75 YEARS OF INNOVATION.

ELTAKO SHORT FORM CATALOGUE

Eltako

THE HOME OF INNOVATION.

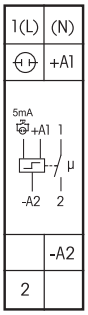
ELTAKO PROFESSIONAL STANDARD

Our ELTAKO Professional Standard standard products offers a wide selection of high-quality devices for different control purposes. ELTAKO offers, everything from mechanical relays to electronic relays, special relays with numerous different functions, energy meters and dimmers. All with a 5 year product guarantee.

ELTAKO PROFESSIONAL SMART HOME AND BUILDINGS

ELTAKO Professional Smart solutions includes solutions that can transform any building. The products can be used everywhere, from simple wireless solutions to complete building automation solutions. The range includes everything from wireless and battery-free buttons, battery free kinetic wall switches, door/window contacts to receivers/ actuators for several different types of controls, as well as smart home control units with which you can easily manage, control, measure energy consumption and create time, automation and lighting status functions through the application.

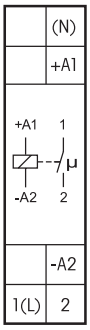
The main advantages of electronic relays are quiet switching sound, zero point switching, wide control voltage (UC), low heat generation and various multifunctions.



IMPULSE SWITCH

Electronic impulse switches. General control voltage 12–230 V AC/DC at control inputs +A1 and A2, or 230 V with a maximum of 5 mA indicator current at control inputs (L) and -A2. 230 V LED load max. 600 W ES12DX-UC and max. 200 W ES12-200-UC and ES12-110-UC. Light bulb load max. 2000 W. No standby mode consumption.

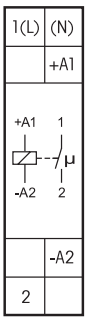
ES12DX-UC	1 potential-free NO contact 16 A
ES12-200-UC	2 potential-free NO contacts 16 A
ES12-110-UC	1 NO + 1 NC potential-free contact 16 A



IMPULSE SWITCH FOR LARGE START-UP CURRENTS

Impulse switch with Tungsten fronted contacts. The front contact always closes before the main contact of the relay and thus it protects the main contact, handling the high starting current caused by for example LED lamps. General control voltage 12–230 V AC/DC. 230 V LED load max. 600 W, light bulb load up to 3300 W. Maximum starting current up to 500 A/2 ms. No standby consumption.

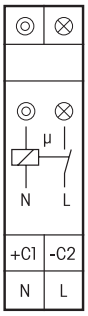
ESW12DX-UC	1 potential-free NO contact 16 A



INTERMEDIATE RELAY

Electronic intermediate relays. General control voltage 12–230 V AC/DC. 230 V LED load max. 600 W ER12DX-UC and max. 200 W in other relays. Light bulb load max. 2000 W. No standby consumption. LED indicator indicating the position of the contact.

ER12DX-UC	1 potential-free NO contact 16 A
ER12-200-UC	2 potential-free NO contacts 16 A
ER12-110-UC	1 NO + 1 NC potential-free contact 16 A
ER12-001-UC	1 potential-free changeover contact (CO) 16 A
ER12-002-UC	2 potential-free changeover contacts (CO) 16 A

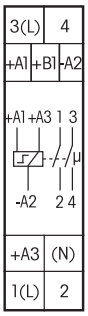


IMPULSE SWITCH / RELAY

Electronic impulse switch with integrated relay function. 1 potential-free NO contact 16 A/250 V AC. 230 V LED load max. 600 W. Control voltage 230 V. Galvanically isolated additional control input 8-230 V AC/DC. Standby consumption only 0.5 watts.

In the same device: Impulse switch function (ES), relay function (ER), impulse switch with adjustable (between 2-120 minutes) switch-off delay (ESV), and switch-off delay with switch-off warning.

ESR12NP-230V+UC	1 potential-free NO contact 16 A

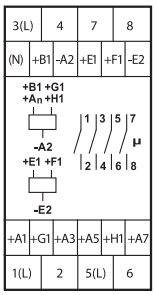


DIGITAL MULTIFUNCTION RELAY

Multifunction relay, impulse switch or intermediate relay with functions. 1 + 1 potential-free NO contact 16 A/250 V AC. 230 V LED load max. 600 W. Standby consumption only 0.03-0.4 watts. General control voltage 12 -230 V AC/DC. The operating voltage is the same as the control voltage.

A total of 18 different relay and contact functions can be selected with the help of the screen and front panel keys and central control functions.

ESR12DDX-UC	1 + 1 NO contact 16 A

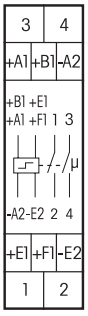


MULTIFUNCTION RELAY, 4-POLE

Multifunction relay, impulse switch or intermediate relay with functions, 18 different relay and contact functions. Also central and group control. 4 independently controlled potential-free contacts, 16 A/250 V AC. 230 V LED load max. 600 W. Standby consumption only 0.03-0.4 watts. Multi-voltage 12-230 V UC in local control inputs.

4 independently controllable channels and different functions can be selected using the rotary switches on the front panel.

ESR12Z-4DX-UC	4 contacts 16 A



IMPULSE SWITCH WITH CENTRAL CONTROL

Electronic impulse switches with selectable central control functions. 230 V LED load max. 200 W. Light bulb load max. 2000 W. Standby consumption only 0.03-0.4 watts. General control voltage 12-230 V AC/DC. LED indicator indicating the position of the contact.

Various central control and priority functions as well as operation after a power failure can be selected with the rotary switches on the front panel.

ES12Z-200-UC	2 NO contacts 16 A
ES12Z-110-UC	1 NO + 1 NC contact 16 A

MULTIFUNCTION TIME RELAYS

Several functions in the same device and programming of Bluetooth devices using the free ELTAKO Connect application.

+B1	
+A1	-A2
(N)	16
15(L)	18

Manuals and documents in further languages:
https://eltako.com/redirect/MFZ12DBT-UC

BLUETOOTH TIME RELAY

Digital multifunction time relay, with Bluetooth and 18 different functions. 1 potential-free changeover contact (CO) 10 A/250 V AC. 230 V LED load max. 200 W. Maximum Load 2000 W. Standby consumption only 0.1-0.3 watts. General control voltage 12-230 V AC/DC. The control voltage is the same as the operating voltage.

Programming either with the buttons and screen on the front panel or with the free ELTAKO Connect app. Direct Bluetooth connection from a smartphone or tablet to the relay. There are up to 18 different time functions to choose from, a clear functional description of all relay function options can be found in the application. When setting the time settings, all values can be selected separately with time intervals of 0.1-9.9 or 1-99 seconds, minutes or hours. The longest possible setting is 99 hours.

MFZ12DBT-UC	1 potential-free changeover contact (CO) 10 A

+B1	
+A1	-A2
15	
16	18
(N)	16
15(L)	18

Manuals and documents in further languages:
https://eltako.com/redirect/MFZ12DDX-UC

DIGITAL TIME RELAY

Digital multifunction time relay, with 18 different functions. 1 potential-free changeover contact (CO) 10 A/250 V AC. 230 V LED load max. 200 W. Load max. 2000 W. Standby consumption only 0.05-0.5 watts. General control voltage 12-230 V AC/DC. The control voltage is the same as the operating voltage.

Programming using the front panel buttons and display. Up to 18 different time functions to choose from. When setting the time settings, all values can be selected separately with time intervals of 0.1-9.9 or 1-99 seconds, minutes or hours. The longest possible setting is 99 hours.

MFZ12DDX-UC	1 potential-free changeover contact (CO) 10 A

+B1	+B2
+A1	-A2
15	
16	18
(N)	16
15(L)	18

Manuals and documents in further languages:
https://eltako.com/redirect/MFZ12DX-UC

TIME RELAY WITH ANALOG SETTINGS

Multifunction time relay with analog settings, 18 different functions. 1 potential-free changeover contact (CO) 10 A/250 V AC. 230 V LED load max. 200 W. Load max. 2000 W. Standby consumption only 0.02-0.6 watts. General control voltage 12-230 V AC/DC. The control voltage is the same as the operating voltage.

18 different relay and time functions can be selected with the rotary switches on the front panel. Time settings adjustable between 0.1 seconds and 40 hours.

MFZ12DX-UC	1 potential-free changeover contact (CO) 10 A

+A1		-A2
+E1	+F1	-E2
	N	
	t	
	L	
X1	X2	N
	L	

Manuals and documents in further languages:
https://eltako.com/redirect/MFZ12PMD-UC

TIME RELAY WITH LIGHT LEVEL CONTROLLER

Electronic multifunction time relay with light level function (light controller) and 18 different functions. Automatic load detection. Height 400 W. Dimming level can be set to ON mode (50-100 %) and to OFF mode (0-49 %). General control voltage 12-230 V UC and in addition general central control inputs ON and OFF 8-230 V UC. Standby consumption only 0.3 watts.

Use, for example, as a dimmer to reduce the lighting level with motion detectors, twilight switches or clock switches. Several different functions can also be selected, such as relay/impulse switch, switch-on/switch-off delay, pause/run time and pulse functions.

MFZ12PMD-UC	Multifunction time relay with power MOSFET max. 400 W

TIMERS

Several functions in the same device and programming of Bluetooth devices using the free ELTAKO Connect application.

Manuals and documents in further languages:
https://eltako.com/redirect/SU12DBT*1*1-UC

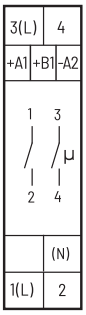
Manuals and documents in further languages:
https://eltako.com/redirect/S2U12DBT-UC

BLUETOOTH ASTRO TIMER

2-channel Bluetooth clock switches with ASTRO function. 230 V LED load max. 600 W incandescent load max. 2000 W. Standby consumption only 0.1-0.3 watts. Supply voltage 12-230 V UC. With zero point switching.

Programming either with the buttons and screen on the front panel or with the free ELTAKO Connect app. Direct Bluetooth connection from a smartphone or tablet to the clock switch. Two individually controllable channels with their own time programs and 60 different memory locations. You can make the desired time programs according to the time of day and/or sunrise and sunset.

SU12DBT/1+1-UC	1-DIN. Channel 1: 16 A/250 V AC. Channel 2: 50 mA/12-230 V UC
S2U12DBT-UC	2-DIN. Channel 1: 10 A/250 V AC. Channel 2: 10 A/250 V AC



Manuals and documents in further languages:
https://eltako.com/redirect/S2U12DDX-UC

ASTRO TIMER

2-channel clock switch with astro function. 1 + 1 NO potential-free contacts 16 A/250 V AC. 230 V LED load max. 600 W. Light bulb load max. 2000 W Supply voltage 12-230 V UC. Standby consumption only 0.03-0.4 watts. With zero point switching.

Programming using the front panel buttons and display. Two individually controllable channels with their own time programs and 60 different memory locations. You can make the desired time programs according to the time of day and/or sunrise and sunset.

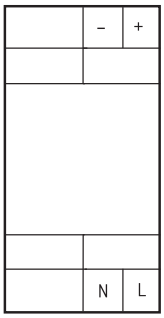
S2U12DDX-UC	1 + 1 potential-free NO contact 16 A

POWER SUPPLIES

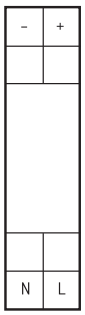
Power supplies with a wide voltage range, WNT15 for DIN rail and WNT61 flush mounted, 45 x 45 mm, depth 33 mm. Wide supply voltage range 88-264 V AC (110 V - 20% - 240 V + 10%). Efficiency with DIN-rail devices 91 %, with flush-mounted devices 86 %. Stabilized output voltage ± 1 %, low residual ripple. Short circuit protection. Overload protection and overtemperature shutdown.

WNT15-12VDC/24W	12 V DC, 24 W, 2 A. 1-DIN.
WNT15-24VDC/24W	24 V DC, 24 W, 1 A. 1-DIN.
WNT15-24VDC/48W	24 V DC, 48 W, 2 A. 2-DIN.
WNT15U/3,3-12V DC	Adjustable. 3,3 V/2 A, 5 V/2 A, 7,5 V/1,5 A, 9 V/1,3 A, 12 V/1 A. 12 W. 1-DIN.
WNT61-12VDC/10W	12 V DC, 10 W, 0,83 A.
WNT61-24VDC/10W	24 V DC, 10 W, 0,42 A.

Manuals and documents in further languages:
https://eltako.com/redirect/
WNT15-12VDC*24W



Manuals and documents in further languages:
https://eltako.com/redirect/
WNT15-24VDC*48W



Manuals and documents in further languages:
https://eltako.com/redirect/
WNT15U*3*3-12VDC

Manuals and documents in further languages:
https://eltako.com/redirect/
WNT61-12VDC*10W

ELECTROMECHANICAL IMPULSE SWITCHES

A wide selection of electromechanical impulse switch from ELTAKO's 75 years of experience.

S12-100-230V

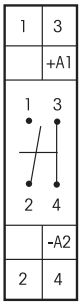
Manuals and documents in further languages:
https://eltako.com/redirect/S12-100-*200-*110

IMPULSE SWITCH 16 A

Electromechanical Impulse switches for DIN rail. with 1 and 2 contacts. 1 module = width 18 mm, depth 55 mm. With manual control and switch position indicator. Control power only 5-6 W.

S12-100-12V	1 normally open (NO) 16 A
S12-100-230V	1 normally open (NO) 16 A
S12-100-8V	1 normally open (NO) 16 A
S12-100-24V	1 normally open (NO) 16 A
S12-100-12V DC	1 normally open (NO) 16 A
S12-100-24V DC	1 normally open (NO) 16 A
S12-200-12V	2 normally open (NO) 16 A
S12-200-230V	2 normally open (NO) 16 A
S12-200-8V	2 normally open (NO) 16 A
S12-200-24V	2 normally open (NO) 16 A
S12-200-12V DC	2 normally open (NO) 16 A
S12-200-24V DC	2 normally open (NO) 16 A
S12-110-12V	1 normally open (NO) + 1 normally closed (NC) 16 A
S12-110-230V	1 normally open (NO) + 1 normally closed (NC) 16 A
S12-110-8V	1 normally open (NO) + 1 normally closed (NC) 16 A
S12-110-24V	1 normally open (NO) + 1 normally closed (NC) 16 A
S12-110-12V DC	1 normally open (NO) + 1 normally closed (NC) 16 A
S12-110-24V DC	1 normally open (NO) + 1 normally closed (NC) 16 A

XS12-110-230V



Manuals and documents in further languages:
https://eltako.com/redirect/XS12-100-*200-*110-

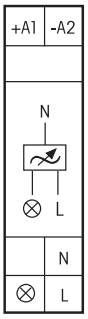
IMPULSE SWITCH 25 A

Electromechanical impulse switches for DIN rail. with 1 and 2 contacts. 1 module = width 18 mm, depth 55 mm. With manual control and switch position indicator. Control power only 5-6 W.

XS12-100-230V	1 normally open (NO) 25 A
XS12-200-230V	2 normally open (NO) 25 A
XS12-110-230V	1 normally open (NO) + 1 normally closed (NC) 25 A

DIN RAIL MOUNTED DIMMERS

Creating lighting levels for every situation

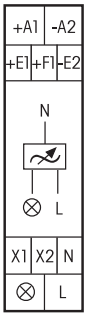


Manuals and documents in further languages:
https://eltako.com/redirect/EUD12NPN-UC

STANDARD DIMMER

**Universal dimmer for all lighting loads. LED load capacity max. 400 W.
Automatic load detection. No minimum load is required. Standby consumption only 0.2 watts. Minimum or maximum lighting level, dimming speed and memory function on/off adjustable with rotary switches on top of the device. Maximum power rating for incandescent, halogen, and LED lamps is 400 W.**

EUD12NPN-UC	Universal dimmer, power MOSFET max. 400 W

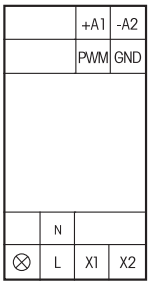


Manuals and documents in further languages:
https://eltako.com/redirect/EUD12D-UC

MULTIFUNCTION DIMMER

Digital multifunction dimmer for all lighting loads. LED load capacity max. 400 W. Automatic load detection. No minimum load is required. Standby consumption only 0.3 watts. Precisely adjustable using the LCD screen and buttons. General control voltage 12-230 V UC. If necessary, the load capacity can be increased with one or more LUD12-230 V. Maximum power rating for incandescent, halogen, and LED lamps is 400 W. The minimum level, maximum level, dimming speed and soft on/off switching and memory function on/off etc. can be precisely adjusted using the screen and buttons. Control inputs for low voltage buttons and separate up/down dimming buttons.

EUD12D-UC	Multifunction dimmer, power MOSFET max. 400 W



Manuals and documents in further languages:
https://eltako.com/redirect/EUD12DK*800W-UC

DIMMER WITH ROTARY CONTROL

Universal dimmer with rotary knob for all lighting loads. LED load capacity max. 800 W. Automatic load detection. No minimum load is required. Standby consumption only 0.2 watts. The minimum and maximum level of lighting can be adjusted. Control voltage input 8-230 V UC, for ON/OFF switching. If necessary, the load capacity can be extended with one or more LUD12-230V. Maximum power rating for incandescent, halogen, and LED lamps is 800W. Areas of use e.g. restaurants, shops, business premises, hotels etc. areas where you want to adjust the standard lighting level and only switch on/off with a button. Dimming only with the rotary knob on the top of the device. Switching on and off with the button on the top of the device or with a separate wired push button.

EUD12DK/800W-UC	Universal dimmer, power MOSFET max. 800 W

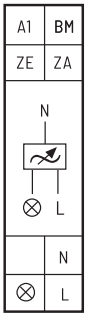
Manuals and documents in further languages:
https://eltako.com/redirect/LUD12-230V

BOOSTER UNIT FOR DIMMERS

**Booster unit for dimmers. Power MOSFET transistor max. 400 W. Standby consumption only 0.1 watts. The booster unit can be used to increase the EUD12D-UC or EUD12DK/800W-UC dimmer LED load capacity, if necessary, 100 W per one LUD12-230V power unit.
A maximum of 9 units can be placed in a row.**

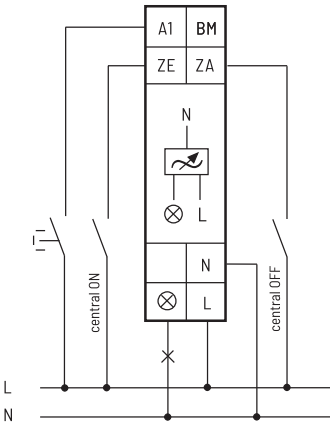
LUD12-230V	Power unit max. 400 W

DIN RAIL MOUNTED DIMMER WITH TIMER AND BLUETOOTH



Manuals and documents in further languages:
https://eltako.com/redirect/EUD12NPN-BT*300W-230V

Typical connection



EUD12NPN-BT/300W-230V

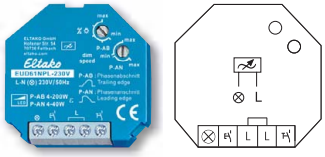
Universal dimmer switch with integrated timer, Bluetooth and ELTAKO Connect-App. Power MOSFET up to 300 W. Automatic lamp detection. Standby loss 0,3 watt only. Minimum brightness, maximum brightness, dimming speed, switching operation for children's rooms, snooze function, motion detector, ON, OFF, TI, ER, ESV, TLZ, MIN, MMX, Programs with time or astro function, time offset solstice, date and time, location and Bluetooth can be set via the app according to the operating instructions.

Modular device for DIN EN 60715 TH35 rail mounting. 1 module = 18 mm wide, 58 mm deep.
Universal dimmer switch for lamps up to 300 W, depending on ventilation conditions, dimmable 230 V LED lamps and dimmable energy saving lamps (ESL) are also dependent on the lamp electronics and the and the dimming technology.
Switching with soft start and soft OFF to protect lamps.
Control, supply and switching voltage 230 V.
The integrated timer has up to 10 program memory locations. With date and automatic summer time/winter time changeover. Power reserve without battery approx. 5 days. Each memory location can be used either with the Astro function (automatic switching after sunrise or sunset), or one of the 9 functions (On, Off, On with dimming value in %, On with memory value, light alarm clock, snooze switch, On with residual brightness, Off with residual brightness, TI).
In case of a power failure the switching position and the brightness level are stored and is switched on if necessary when the supply voltage returns.
Automatic electronic overload protection and over-temperature switch-off.
When **delivered**, the **'Auto'** operating mode is active. Short control commands at the local control input switch on/off, permanent control changes the brightness up to the maximum value. An interruption in the control changes the dimming direction. The central control is active, with priority and the motion detector switches on with the memory value. In order to change or configure the operating mode, the connection must be established with the ELTAKO Connect-App.
Connect the timer to the app:
Press the button on the front for 6 seconds, the blue LED flashes. The connection can now be established with the app (delivery status **PIN123123**). The flashing of the blue LED signals that the pairing is ready. This ends automatically after 3 minutes, but can also be ended manually by pressing a button for >6 seconds. Scan the QR code on the operating instructions, the app will guide you through the learning process. After the connection to the app has been established, the blue LED lights up permanently. If the connection is not disconnected via the app, it will automatically disconnect after 20 minutes of no interaction with the app. After disconnecting the connection via the app, the dimmer switch signals its readiness for pairing again and the blue LED flashes.
Change PIN: The PIN for the Bluetooth connection can be changed in the app under the **Device PIN** entry.
Bluetooth reset (delete any changed PIN): Briefly tap the button on the front 8 times.
AUTO allows the dimming of all lamp types.
Leading edge LC1-LC3 are comfort positions with different dimming curves for dimmable 230 V LED lamps, which cannot be dimmed far enough on auto due to their design and therefore have to be forced to leading edge.
Trailing edge LC4-LC6 are comfort positions with different dimming curves for dimmable 230 V LED lamps, which cannot be dimmed far enough on Auto.
No inductive (wound) transformers may be used in the leading edge and trailing edge settings.
In addition, due to the design, the maximum number of lamps may be lower than in automatic mode.
By briefly pressing the button on the front, you can always switch it on and off manually.
The control input A1 is used to control pulses using a universal button. A direction button for 'off' can be connected via the diode RTD (any polarity). Another direction button for 'on' is connected directly to A1. With the first control pulse 'off', the dimmer switch switches control input A1 to 'direction button'.
In order to switch control input A1 back to 'universal button', the supply voltage must be briefly switched off or switched in the app under basic settings. A motion detector can be connected via the BM control input. The additional control inputs ZE and ZA are used to control centrally on and off with priority.
With priority because these control inputs cannot be overridden by other control inputs **as long as** the central control contact is closed. The green LED lighting up signals the activation of one of the four control inputs.

EUD12NPN-BT/ 300W-230V	Universal dimmer switch, Power MOSFET up to 300 W

FLUSH MOUNTED DIMMERS

Suitable lighting for every situation with ELTAKO light controls.

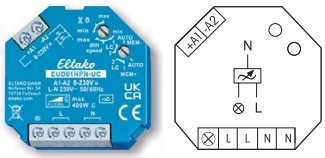


Manuals and documents in further languages:
https://eltako.com/redirect/EUD61NPL-230V

UNIVERSAL DIMMER WITHOUT NEUTRAL

Universal flush mounted dimmer, without neutral wire. 45 x 45 mm, depth 18 mm. LED load capacity, with falling edge setting (P-AB) max. 200 W and rising edge with setting (P-AN) max. 40 W. Minimum load only 4 W.

EUD61NPL-230V	Universal dimmer, without neutral wire



Manuals and documents in further languages:
https://eltako.com/redirect/EUD61NPN-UC

UNIVERSAL DIMMER

Light controller/button dimmer to the device box, needs a neutral wire. 45 x 45 mm, depth 18 mm. LED load capacity max. 400 W, no minimum load required. General control voltage 8-230 V UC.

EUD61NPN-UC	Universal dimmer, needs a neutral wire

Manuals and documents in further languages:
https://eltako.com/redirect/GLE

BASE LOAD

Accessory base load for the solution of various low load problems. PTC resistor with connecting wires. Resistance: 3500 Ω.

GLE	Base load with connecting cables

Manuals and documents in further languages:
https://eltako.com/redirect/UIB70

UIB70

Universal Installation Box for all flush mounted eltako devices

L x W x H: 70 x 56 x 37 mm.
For installing a device from the 61, 62, 64, 81 and 91 series.
Base plate for wall mounting with 4 holes for screw mounting, hole spacing 56 x 40 mm.
Housing for snapping onto the base plate, with ventilation slots, cable entry and cable strain relief with commercially available cable ties up to 2.6 mm. Protection class IP20.

UIB70	Universal installation box blue

Manuals and documents in further languages:
https://eltako.com/redirect/FD2G71L-230V

DALI-2 GATEWAY

Wireless DALI-2 gateway, bidirectional. 2 watt standby loss.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible.
Installation for example in suspended ceilings and lamps.
252 mm long, 46 mm wide and 31 mm high. With cable fixation.
With the FD2G71L gateway, DALI devices are controlled with EnOcean sensor telegrams.
Up to 64 DALI and DALI-2 devices as well as 64 DALI-2 sensors can be operated on the FD2G71L, considering the available current of the FD2G71L.
Groups 0-15 can be controlled and the **broadcast command** can be sent. In addition **DALI scenes 0-15** can be controlled.

FD2G71L-230V	Wireless DALI-2 gateway

Manuals and documents in further languages:
https://eltako.com/redirect/DL2-BH98S-pm

DL2-BH98S-pm

DALI-2 motion/brightness sensor standard. Application controllers and instances.
Protection class: IP 20.

DALI-2 certified. The DL2-BH98 is connected directly to the DALI bus and powered by it. A DALI bus power supply is required; no additional power supply is required. Maximum current consumption 3.5 mA.

4 operating modes:
- Movement triggered
- Movement triggered with constant light control
- Constant light control
- Light control (4 thresholds)

Motion detector:
Detection range: 12 m
Typical mounting height : 8 m
Zones: 92
Horizontal: ± 51 °
Vertical: ± 46 °

Light sensor:
Range: 0-2047 lux (11 bit), resolution: 1 lux
Event: 0-2047 lux (10 bit), resolution: 2 lux

DL2-BH98B-pm	DALI-2 motion/brightness sensor office

MATTER

The New Open Standard for Home Control

Manuals and documents in further languages:
https://eltako.com/redirect/ESR64NP-IPM

ESR64NP-IPM

Impulse switch with integrated relay function with IP, Matter via Wi-Fi, optionally EnOcean, 1 NO contact not potential free 16 A/250 V AC, 230 V LED lamps up to 600 W, 230 V incandescent lamps and halogen lamps 2000 W. REST-API. Only 0.7 watt standby loss.

ESR64NP-IPM	Impulse switch with integrated relay function with IP, Matter via Wi-Fi, optionally EnOcean, 1 NO contact not potential free

Manuals and documents in further languages:
https://eltako.com/redirect/EUD64NPN-IPM

EUD64NPN-IPM

Universal dimming actuator with IP, Matter via Wi-Fi, optionally EnOcean. With power MOSFET. Dimmable 230 V LED lamps in 'trailing edge' mode up to 300 W or in 'leading edge' mode up to 100 W depending on ventilation conditions. 230 V incandescent lamps and halogen lamps up to 300 W depending on ventilation conditions. No minimum load. REST-API. Only 0.7 watt standby loss.

EUD64NPN-IPM	Universal dimming actuator IP, Matter via Wi-Fi, optionally EnOcean, up to 300 W, REST-API

Manuals and documents in further languages:
https://eltako.com/redirect/EOA64

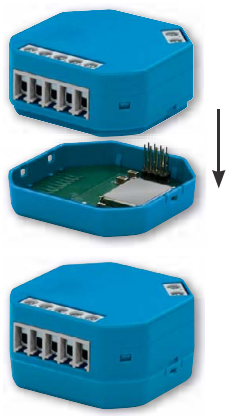
EOA64

For flush mounting with series 64. 46 x 45 mm, 9 mm deep.

EnOcean plug-in adapter for series 64. With the EnOcean plug-in adapter, compatible EnOcean devices can be taught into the series 64. In addition, these EnOcean devices can be forwarded to various ecosystems via Matter.

ATTENTION: A series 64 actuator is required, onto which the adapter is plugged.

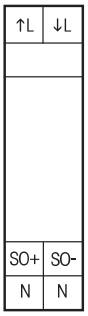
EOA64	EnOcean plug-in adapter for series 64



Series 64 with adapter EOA64

ENERGY METERS

ELTAKO's range of MID certified (Blue) and non-MID (Grey) in accordance with EU directive (MID) 2004/22/EC



Manuals and documents in further languages:
https://eltako.com/redirect/WSZ15D-32A_MID

SINGLE PHASE ENERGY METER MID

MID

Single phase energy meter, MID-approved. Maximum current 32 A. Standby consumption only 0.4 W. The LCD can read the total energy consumption in kWh, the total consumption stored in the resetable memory RS (kWh), the instantaneous power consumption P (kW), the instantaneous voltage U (V) and the instantaneous current I (A).

WSZ15D-32A MID	Single-phase energy meter, MID

Manuals and documents in further languages:
https://eltako.com/redirect/DSZ15D-3*80A_MID

3-PHASE ENERGY METER MID

MID

3-phase energy meter, MID-approved. Maximum current 3 x 80 A. Standby consumption only 0.5 W/wire. The liquid crystal display can read the tariff-specific total energy consumption T1 and T2 (kWh), total consumption (kWh), instantaneous current consumption P (kW), instantaneous voltage U (V) and instantaneous current I (A) per phase stored in the resettable RS1 and RS2 memory.

DSZ15D-3x80A MID	Three-phase energy meter, MID

Manuals and documents in further languages:
https://eltako.com/redirect/DSZ15WD-3*5A_MID

3-PHASE ENERGY METER MID FOR CURRENT TRANSFORMER MEASUREMENT

MID

CT operated 3-phase energy meter, with adjustable CT ratio and MID approval. For indirect current transformer measurement. Maximum current 3 x 5 A. Adjustable conversion ratios for most different current transformers. Standby consumption only 0.5 W/wire. You can read on the liquid crystal display total energy consumption T1 (kWh), total consumption stored in resettable RS1 and RS2 memory (kWh), instantaneous current consumption P (kW), instantaneous voltage U (V) and instantaneous current I (A) per phase.

Adjustable current transformer ratios: 5:5, 50:5, 100:5, 150:5, 200:5, 250:5, 300:5, 400:5, 500:5, 600:5, 750:5, 1000: 5, 1250:5 and 1500:5750:5, 1000:5, 1250:5 ja 1500:5.

DSZ15WD-3x5A MID	3-phase, indirect measurement, MID

Manuals and documents in further languages:
https://eltako.com/redirect/DSZ15DZMOD-3*80A_MID

BIDIRECTIONAL 3-PHASE ENERGY METER MID, MODBUS

NEW MID

Bidirectional 3-phase Modbus energy meter, for example for solar panel installations. Maximum current 3 x 80 A. MID approved. with Modbus/RTU (RS485) interface. The meter can also be used 1-way. LCD display can read the total energy consumption per consumption and output (kWh), the total consumption stored in the resettable memory per consumption and output (kWh), instantaneous current consumption P (kW), instantaneous voltage U (V) and instantaneous current I (A) per phase.

DSZ15DZMOD-3x80A MID	Two-way 3-phase energy meter, MID approved, Modbus

Modbus

ENERGY METERS

ELTAKO's range of MID certified (Blue) and non-MID (Grey) in accordance with EU directive (MID) 2004/22/EC. The MID meter is always needed when the meter reading is used for invoicing as a basis in the territory of the European Union.

Manuals and documents in further languages:
https://eltako.com/redirect/WSZ15DE-32A

1-PHASE ENERGY METER

1-phase energy meter. Maximum current 32 A. Standby consumption only 0.4 W. The liquid crystal display of the device alternates between total energy consumption (kWh) and momentary power consumption (W).

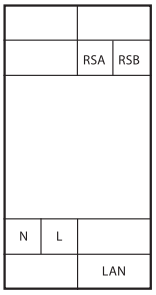
WSZ15DE-32A	1-phase, direct measurement, not MID approved

Manuals and documents in further languages:
https://eltako.com/redirect/DSZ15DZE-3*80A

3-PHASE ENERGY METER

3-phase energy meter. Maximum current 3 x 80 A. Standby consumption only 0.5 W/wire. The liquid crystal display can read the tariff-specific total energy consumption T1 and T2 (kWh), the total consumption stored in the resetable memory RS1 and RS2 (kWh), instantaneous power consumption P (kW), instantaneous voltage U (V) and instantaneous current I (A) per phase.

DSZ15DE-3x80A	3-phase, direct measurement, not MID approved



Manuals and documents in further languages:
https://eltako.com/redirect/ZGW16WL-IP

MQTT GATEWAY WITH IP INTERFACE

Gateway with IP interface via WLAN and LAN. Only 0.9 watt standby loss.

Modular devices for DIN-EN 60715 TH35 rail mounting.
2 modules = 36 mm wide, 58 mm deep.
The WLAN connection uses the 2.4 GHz frequency band. The LAN connection is via RJ45 connector with 10/100Base-T.
The IP connection is via LAN and WLAN. The gateway transmits data from any ELTAKO Modbus electricity meter using the MQTT protocol and REST-API. The data is transferred from the ZGW16WL-IP to any external MQTT broker. For more details on MQTT see: www.mqtt.org.
Commissioning and viewing the current meter values and history are possible via both the ELTAKO Connect app and the web interface.
Configurations and updates are made via the web interface.
A REST API is available on the device's online product page.

ZGW16WL-IP	Modbus energy meter MQTT Gateway via WLAN and LAN; MQTT and REST-API

ELTAKO Connect app
https://eltako.com/redirect/eltako-connect

MEASURE AND CONTROL THE OUTPUT OF SOLAR PANELS

MFSR12DX is a device that is used together with, for example, ELTAKO's two-way DSZ15DZ-3x80A MID or DSZ15DZE-3x80A energy meter, or other such energy meter with two S0 outputs or an IR connection. It has an individually adjustable switch-on and switch-off power value, so that different consumer devices can be switched on when the adjusted output value is reached. Therefore, it can be used to direct the energy produced by the solar panels to, for example, charging an electric car or heating a hot water heater, just when the sun is shining. The adjustable switch-off delay, on the other hand, prevents the power supply from being interrupted immediately if, for example, clouds appear in front of the sun for a moment.

Manuals and documents in further languages:
https://eltako.com/redirect/MFSR12DX-230V

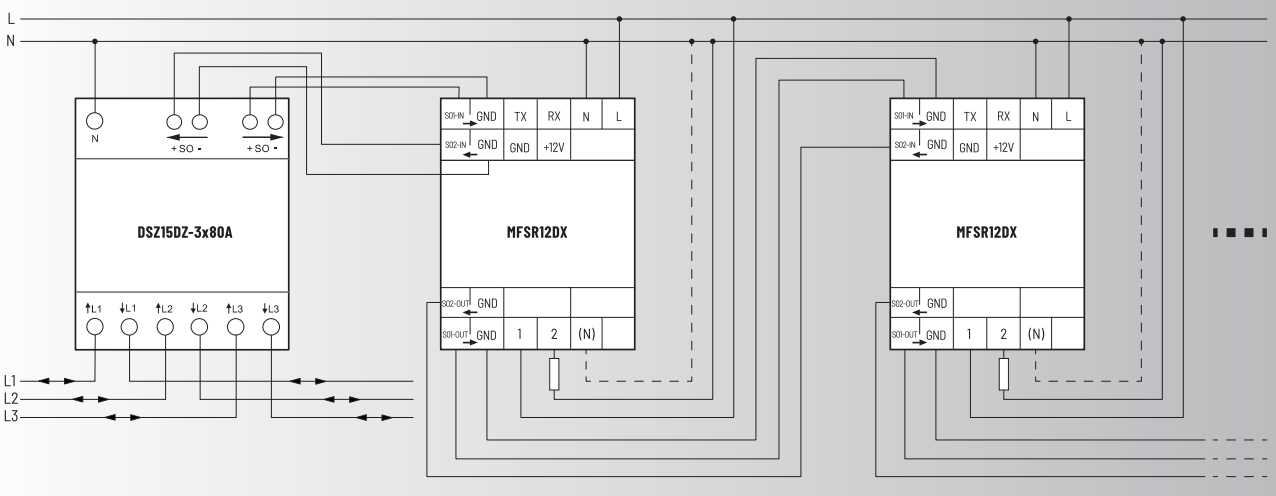
MULTIFUNCTIONAL CURRENT RELAY FOR 2-WAY 3-PHASE ENERGY METERS

Multifunction current relay for bidirectional three-phase meters with two S0 inputs and two S0 outputs or IR interface according to IEC 62056-21. 1 NO potential-free contact 16 A/250 V AC. Standby consumption only 0.6 watts.

For DIN rail installation, only 3 modules = width 54 mm, depth 58 mm.
The switch-on values set with the rotary switch (kW grid <—) are: 0, 0.5, 1, 2, 3, 5, 7, 9, 11, 22 kW.
This switching threshold determines when the relay contact switches on.
The switch-off values set with the rotary switch (kW grid —>) are: 0, 0.5, 1, 2, 3, 5, 7, 9, 11, 22 kW.
This switching threshold determines when the relay contact switches off. Switch-on delay (AV), can be set to 0, 1, 3, 5, 10, 15, 30, 60, 90, 120 minutes.
After the set switch-on delay has ended, the relay contact switches on if the power (kW) has not fallen below the set input limit value.
Switch-off delay (RV), can be set to 0, 1, 3, 5, 10, 15, 30, 60, 90, 120 minutes. At the end of the set switch-off delay, the relay contact switches off if the power (kW) is has fallen below the set consumption limit.

MFSR12DX-230V	Multifunction current relay for 2-way. 3-phase energy meter

Typical connection



MEASURE AND CONTROL THE YIELD OF SOLAR PANELS
PORTABLE ENERGY METERS

Manuals and documents in further languages:
https://eltako.com/redirect/DSZ15DZ-3*80A_MID

TWO-WAY 3-PHASE ENERGY METER MID

MID

Bidirectional 3-phase energy meter, especially for solar panel installations. MID approved. Maximum current 3 x 80 A. Standby consumption only 0.5 W/wire. Two S0 connections. The liquid crystal display can read the total energy consumption per consumption and output (kWh), the total consumption stored in the resettable memory per consumption and output (kWh), instantaneous power consumption P (kW), instantaneous voltage U (V) and instantaneous current I (A) per phase.

The DSZ15DZ-3x80A MID energy meter can also be used without the MFSR12DX and, for example, supplement installation, if necessary, later with a multi-function current relay.

DSZ15DZ-3x80A MID	Two-way 3-phase energy meter, MID approved

Manuals and documents in further languages:
https://eltako.com/redirect/DSZ15DZE-3*80A

TWO-WAY 3-PHASE ENERGY METER

Bidirectional 3-phase energy meter, especially for solar panel installations. No MID approval. Maximum current 3 x 80 A. Standby consumption only 0.5 W/wire. Two S0 connections. The liquid crystal display can read the total energy consumption per consumption and output (kWh), the total consumption stored in the resettable memory per consumption and output (kWh), instantaneous power consumption P (kW), instantaneous voltage U (V) and instantaneous current I (A) per phase.

The DSZ15DZE-3x80A energy meter can also be used without the MFSR12DX and, for example, supplement the installation later with a multi-function current relay if necessary.

DSZ15DZE-3x80A	Two-way 3-phase energy meter, not MID approved

PORTABLE 1-PHASE ENERGY METERS WITH CEE PLUGS

NEW MID

Mobile 1-phase energy meter Caravan (CEE) with male and female plugs. Suitable for indoor and outdoor use. MID approved. Connection cable 1.5 m (incl. plugs). Maximum current 16 A. Standby consumption only 0.4 W. IP54.

WSZ155CEE-16A MID	1-phase, Caravan, MID approved
WSZ155CEE-16A+PRCD MID	1-phase, Caravan+residual current protection, MID-approved

Manuals and documents in further languages:
https://eltako.com/redirect/WSZ155CEE-16A_MID

Manuals and documents in further languages:
https://eltako.com/redirect/WSZ155CEE-16A*PRCD_MID

PORTABLE 3-PHASE ENERGY METERS WITH 16 A OR 32 A PLUGS

MID

Mobile 3-phase energy meter 16 A/32 A male and female with plugs. Suitable for indoor and outdoor use for outdoor use. MID approved. Connection cable 1.5 m (incl. plugs). Maximum current 16 A/32 A. Standby consumption only 0.5 W/wire. IP54.

DSZ180CEE-16A MID	3-phase, 16 A, MID-approved
DSZ180CEE-32A MID	3-phase, 32 A, MID-approved

Manuals and documents in further languages:
https://eltako.com/redirect/DSZ180CEE-16A_MID

Manuals and documents in further languages:
https://eltako.com/redirect/DSZ180CEE-32A_MID

IPAD DOCKING STATION

Manuals and documents in further languages:
https://eltako.com/redirect/OnWall

OnWall-/ and OnWall/2-

Apple Ipad docking station with charging function. Can be removed at any time. Surface mounting via an electronic flush-mounted box. Milled from an aluminium block. Power supply 110-240 V AC to USB included. Dimensions: 140.0 x 220.0 x 18.0 mm.

OnWall-al	Universal wall docking station for all Lightning iPads, with charging function, natural aluminium
OnWall-sz	Universal wall docking station for all Lightning iPads, with charging function, black anodized aluminium
OnWall/2-al	Universal wall docking station for USB-C iPads up to 11", with charging function, natural aluminium
OnWall/2-sz	Universal wall docking station for USB-C iPads up to 11", with charging function, black anodized aluminium

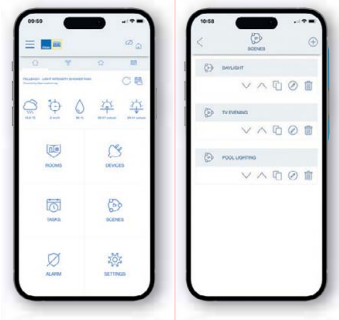
Manuals and documents in further languages:
https://eltako.com/redirect/InWall-10-sz

InWall/10.9-sz

Wall docking station with charging function for fixed vertical or horizontal flush mounting for Apple iPad 10.9" tablets. With wall flush mounting case. Aluminium frame and black glass frame. The glass frame has small openings for the microphone and speaker, so they are accessible even when the iPad is docked. External power supply included, 110-240 V AC-USB. External dimensions of the dock: 226.0 x 315.0 x 78.0 mm, dimensions of the flush-mounted housing: 215.0 x 305.0 x 78.0 mm.

InWall-10-sz	In-wall docking station for iPads 10,9" with charging function, black anodized aluminium with black glass cover

90 mm



ELTAKO GFA5 app

MINISAFE 2 - CONTROL UNIT

MiniSafe2 is ELTAKO's smallest and widely compatible home control control unit. With the help of the control unit, EnOcean-compatible sensors and actuators can be controlled with a smartphone conveniently and centrally with the free GFA5 application and voice commands. This enables lighting, curtains, energy meters, air conditioners, various connecting safety devices and many other devices easily and flexibly with each other, so your living environment becomes a professional smart home in no time. The basic equipment includes application-based automation, update and backup functions. Switching from older ELTAKO controllers to using MiniSafe2 is possible. MiniSafe2 can be used locally in offline mode, no internet connection required. Remote access and connection to the cloud service can optionally be activated later during use. Internet connection and a WiFi network are required for installation.

Also available MiniSafe2-REG version with DIN rail mounting and external EnOcean (FA250) antenna.

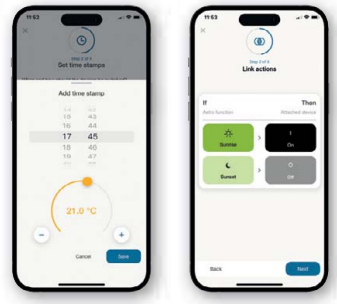
MiniSafe2	Home control control unit
MiniSafe2-REG	Home control control unit, for DIN rail

Manuals and documents in further languages:
https://eltako.com/redirect/eltako-gfa5

Manuals and documents in further languages:
https://eltako.com/redirect/MiniSafe2

CONTROLLER WIBUTLER PRO (2ND GEN.)

wibutler pro 2
controller



wibutler app ELTAKO Edition

Manuals and documents in further languages:
https://eltako.com/redirect/WP2

WP2

wibutler pro (2nd gen.) Controller with app ELTAKO Edition. The wibutler pro (2nd gen.) is a future-proof center for building control, energy regulation and alarm messages. Due to its high flexibility, it offers a wide range of possible applications for new buildings and existing properties. It combines sustainable communication standards with variable installation options and high data protection standards. The wibutler pro (2nd gen.) is compatible with more than 300 devices from over 30 different top brands and securely networks them with each other. The cross-manufacturer and cross-trade optimisation raises building services to a whole new level.
Smart home server.

TECHNICAL SPECIFICATIONS	
Dimensions	(L x W x H) 13,2 x 13,2 x 2,6 cm
Power supply	input 5 V/3 A DC, power supply unit 100 V-240 V AC, 50/60 Hz
Interfaces / Connectors - EU	1 x Ethernet RJ45, 2 x 2.0 USB port
Processor	1 GHz CPU Cortex-A7 Dual Core
Network	WLAN IEEE 802.11 /b/g/n 2.4 GHz
Wireless protocols	EnOcean/868.3 MHz, ZigBee 3.0, Matter (possible in principle), TCP/IP, Low power radio/2.4 GHz, WLAN/802.11 b/g/n 2.4 GHz
Hard disk	integrated 4 GByte eMMC; RAM: 1 GByte RAM
Color	white

WP2	wibutler pro (2nd gen.) Controller

THE WIBUTLER CONCEPT

wibutler is a manufacturer independent Professional 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 wibutler pro 2 Controller. Thanks to multiple wireless standards (EnOcean, ZigBee 3.0, WLAN), it is extremely compatible and is capable of networking products irrespective of the manufacturer. The controller unifies the corresponding wireless standards and thus makes it possible to network products from different standards, manufacturers and industries. The wibutler pro can be used offline, which is why an internet connection is not necessary.

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 a team. Devices react by means of if/then rules to movements and 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:** With the wibutler, the status of devices can be displayed and changed conveniently via smartphones and tablets while on the move.
- **Consumption logs:** The wibutler measures consumptions and shows where is the greatest savings 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).

Manuals and documents in further languages:
https://eltako.com/redirect/F2T55EB-

WIRELESS PUSHBUTTONS

Wireless and battery free (Kinetic) 2 and 4 channel pushbuttons in E-55 Design. Available in White and Anthracite.

F2T55E-wg	Wireless and battery-free button, 1-part. lever+frame, pure white glossy
F2T55E-am	Wireless and battery-free button, 1-part. lever+frame, anthracite mat
F4T55E-wg	Wireless and battery-free button, 2-part. levers+frame, pure white glossy
F4T55E-am	Wireless and battery-free button, 2-part. levers+frame, anthracite mat

Manuals and documents in further languages:
https://eltako.com/redirect/FNSN55EB-

HANDS FREE SWITCHING

Wireless 1-way proximity sensor with NanoPower technology in E-Design55, 80 x 80 mm external dimensions, internal frame dimensions 55 x 55 mm, 15 mm high. Thanks to NanoPower, up to 30 years of battery life. Smart Home sensor. By approaching and removing the hand to approx. 10 cm, this proximity sensor sends radio telegrams, like a 1-channel radio pushbutton. The mounting plate can be screwed over a flush-mounting box with a screw spacing of 60 mm or screwed on a flat surface. The wireless proximity sensor can be glued to the wall, on glass or on furniture using the enclosed adhesive foil.

FNSN55EB-am	Wireless proximity switch, anthracite mat
FNSN55EB-pg	Wireless proximity switch, polar white glossy
FNSN55EB-pm	Wireless proximity switch, polar white mat
FNSN55EB-wg	Wireless proximity switch, pure white glossy

Manuals and documents in further languages:
https://eltako.com/redirect/F6T55EB-

SIX BUTTON CONTROL

Wireless 6-way pushbutton as keypad, laser engraved, in E-Design55, 80 x 80 mm external dimensions, internal frame dimensions 55 x 55 mm, 15 mm high. Whisper quiet and with battery (lifetime 5-8 years). The wireless 6-way pushbutton can send 6 evaluable pushbutton telegrams. It basically consists of an 'upper 4-channel pushbutton' and a 'lower 2-channel pushbutton'. The mounting plate can be screwed over a flush-mounting box with a screw spacing of 60 mm or screwed on a flat surface. The wireless pushbutton can be glued to the wall, on glass or on furniture using the enclosed adhesive foil.

F6T55EB-Keypad-am	Wireless 6-way pushbutton as keypad, anthracite mat
F6T55EB-Keypad-pg	Wireless 6-way pushbutton as keypad, polar white glossy
F6T55EB-pm	Wireless 6-way pushbutton as keypad, polar white mat
F6T55EB-wg	Wireless 6-way pushbutton as keypad, pure white glossy

WIRELESS WINDOW/DOOR CONTACTS

Wireless window/door contacts work in the same way as wireless buttons and you can connect them to most of ELTAKO's wireless relays and light controls.

enocean

Manuals and documents in further languages:
https://eltako.com/redirect/FTKE-rw

WIRELESS WINDOW/ DOOR CONTACT

Wireless and battery-free window/door contact, pure white. Dimensions 48 x 32 x 11.5 mm. Produces itself the current needed to send a wireless message when the contact is pressed, so no batteries and no standby consumption. Fastening by gluing with the supplied double-sided sticker, by screwing, or using the supplied BW3 mounting bracket.

Really versatile, use for example as a limit switch or to connect lighting with different doors and windows. Can be used either as NO or NC. Can be connected, for example, to wireless FSR61 or FSR14 relays.

FTKE-rw	Wireless and battery-free window/door contact, pure white

enocean

Manuals and documents in further languages:
https://eltako.com/redirect/FFKB-

WIRELESS WINDOW/ DOOR MAGNETIC CONTACT

Wireless window/door magnetic contact with solar cell and battery (battery life 7 years). Dimensions 75 x 25 x 12 mm, magnet dimensions 37 x 10 x 6 mm. Fastening by gluing with the supplied double-sided sticker.

Use, for example, to connect lighting with different doors and windows. Let's connect for example, to wireless FSR61 or FSR14 relays.

FTKB-wg	Wireless window/door magnetic contact with battery, pure white glossy
FTKB-am	Wireless window/door magnetic contact with battery, anthracite mat

enocean

Manuals and documents in further languages:
https://eltako.com/redirect/FMH1W-anso

WIRELESS MINI REMOTE CONTROLLER - ASSISTED LIVING

Wireless and battery-free mini remote control with one button, waterproof. Dimensions 72 x 30 mm, height 15 mm. Weight only 34 grams. Generates the current needed to send a wireless message at the push of a button, so no batteries or standby consumption.

Use, for example, to switch lighting etc. on/off, to control lifting doors, etc. Connects to any wireless relays or dimmers.

FMH1W-wg/rot	Wireless mini remote control, waterproof, battery-free

enocean

Manuals and documents in further languages:
https://eltako.com/redirect/FKS-SV

WIRELESS RADIATOR CONTROLLER

Wireless small actuator Smart Valve for radiators. Without batteries and wire connection. With thermic Energy Harvesting. Bidirectionale wireless with EnOcean protocol EEP A5-20-01. Function: The actuator obtains its power supply from the temperature difference (ΔT > 4K) between the radiator and the room. The internal storage device prevents power supply bottlenecks needed to run the actuator.
Application. The FKS-SV is designed for controlling radiators in homes and businesses, working in conjunction with our FUTH thermostats or MiniSafe2.

FKS-SV	Wireless Radiator Valve Controller

enocean

Manuals and documents in further languages:
https://eltako.com/redirect/FWS81

WIRELESS LEAK DETECTOR

Wireless and battery free Leak Detector. Fibre disc swell when wet to drive a kinetic plunger, which in turn sends out a wireless signal that a leak has been detected. Size 88 x 50 x 30 mm. No stand-by loss.

FWS81	Wireless Water Leak Detector in White

enocean

Manuals and documents in further languages:
https://eltako.com/redirect/FB55EB-

WIRELESS PIR MOTION DETECTOR

Wireless PIR motion detector with battery (battery life 3 years). Surface installation with screws on top of the device box or on any surface with the supplied adhesive film. Dimensions: 80 x 80 x 27 mm. Includes ELTAKO E-Design55 frame.

The motion sensor is connected, for example, to wireless FSR61 and FSR14 relays or FUD61 and for FUD14 dimmers.

FB55EB-wg	pure white glossy
FB55EB-am	anthracite mat

enocean

Manuals and documents in further languages:
https://eltako.com/redirect/FHD60SB-wg

WIRELESS TWILIGHT SENSOR

Wireless twilight switch for indoor and outdoor installation, with solar cell and battery (battery life 5-8 years). Protection class IP54. Pure white. Surface mounted. Dimensions: 60 x 46, height 30 mm.

The twilight switch is connected, for example, to wireless FSR61 and FSR14 relays or FUD61 and for FUD14 dimmers.

FHD60SB	Wireless twilight switch for indoor and outdoor installation, with solar cell and battery.

enocean

Manuals and documents in further languages:
https://eltako.com/redirect/FTR55EHB-

WIRELESS THERMOSTAT

Wireless thermostat with rotary knob and battery (battery life 4 years). Surface installation with screws on top of the device box or on any surface with the supplied adhesive film. Dimensions: 80 x 80 x 27 mm. Includes ELTAKO E-Design55 frame.

The thermostat is connected to, for example, wireless FHK14 or FHK61 temperature relays.

FTR55EHB-wg	pure white glossy
FTR55EHB-am	anthracite mat

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Manuals and documents in further languages:
https://eltako.com/redirect/FLGTF55E*230V-

AIR QUALITY SENSOR

Wireless Air Quality (VOC) + Temperature + Humidity sensor for single mounting 80 x 80 x 17/33 mm or mounting 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.

FLGTF55E/230V-am	anthracite mat
FLGTF55E/230V-pg	polar white glossy

enocean

Manuals and documents in further languages:
https://eltako.com/redirect/FUTH55ED*230V-

CLOCK THERMOSTAT

Wireless clock thermo hygrostat with display for single mounting 80 x 80 x 14 mm or mounting into the E-Design55 switching system. Installation depth 33 mm.
With adjustable day and night reference temperatures and reference humidity. Preset ready to operate. Illuminated display. Power supply 230 V. Only 0.5 watt standby loss.

FUTH55ED/230V-am	anthracite mat
FUTH55ED/230V-pg	polar white glossy

enocean

Manuals and documents in further languages:
https://eltako.com/redirect/FCO2TF65-wg

WIRELESS CO_2+TEMPERATURE+ HUMIDITY SENSOR

Wireless indoor CO_2+temperature+humidity sensor pure white glossy for single mounting 84 x 84 x 29 mm. With controlled LED display according to the ambient air quality and brightness. Additionally with warning signal at level red. Standby loss only 0.4 watts on average. Power supply with a 12 V DC power supply unit: e.g. WNT61-12VDC/10W. With adjustable day and night reference temperatures and reference humidity. Preset ready to operate. Illuminated display. Power supply 230 V. Only 0.5 watt standby loss.

FCO2TF65-wg	pure white glossy

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Manuals and documents in further languages:
https://eltako.com/redirect/FTFB-

WIRELESS TEMPERATURE+ HUMIDITY SENSOR

75 x 25 x 12 mm, with battery (lifetime 5 years). 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 wireless network. 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.

FTFB-am	anthracite mat
FTFB-wg	pure white glossy

ENOCEAN WIRELESS MODULAR ACTUATORS

This is a small selection of the devices available

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Manuals and documents in further languages:
https://eltako.com/redirect/FR62-230V

WIRELESS RELAY

Wireless relay, 10 A/250 V AC. 1 NO or NC potential-free contact. 49 x 51 mm, depth 20 mm. The relay pulls/releases as long as the button is pressed. Standby consumption only 0.4 watts.

Use, for example, with SwitchDim/PushDim/push button dimming ballasts or electric locks, etc.

FR62-230V	Wireless relay, non-potential free

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Manuals and documents in further languages:
https://eltako.com/redirect/FD62NPN-230V

WIRELESS UNIVERSAL DIMMER

Wireless universal dimmer. 49 x 51 mm, depth 20 mm. Dimmable trailing edge LED lamps up to 300 W and leading edge up to 100 W, depending on ventilation. Power MOSFET. 230 V incandescent and halogen lamps up to 300 W, depending on ventilation. No inductive transformers. With children's room and sleeping function. No minimum load. Standby consumption only 0.5 watts.

Maximum power rating for incandescent, halogen, and LED lamps is 300 W. Minimum lighting level adjustable.

FD62NP-230V	Wireless universal dimmer, 0-300 W
FD62NPN-230V	Wireless universal dimmer, 0-300 W

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Manuals and documents in further languages:
https://eltako.com/redirect/FRP62-230V

WIRELESS REPEATER

1- and 2-level wireless repeater. 49 x 51 mm, depth 20 mm. Standby consumption only 0.7 watts. Needs a continuous 230 V operating voltage to repeat wireless signals forward. If necessary, wireless repeaters can be chained 2 in a row, from a Level 1 repeater to a Level 2 repeater.

This repeater is only needed if the conditions of the building, such as thick stone walls, metal, etc., prevent the transmission of an undisturbed wireless signal, or the distance between the wireless button and the receiver is too long.

FRP62-230V	1- and 2-level wireless repeater

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Manuals and documents in further languages:
https://eltako.com/redirect/FJ62*12-36V_DC

WIRELESS SHADING ELEMENT AND ROLLER SHUTTER ACTUATOR

Wireless shading element and roller shutter actuator 1 + 1 NO contact, 4 A/36 V DC, not potential free, for a shading element motor 12-36 V DC. Standby loss only 0.3-0.5 watt.

FJ62/12-36V DC	Wireless shading element and roller shutter actuator

Rail mounting not included in the scope of supply.

Manuals and documents in further languages:
https://eltako.com/redirect/U2RP

U2RP

Universal DIN rail mounting plate for installation of 1 or 2 devices from the series 61, 62 and 62-IP in distributors and control cabinets on DIN-EN 60715 TH35 mounting rails. Attachment with pre-assembled adhesive pads. Additional fastening possible on site with cable ties.

U2RP	Universal double DIN rail mounting plate for series 61+62+62-IP, grey

16 A SWITCH

Impulse switch with integrated relay function, 1 NO contact not potential free 16 A/250 V AC, 230 V LED lamps up to 400 W, incandescent lamps 2000 watts. With light scene control by PC or wireless pushbuttons. Encrypted wireless, bidirectional wireless and repeater function are switchable. Only 0.8 watt standby loss.

FSR71NP-230 V	Wireless actuator Impulse switch with integr. relay function

Manuals and documents in further languages:
https://eltako.com/redirect/DAT71

QUICK PROGRAMMING

Data Transfer device to configure Series 71 devices using the PCT14 PC Tool.

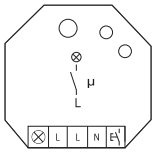
The DAT71 can be used to link an actuator to the PC. Using PCT14, data can be transferred to or from the actuator. In addition the DAT71 can be used as a mobile data storage.
The DAT71 must then be plugged into the actuator and connected to the PC by USB cable (not included in the scope of supply).
After starting the PCT14, configure the actuator.

DAT71	Data transformer for Series 71	**Art. No. 30000026**

WIRELESS PRODUCTS FOR FLUSH INSTALLATION

The versatile 61 series

One product - versatile functions. You can connect up to 35 different wireless buttons to one receiver. Teaching buttons and selecting functions using rotary switches.



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Manuals and documents in further languages:
https://eltako.com/redirect/FSR61NP-230V

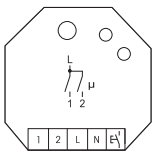
Manuals and documents in further languages:
https://eltako.com/redirect/FSR61-230V

WIRELESS IMPULSE SWITCH/RELAY

Wireless impulse switch / relay flush mounted. 45 x 45 mm, depth 33 mm. 1 NO non-potential free contact (FSR61NP-230V) and 1 NO potential-free contact (FSR61-230V) 10 A/250 V AC. 230 V LED load max. 400 W. Light bulb load max. 2000 W. Standby consumption only 0.8 watts.

In the same device: Impulse switch function (ES), relay function (ER), impulse switch with adjustable (between 2-120 minutes) switch-off delay (ESV), and switch-off delay with switch-off warning.

FSR61NP-230V	Impulse switch / relay, non-potential free
FSR61-230V	Impulse switch / relay, potential-free



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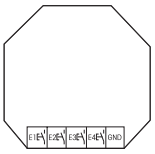
Manuals and documents in further languages:
https://eltako.com/redirect/FMS61NP-230V

WIRELESS 2-CHANNEL MULTIFUNCTIONAL IMPULSE SWITCH

1 + 1 NO non-potential-free contacts 10 A/250 V AC. 45 x 45 mm, depth 33 mm. 230 V LED load max. 400 W. Light bulb load max. 2000 W. Standby consumption only 0.8 watts.

Impulse switch for on/off switching, with 2 contacts. Both contacts can be controlled separately with their own wireless buttons, a total of max. 35 buttons per device. 5 different functions of the relay tips can be selected.

FMS61NP-230V	1 + 1 non-potential-free NO contact 10 A



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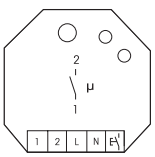
Manuals and documents in further languages:
https://eltako.com/redirect/F4USM61B

WIRELESS 4-WAY UNIVERSAL TRANSMITTER MODULE

**Wireless volt free contacts. With internal antenna. With battery (lifetime 5-8 years).
For installation. 45 mm long, 45 mm wide, 18 mm deep.**

This transmitter module has four channels to transmit wireless telegrams to the ELTAKO Wireless Building system like a 4-channel wireless pushbutton

F4USM61B	Wireless 4-way universal transmitter module



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Manuals and documents in further languages:
https://eltako.com/redirect/FHK61-230V

WIRELESS TEMPERATURE RELAY

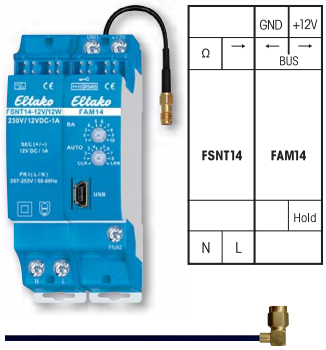
Wireless heating/cooling temperature relay. 45 x 45 mm, depth 33 mm. 1 NO potential-free contact 10 A/250 V AC. Standby consumption only 0.8 watts. Suitable for electric heating and control of heating valves.

The temperature relay evaluates data from e.g. the wireless FTR55EHB thermostat.
Possibly supplemented with window/door contacts, a motion detector and wireless buttons.

FHK61-230V	Wireless temperature relay, 1 NO contact, 10 A

SERIES 14 DIN RAIL ACTUATORS

Series 14 for DIN rail installation. A FAM14 is always needed, which the required actuators are then connected



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Manuals and documents in further languages:
https://eltako.com/redirect/FAM14

Manuals and documents in further languages:
https://eltako.com/redirect/FA250_FHM175_FA200

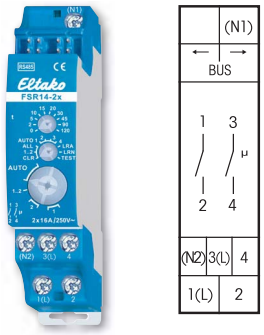
WIRELESS ANTENNA MODULE

Wireless antenna module for ELTAKO's RS485 bus, with replaceable antenna. Power supply FSNT14-12V/12W included. Standby consumption only 1 W. If necessary, an external additional antenna such as FA250 (height 10 cm) or FA200 (height 59 cm) can be used.

To install wireless DIN-rail products, you always need one antenna module, next to which other devices are installed.

FAM14	Antenna module
FA250	Antenna with magnetic base, 250 cm cable, black

The supplied antenna can be replaced with an externally fitter version which you can find towards the end of the brochure.



Manuals and documents in further languages:
https://eltako.com/redirect/FSR14-2x

Manuals and documents in further languages:
https://eltako.com/redirect/FSR14-4x

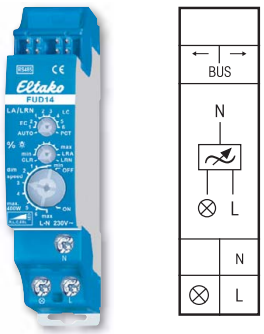
WIRELESS RELAY

2-channel and 4-channel Impulse switch with integrated relay function. Standby consumption only 0.1 watts. 230 V LED load max. 400W/FSR14-2x and 200W/FSR14-4x. Light bulb load max. 2000W/FSR14-2x and 1000W/FSR14-4x. Used together with antenna module FAM14.

FSR14-2x: 1 + 1 NO potential-free contacts 16 A /250 V AC.
FSR14-4x: 4 NO contacts 4 A/250 V AC.

The contacts of the relays can be controlled separately with their own wireless buttons, a total of max. 118 buttons per relay. In the same relay, impulse relay function for on/off switching and working current relay function where the relay pulls/releases as long as the button is held down. In addition, the switch-off delay can also be set.

FSR14-2x	2-channel wireless relay
FSR14-4x	4-channel wireless relay



Manuals and documents in further languages:
https://eltako.com/redirect/FUD14

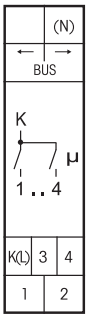
Manuals and documents in further languages:
https://eltako.com/redirect/FUD14*800W

WIRELESS UNIVERSAL DIMMER

Universal dimmer for all lamp loads, max. 400 W, power MOSFET. Automatic load detection. Standby consumption only 0.3 watts. Minimum level or maximum level of lighting and dimming speed adjustable. No minimum load required. Used together with antenna module FAM14.

FUD14/800: Universal dimmer, load capacity up to 800 W and the load capacity can be increased with the FLUD14 power unit. Two DIN modules wide. Otherwise, technical data as in FUD14.

FUD14	Wireless universal dimmer, 400 W
FUD14/800W	Wireless universal dimmer, 800 W

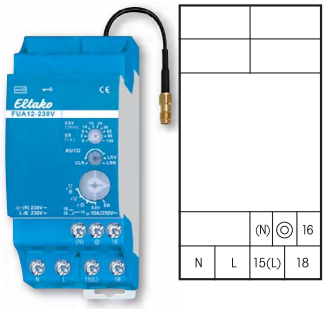


Manuals and documents in further languages:
https://eltako.com/redirect/F4HK14

WIRELESS 4-CHANNEL TEMPERATURE RELAY

Heating/cooling relay with 4 channels, 1 NO contact per channel 4 A/250 V AC, potential free from the power supply, with DX technology. Bidirectional. Only 0.1 watt standby loss. Modular device for DIN-EN 60715 TH35 rail mounting. 1 module = 18 mm wide, 58 mm deep. Connection to the ELTAKO-RS485 bus. Bus cross wiring and power supply with jumper. Patented ELTAKO Duplex technology allows you to switch normally potential free contacts in zero passage switching when 230 V A/C voltage 50 Hz is switched.

F4HK14	Wireless actuator 4-channel heating/cooling relay



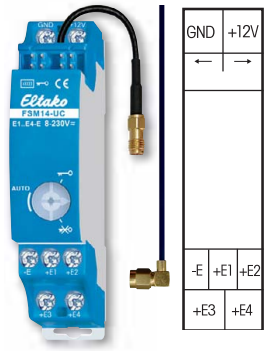
Manuals and documents in further languages:
https://eltako.com/redirect/FUA12-230V

WIRELESS UNIVERSAL ACTUATOR

Universal wireless impulse switch / relay with replaceable antenna, with combined antenna module and 1-channel relay. Impulse switch and operating current relay with function, 1 potential-free changeover contact (CO) 10 A/250 V AC, light bulb load max. 2000 W, equipped with DX technology (zero point connection). Standby consumption only 0.9 watts. If necessary, an external additional antenna such as FA250 (height 10 cm) or FA200 (height 59 cm) can be used.

In the same device, the impulse switch function (ESV) for on/off switching and the relay function (ER), where the relay pulls/releases as long as the button is held down. In addition, a switch-off delay between 2 and 120 minutes and a switch-off delay with a switch-off warning can also be set.

FUA12-230V	Wireless impulse switch / relay



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Manuals and documents in further languages:
https://eltako.com/redirect/FSM14-UC

Manuals and documents in further languages:
https://eltako.com/redirect/FSNT14-12V*12W

WIRELESS TRANSMITTER

Wireless 4-channel transmitter unit. With replaceable antenna. If necessary, the supplied short antenna can be replaced with an external FA250 or FAG55E antenna. Standby consumption only 0.1 watts. Connection to ELTAKO's RS485 bus, used together with antenna module FAM14, in which case the bus and power supply are connected with jumpers. Alternatively, can also be used separately as an independent transmitter, power to the device can then be connected using a separate power supply (FSNT14-12V/12W), by feeding 12 V DC to the terminals + 12 V/GND.
The control inputs +E/-E are suitable for control commands with a control voltage of 8-253 V AC or 10-230 V DC and a duration of at least 0.2 seconds, to generate wireless messages.

Forwards a wireless signal from any wired products (e.g. motion sensor, dimmer switch, wired buttons). The transmitter unit has four separate channels and a wireless signal is sent whenever a control voltage is applied to the channel of the transmitter unit. Can be connected to e.g. wireless FSR61, FSR14 or FUA12 relays or FUD61 and FUD14 dimmers.

FSM14-UC	Wireless transmitter for RS485 bus
FSNT14-12V/12W	Power supply 12 V/12 W

WIRELESS ANTENNAS AND REPEATERS

The installation of wireless DIN rail devices can be supplemented with different ones with additional antennas to increase the coverage area.

Manuals and documents in further languages:
https://eltako.com/redirect/FA250_FHM175_FA200

ANTENNA AND EXTENSION WIRE

Wireless antenna FA250 with magnetic base and 250 cm cable, height 10 cm, black. With SMA screw connector.
Wireless antenna FA250-gw with magnetic base and 250 cm cable, height 10 cm, white. With SMA screw connector.
High power antenna FA200 with magnetic base and 200 cm cable.
This antenna has a radial receive gain of 7 dBi and therefore has a greater range than the antenna FA250. **This antenna can only be used for receiving.** The height of the antenna is 59 cm. With SMA screw connector.
The antenna cable can be extended by 5 meters with the FAV5 extension cable and 10 meters with the FAV10 extension cable.

FA250	Antenna with magnetic base, 250 cm cable, black
FA250-gw	Antenna with magnetic base, 250 cm cable, white
FA200	High power antenna with magnetic base, 200 cm cable
FAV5	Antenna extension cable 5 m
FAV10	Antenna extension cable 10 m

Manuals and documents in further languages:
https://eltako.com/redirect/FAG55E-

ANTENNA, SURFACE MOUNT

Wireless antenna for surface mounting in a housing, for individual installation in 80 x 80 x 15 mm or E-Design55 frame system. ELTAKO's E-Design55 frame included. 250 cm with a cord.

The antenna mounting plate can be screwed, e.g., on top of a standard recessed box with a screw spacing of 60 mm. The case has a wireless antenna with a grounding plate and a permanently installed 250 cm long antenna cable with an SMA screw connector.

FAG55E-wg	Wireless antenna, pure white glossy
FAG55E-am	Wireless antenna, anthracite mat

Manuals and documents in further languages:
https://eltako.com/redirect/FRP70-230V

WIRELESS REPEATER, FOR SPLIT CEILING

1- and 2-level wireless repeater with a small antenna, installation e.g. in a suspended ceiling. Standby consumption only 0.6 watts. If necessary, a wireless antenna FA250 or FAG55E can be connected to the repeater. Supply voltage 230 V. The housing must be opened in order to connect the 2-wire mains connection cable (e.g. connection cable with Euro plug). If necessary, wireless repeater can be chained 2 in a row, from a Level 1 amplifier to a Level 2 amplifier.

This repeater is only needed if the conditions of the building, such as thick stone walls, metal, etc., prevent the transmission of an undisturbed wireless signal, or the distance between the wireless button and the receiver is too long. Choose the highest possible location for the antenna for optimal operation, e.g. on the suspended ceiling.

FRP70-230V	1- and 2-level wireless repeater

WANT TO KNOW MORE?

FOR FURTHER INFORMATION PLEASE LOOK IN OUR MAIN CATALOGUE ON OUR WEBSITE WWW.ELTAKO.COM/EN