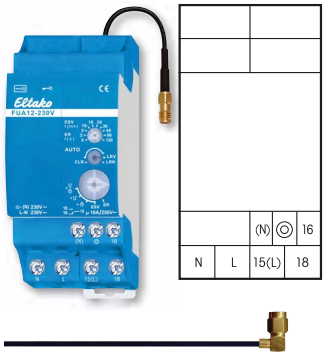
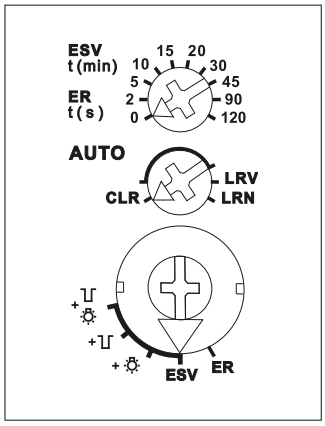


The enclosed small antenna can be replaced with a wireless antenna FA250 or if need be FA200 and FAG55E- (see page 1-4).

enocean

Function rotary switches



Standard setting ex works.

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

Housing for operating instructions GBA14 page 1-48.

FUA12-230V

Wireless universal actuator with exchangeable antenna. Impulse switch with integrated relay function with 1 change over contact potential free 10 A/250 V AC, incandescent lamps up to 2000 W, with DX technology. Bidirectional. Encrypted wireless. Only 0.9 watt standby loss.

A wireless antenna FA250 or FAG55E- is connectable as required.
Modular device for DIN-EN 60715 TH35 rail mounting. 2 modules = 36 mm wide, 58 mm deep.
Supply voltage 230 V.
The wireless universal actuator combines the functions of a wireless antenna module and an actuator as a 1-channel impulse switching relay with DX technology.
If supply voltage fails, the switching state is retained. When supply voltage is restored, the device is switched off in defined mode.
The switched consumer may not be connected to the mains before the short automatic synchronisation after installation has terminated.
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. This drastically reduces wear. To achieve this, simply connect the N conductor to the terminal (N) and L to 15(L). This results in an additional standby consumption of only 0.1 watt.
It is also possible to control the device via the wired pushbutton terminal ◎. In this case the N wire must be connected on the terminal (N). Glow lamp current is not permitted.
230 V control pushbutton: control current: 0,4 mA, max. parallel capacitance 0.3 µF (approx. length) of (1000 m) local control lead.
You can switch on **bidirectional wireless** and/or a **repeater** function. Every status change and incoming central control telegrams are then confirmed by a wireless telegram. This wireless telegram can be taught-in in other actuators, controllers and in universal displays.
The function of the actuator is set **with the lower rotary switch.**

ER = switching relay
ESV = impulse switch. Possibly with off delay
+ ☼ = ESV with pushbutton permanent light
+ ⎍ = ESV with switch-off early warning
+ ⎍+☼ = ESV with pushbutton permanent light and switch-off early warning

If the permanent light function is switched on, the function can be activated by pressing the pushbutton for longer than 1 second. This function switches off automatically after 2 hours or by pressing the pushbutton.
If the switch-off early warning is switched on, the light starts to flicker approx. 30 seconds before time-out. This is repeated three times at decreasing time intervals.
The function ESV **on the upper rotary switch** sets the off delay from 2 to 120 minutes. In setting 0 normal impulse switch function ES without off delay, without pushbutton permanent light and without switch-off early warning.
In setting ER = switching relay of the lower rotary switch, this rotary switch fulfils a safety and power saving function in the settings except 0: If the opening command cannot be detected, for example, because of a jammed or too hastily operated pushbutton, contact 18 opens automatically after expiry of the set time between 2 and 120 seconds. When a FTK is taught-in, this time function is turned off.
Universal pushbuttons can be taught-in as **NC contacts.**
FTK wireless window/door contact and window handle sensors FFG7B: ER function position: Several FTK devices and (or) window handle sensors FFG7B are interlinked; NO contact: When a window is opened, contact 18 closes. All windows must be closed before contact 18 opens (e.g. controller for cooker extraction hoods). NC contact: All windows must be closed before contact 18 closes. When a window is opened, contact 18 opens (e.g. for climate control systems).
Twilight pushbutton with taught-in FAH wireless outdoor brightness sensor in function position ESV. In time setting 120, contact 18 opens with a time delay of 4 minutes when brightness reaches high enough levels. In time setting 0, the contact opens immediately. Pushbutton activation also remains available.
Motion detection with taught-in **FBH (slave)** wireless motion detector and in ER function position. The device switches on when motion is detected. If no more motion is detected,contact 18 opens after expiry of the set time between 0 and 120 seconds. When an **FBH (master)** wireless detector and brightness detector is taught-in, use the upper rotary switch to define the switching threshold at which the lighting is switched on or off depending on the brightness (in addition to motion). An FAH wireless outdoor brightness sensor or an FBH (master) wireless motion detector and brightness sensor can be used in ER function position together with FBH (slave) motion detector so that motion is only evaluated in darkness. If FAH or FBH (master) detects brightness, contact 18 opens immediately.
When teaching-in, the switching threshold is also taught-in: between break of twilight and complete darkness.
The LED performs during the teach-in process according to the operating instructions. It shows wireless control commands by short flickering during operation.

FUA12-230V	Wireless universal actuator	**Art. No. 30000052**	**108,33 €/pc.**

Recommended retail prices excluding VAT.