are assigned to profiles (e.g. 'Home Day/Night', 'Away' and 'Holiday'). With one click of a profile pushbutton you can change the entire house to the mode you require (e.g. 'Away': All OFF, alarm system and presence simulations ON).

Recommended retail prices excluding VAT.

* The software part is not discountable.
**BLISTERPACKS AND ACCESSORIES**

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### TF-BPD

Blisterpack dimming with tap-radio® wireless pushbutton TF-1FT and tap-radio® universal dimming actuator adapter TF100D-230V. Smart Home sensor and Smart Home actuator.

**TF-1FT:**
- 1-way wireless flat pushbutton for single mounting 84 x 84 x 16 mm or mounting into the E-Design65 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss.
- Wireless pushbuttons with one rocker can send one evaluable signal. Press the bottom of the rocker near the mark.
- The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

**TF100D-230V:**
- Wireless universal dimming actuator adapter. 100 x 55 x 45 mm (measurements without plug), pure white. With power MOSFET. 230 V incandescent lamps and halogen lamps up to 300 W, 230 V LEDs up to 100 W.
- No inductive (wound) transformers. With children’s rooms and snooze function. No minimum load. Standby loss only 0.7 watt.
- Adapter for German fused safety sockets with increased shock protection.
- Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons motion sensors FB65B, FB55B, FBH65SB and FBH55SB as well as bi-directional wireless can be taught in.
- During teach-in, the dimming actuator can be set to phase control to permit optimum dimming for various LED lamps.

<table>
<thead>
<tr>
<th>TF-BPD</th>
<th>Blisterpack dimming</th>
<th>EAN 4010312317365</th>
<th>118,10 €/pc.</th>
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### TF-BPD55

Blisterpack dimming with tap-radio® wireless pushbutton TF-2FT55 and tap-radio® universal dimming actuator adapter TF100D-230V. Smart Home sensor and Smart Home actuator.

**TF-2FT55:**
- Wireless pushbutton pure white glossy for single mounting 80 x 80 x 15 mm or mounting into the E-Design55 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss.
- Wireless pushbuttons with one rocker can transmit two evaluable signals: press rocker up and press rocker down.
- The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

**TF100D-230V:**
- Wireless universal dimming actuator adapter. 100 x 55 x 45 mm (measurements without plug), pure white. With power MOSFET. 230 V incandescent lamps and halogen lamps up to 300 W, 230 V LEDs up to 100 W.
- No inductive (wound) transformers. With children’s rooms and snooze function. No minimum load. Standby loss only 0.7 watt.
- Adapter for German fused safety sockets with increased shock protection.
- Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons motion sensors FB65B, FB55B, FBH65SB and FBH55SB as well as bi-directional wireless can be taught in.
- During teach-in, the dimming actuator can be set to phase control to permit optimum dimming for various LED lamps.

| TF-BPD55 | Blisterpack dimming | EAN 4010312318225 | 123,70 €/pc. |
**TF-BPL**

Blisterpack switching with tap-radio® wireless pushbutton TF-1FT and tap-radio® light actuator adapter TF100L-230V. Smart Home sensor and Smart Home actuator.

**TF-1FT:** 1-way wireless flat pushbutton for single mounting 84 x 84 x 16 mm or mounting into the E-Design65 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss.

Wireless pushbuttons with one rocker can send one evaluable signal. Press the bottom of the rocker near the mark.

The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

**TF100L-230V:** Wireless light actuator adapter 10 A/250 V AC. 100 x 55 x 45 mm (measurements without plug), pure white. Impulse switch with NO contact. 230 V incandescent lamps and halogen lamps 1000 W, ESL and 230 V LED lamps up to 200 W. Standby loss only 0.8 watt.

Adapter for German fused safety sockets with increased shock protection.

Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons and motion sensors FB65B, FB55B, FBH65SB and FBH55SB as well as bidirectional wireless can be taught in.

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**TF-BPL55**

Blisterpack switching with tap-radio® wireless pushbutton TF-2FT55 and tap-radio® light actuator adapter TF100L-230V. Smart Home sensor and Smart Home actuator.

**TF-2FT55:** Wireless pushbutton pure white glossy for single mounting 80 x 80 x 15 mm or mounting into the E-Design55 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss.

Wireless pushbuttons with one rocker can transmit two evaluable signals: press rocker up and press rocker down.

The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

**TF100L-230V:** Wireless light actuator adapter 10 A/250 V AC. 100 x 55 x 45 mm (measurements without plug), pure white. Impulse switch with NO contact. 230 V incandescent lamps and halogen lamps 1000 W, ESL and 230 V LED lamps up to 200 W. Standby loss only 0.8 watt.

Adapter for German fused safety sockets with increased shock protection.

Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons and motion sensors FB65B, FB55B, FBH65SB and FBH55SB as well as bidirectional wireless can be taught in.
TF-BP61L
Blisterpack Schalten mit Tipp-Funk®-Funktaster TF-1FT und Tipp-Funk®-Lichtaktor TF61L-230V.
Smart Home Sensor und Smart Home Aktor.

TF-1FT: 1-way wireless flat pushbutton for single mounting 84 x 84 x 16 mm or mounting into the E-Design65 switching system. Generates the power for wireless telegrams itself when the button is pressed, therefore there is no connecting wire and no standby loss. Wireless pushbuttons with one rocker can send one evaluable signal. Press the bottom of the rocker near the mark. The mounting base can be screwed onto a flat surface or glued to the wall, on glass or on furniture using the enclosed adhesive foil. Use the sleeves in the 55 mm socket box for screw mounting.

TF61L-230V: Wireless light actuator 10 A/250 V AC, 45 x 45 x 18 mm. Impulse switch with NO contact, not potential free. 230 V incandescent lamps and halogen lamps 1000 W, ESL and 230 V LED lamps up to 200 W. Standby loss only 0.8 watt. Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons as well as motion sensors FB65B, FB55B, FBH65SB and FBH55SB can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp.

Recommended retail prices excluding VAT.

| TF-BP61L | Blisterpack switching | EAN 4010312318386 | 84,00 €/pc. |
| TF-BP61L55 | Blisterpack switching | EAN 4010312318393 | 89,60 €/pc. |
### FSRP-230V

**Wireless repeater adapter 1- and 2-level. 100 x 55 x 45 mm (measurements without plug), pure white. Standby loss only 0.7 watt. Smart Home repeater.**

Adapter for German fused safety sockets with increased shock protection. A repeater is only required if the building structure doesn’t permit undisturbed reception or the distance between the sensor and actuator is too large. The 2-level mode is activated ex works. Sensor wireless signals are then processed in addition to the wireless signals of another 1-level repeater. A wireless signal can then receive and amplify a maximum of two times.

**From production week 31/18:** By multiple unplugging and plugging can be switched to the 1-level mode. Now only the wireless signals from sensors are received and amplified. Wireless signals from other repeaters are ignored to reduce the amount of data.

**Activate 1-level mode:**
Briefly unplug and replug the adapter plug 3 times at intervals of 1 second within a period of 10 seconds.

**Activate 2-level mode:**
Briefly unplug and replug the adapter plug 5 times at intervals of 1 second within a period of 20 seconds. Wireless repeaters require no teach-in. They receive and amplify the wireless signals of all wireless sensors within their reception range.

| FSRP-230V | Wireless repeater adapter | EAN 4010312314999 | €68.90/pc. |

### TF61P-230V

**1- and 2-level wireless repeater 45x45x18mm. Only 0.7 watt standby loss. Smart Home repeater.**

Supply voltage 230 V. This repeater is only needed if the building conditions prevent undisturbed reception or the distance between the wireless pushbutton and receiver is too great. The 1-level mode is activated ex works. Only wireless signals from sensors are received, tested and retransmitted at full transmit power. Wireless signals from other repeaters are ignored to reduce the data volume.

**From production week 26/18:** Switch over to 2-level mode using the rotary switch. Sensor wireless signals are then processed in addition to the wireless signals of another 1-level repeater. A wireless signal can then receive and amplify a maximum of two times. The LED shows incoming wireless signals by briefly flashing.

Wireless repeaters need not be taught-in. They receive and amplify signals from all wireless sensors within their reception area.

| TF61P-230V | Wireless repeater | EAN 4010312318157 | €49.90/pc. |
**TECHNICAL DATA TAP-RADIO® SWITCHING AND DIMMING ACTUATORS**

**ACTIVATION TELEGRAMS FROM THE GFVS SOFTWARE**

<table>
<thead>
<tr>
<th>Type</th>
<th>TF61D, TF100D, FTA65D, FTA55D</th>
<th>TF61L, TF100A, TF101L, FTA65L, FTA55L, TF61R</th>
<th>TF61J, FTA65J, FTA55J</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Contacts</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contact material/contact gap</td>
<td>Power MOSFET</td>
<td>AgSnO2/0.5mm</td>
<td>AgSnO2/0.5mm</td>
</tr>
<tr>
<td>Spacing of control connections/contact</td>
<td>–</td>
<td>3 mm</td>
<td>3 mm</td>
</tr>
<tr>
<td>Test voltage control connections/contact</td>
<td>2000 V</td>
<td>2000 V</td>
<td></td>
</tr>
<tr>
<td>Rated switching capacity each contact</td>
<td>10A/250V AC</td>
<td>4A/250V AC</td>
<td></td>
</tr>
<tr>
<td>Incandescent lamp and halogen lamp load</td>
<td>up to 300 W</td>
<td>1000 W</td>
<td>500 W</td>
</tr>
<tr>
<td>230 V, I on ≤ 35 A/10 ms electronic transformers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluorescent lamp load with KVG* in lead-lag circuit or non compensated</td>
<td>–</td>
<td>500 VA</td>
<td>–</td>
</tr>
<tr>
<td>Fluorescent lamp load with KVG* shunt-compensated or with EVG*</td>
<td>–</td>
<td>500 VA</td>
<td>–</td>
</tr>
<tr>
<td>Compact fluorescent lamps with EVG* and energy saving lamps</td>
<td>–</td>
<td>up to 200 W</td>
<td>–</td>
</tr>
<tr>
<td>Inductive load cos φ = 0.6/230 V AC, inrush current ≤ 35 A</td>
<td>–</td>
<td>500 W</td>
<td>500 W</td>
</tr>
<tr>
<td>230 V LED lamps</td>
<td>up to 100 W</td>
<td>up to 200 W</td>
<td>–</td>
</tr>
<tr>
<td>Service life at rated load, cos φ = 1</td>
<td>–</td>
<td>&gt; 10^4</td>
<td>&gt; 10^4</td>
</tr>
<tr>
<td>Service life at rated load, cos φ = 0.6</td>
<td>–</td>
<td>&gt; 4 x 10^4</td>
<td>&gt; 4 x 10^4</td>
</tr>
<tr>
<td>Max. operating cycles</td>
<td>10^7/h</td>
<td>10^7/h</td>
<td></td>
</tr>
<tr>
<td>Maximum conductor cross-section</td>
<td>4 mm²</td>
<td>4 mm²</td>
<td>4 mm²</td>
</tr>
<tr>
<td>Two conductors of same cross-section</td>
<td>1.5 mm²</td>
<td>1.5 mm²</td>
<td>1.5 mm²</td>
</tr>
<tr>
<td>Screw head</td>
<td>slotted/crosshead</td>
<td>slotted/crosshead</td>
<td>slotted/crosshead</td>
</tr>
<tr>
<td>Type of enclosure/terminals</td>
<td>IP30/IP20</td>
<td>IP30/IP20</td>
<td>IP30/IP20</td>
</tr>
</tbody>
</table>

| **Electronics** |                             |                                 |                     |
| Time on | 100 % | 100 % | 100 % |
| Max./min. temperature at mounting location | +50°C/-20°C | +50°C/-20°C | +50°C/-20°C |
| Standby loss (active power) | 0.7 W | 0.8 W | 0.8 W |
| Local control current at 230 V control input, only on Series 61 | 0.4 mA | 0.4 mA | 0.4 mA |
| Max. parallel capacitance (approx. length) of local control lead at 230 V AC | 3nF (10 m) | 3nF (10 m) | 3nF (10 m) |

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**ACTIVATION TELEGRAMS FROM THE GFVS SOFTWARE**

### TF61D, TF100D, FTA65D, FTA55D

**Direct transfer of dimming value from 0-100%, FUNC=38, Command 2 (like EEP A5-38-08).**

| ORG | 0x07 |
| Data.byte3 | 0x02 |
| Data.byte2 | dimming value in % from 0-100 dez. |
| Data.byte1 | dimming speed: 0x01 = very fast-0xFF = very slow |
| Data.byte0 | DB0.Bit3 = LRN button |
| DB0.Bit0 = Dimmer ON, 0: Dimmer OFF; |
| DB0.Bit2 = 1: Dimming value, 0: Dimming value not blocked |
| DB0.Bit5 = 1: Teach mode activation, 3x within 2s = delete GFVS-ID |
| Teach-in telegram: 0xE0400D80 |
| Unlock teach mode: 0x00000028 |
| Confirmation telegram request: 0x00000008 |

### TF81J, FTA65J, FTA55J

**Direct drive command with specification of runtime in s. FUNC=3F, Typ=7F (universal).**

| ORG | 0x07 |
| Data.byte3 | 0x01 |
| Data.byte2 | not used |
| Data.byte1 | not used |
| Data.byte0 | DB0.Bit3 = LRN button |
| DB0.Bit0 = Dimmer ON, 0: Dimmer OFF; |
| DB0.Bit2 = 1: Block dimming value, 0: Dimming value not blocked |
| DB0.Bit5 = 1: Teach mode activation, 3x within 2s = delete GFVS-ID |
| Teach-in telegram: 0xE0400D80 |
| Unlock teach mode: 0x00000028 |
| Confirmation telegram request: 0x00000008 |

### TF61L, TF100L, TF100SSR, FTA65L, FTA55L

**Direct switching command, FUNC=38, Command 1 (like EEP A5-38-08).**

There is the possibility to block the switching state with absolut priority so that it cannot be changed by other taught-in pushbuttons.

| ORG | 0x07 |
| Data.byte3 | 0x02 |
| Data.byte2 | Runtime in 100ms MSB |
| Data.byte1 | Runtime in 100ms LSB, or runtime in seconds 1-255 dec |
| Data.byte0 | command: 0x00 = Stop, 0x01 = Up, 0x02 = Down |
| DB0.Bit3 = LRN button |
| DB0.Bit0 = Dimmer ON, 0: Dimmer OFF; |
| DB0.Bit2 = 1: Block dimming value, 0: Dimming value not blocked |
| DB0.Bit5 = 1: Teach mode activation, 3x within 2s = delete GFVS-ID |
| Teach-in telegram: 0xF0400D80 |
| Unlock teach mode: 0x00000028 |
| Confirmation telegram request: 0x00000008 |
### TF-IFT

**ORG** = 0x05  
**Data.byte3** = 0x10

### TF-4FT, TF-22T, TF-4PT, TF-4FT55, TF-22T55, TF-4PT55

**ORG** = 0x05  
**Data.byte3** = 0x70/0x50 with rocker  
**Data.byte5** = 0x70/0x50/0x30/0x10 with double rocker

### FHD60SB

- **TF-Modus:** EEP: A5-38-08  
- **Teach-in telegram:** 0xE0400D80  
- **Data telegram:**  
  - **OFF** = 0x01000008  
  - **ON** = 0x01000009  
- **FAH mode:** EEP: A5-06-01

### FB65SB, FBH65SB, FB55SB, FBH55SB

**EEP:** A5-07-01  
**Data.byte3** =  
**Data.byte2** =  
**Data.byte1** = 0x08  
**Teach-in telegram:** 0x18000D80  
**only FBH65SB, FBH55SB**  
- **FBH-Modus-Data telegram acc. to EEP:** A5-08-01  
  - **Data.byte3** = voltage 0-5.1V (0-255)  
  - **Data.byte2** = brightness 0-510 lux (0-255)  
  - **Data.byte1** =  
  - **Data.byte0** = 0x00  
  - **Teach-in telegram:** 0x18000D80

### FDT65B, FDT55B

**EEP:** A5-38-08  
**Teach-in telegram:** 0xE0400D80  
**Data.byte3** = 0x02  
**Data.byte2** = dimming value in % from 0 to 100 dec.  
**Data.byte1** = 0x01  
**Data.byte0_Bit0: 1 = On, 0 = off

### FFG7B

**EEP:** A5-14-09  
**Data.byte0** = 0x08 = window closed  
**Data.byte1** = 0x0E = window open  
**Data.byte2** = battery voltage: 0..250, 0..5V  
**Teach-in telegram:** 0xE0400D80  
**only EEP:** F6-10-00  
**ORG** = 0x05  
**Data.byte3** = 0x05  
**Data.byte2** = 0x00 (window closed)  
**Data.byte1** = 0x00 (window open)  
**Data.byte0** = 0x00 (window tilted)

### FFBK

**EEP:** D5-00-01  
**ORG** = 0x06  
**Data.byte3** = contact closed -> 0x09  
**Data.byte2** = contact open -> 0x08  
**Data.byte1** =  
**Data.byte0** =  
**Teach-in telegram** DB3..DB0: 0x00, 0x00, 0x00, 0x00

### FTKE, FFTE

**ORG** = 0x05  
**Data.byte3** = 0xF0 (window closed)  
**Data.byte2** = 0xE0 (window open)

### FKS-H

- **EEP:** A5-20-04  
- **Data.byte3** = Valve position 0-100%  
- **Data.byte2** = (if data.byte0 = 08) Flow temperature 20-80°C 0x00-0xFF  
- **Data.byte2** = (if data.byte0 = 0A) Setpoint 10-30°C 0x00-0xFF  
- **Data.byte2** = (if data.byte0 = 09) Error code 0x12 = battery empty  
- **Data.byte1** = measured temp. 10-30°C 0x00-0xFF  
- **Teach-in telegram:** 0x80204580

### FLGTF65, FLGTF55

- **TVOC data telegram acc. to EEP:** A5-09-0C  
- **Data.byte3 + Data.byte2** = 0 to 65535ppb equivalent to 0x00 to 0xFF  
- **Data.byte1** =  
- **Teach-in telegram:** 0x24600D80

### FTBM, FTMB

- **Temperature/humidity data telegram acc. to EEP:** A5-04-02  
  - **Data.byte3** = humidity 0..100% (corresponds 0..250)  
  - **Data.byte2** = actual temperature -20°C to +60°C equivalent to 0x00 to 0xFA  
  - **Data.byte0** = 0x0F  
  - **Teach-in telegram:** 0xC0180D80

### FRWB, FMBH

- **EEP:** A5-30-03  
  - **Data.byte3** = 0x00  
  - **Data.byte2** = Temperature 0..40°C, linear 255..0  
  - **Data.byte1** =  
  - **Data-byte0** = 0x00  
  - **Teach-in telegram:** 0x01000D87

### FSU65D/230V, FSU55D/230V

- **PTM200 telegrams ORG = 0x05**  
  - **Data.byte3** = -  
  - **Data.byte2** = relative humidity 0..100% (corresponds 0..250)  
  - **Data-byte1** = -  
  - **Data-byte0** = 0x0F  
  - **Teach-in telegram:** 0x10100D87

### FTR65DSB, FTR65HB, FTR55DSB, FTR55HB, FTR55SB

#### Operating mode TF61: EEP: A5-38-08  
**Teach-in telegram:** 0xE0400D80

### FDT65B, FDT55B

**EEP:** A5-38-08  
**Teach-in telegram:** 0xE0400D80  
**Data.byte3** = 0x02  
**Data.byte2** = dimming value in % from 0 to 100 dec.  
**Data.byte1** = 0x01  
**Data.byte0_Bit0: 1 = On, 0 = off

### FFGB

**EEP:** A5-14-09  
**Data.byte0** = 0x08 = window closed  
**Data.byte1** = 0x0E = window open  
**Data.byte2** = battery voltage: 0..250, 0..5V  
**Teach-in telegram:** 0xE0400D80  
**only EEP:** F6-10-00  
**ORG** = 0x05  
**Data.byte3** = 0x05  
**Data.byte2** = 0x00 (window closed)  
**Data.byte1** = 0x00 (window open)  
**Data.byte0** = 0x00 (window tilted)

### FFBK

**EEP:** D5-00-01  
**ORG** = 0x06  
**Data.byte3** = contact closed -> 0x09  
**Data.byte2** = contact open -> 0x08  
**Data.byte1** =  
**Data.byte0** =  
**Teach-in telegram** DB3..DB0: 0x00, 0x00, 0x00, 0x00
SENSOR TELEGRAMS

FTTB
EEP: A5-07-01
Data_byte3 = Operating voltage (20mV/value)
Data_byte2 = -
Data_byte1 = 0x0F
Data_byte0 = 0x0F
Presence teach-in telegram: ORG7: 0x0C00D80
Presence data telegram: ORG7: 0x0F00D80
Pushbutton telegram: ORG05: 0x70 by pressing and 0x00 at release.

FUTH65D/230V, FUTH55D/230V
EEP: A5-10-06
Data_byte3 = night reduction 0-5°C in 1° steps
Data_byte2 = reference temperature 0..40°C, linear 0x00 - 0xFF
Adjustable range: 8..40°C
Data_byte1 = actual temperature 0..40°C, linear 0xFF - 0x00
Data_byte0 = DB0_Bit3 = LRN button
Teach-in telegram: 0x40300D87
EEP: A5-10-12
Data_byte3 = reference humidity 0..100%
Adjustable range: 10..90%
Data_byte2 = actual humidity 0..100% (corresp. to 0..250)
Data_byte1 = actual temperature 0..40°C (corresp. to 0..250)
Data_byte0 = DB0_Bit3 = LRN button
Teach-in telegram: 0x40900D80