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Eltako ELECTRONICS

Wireless actuator

CE

Impulse switch with integrated relay function with wireless sensor FSR61NP-230V+FTK-rw for the control of extractor hoods etc.

1 NO contact not potential free 10A/250V AC. Bidirectional wireless and with repeater function. Only 0.7 watt standby loss.

For installation.
45mm long, 55mm wide, 33mm deep.

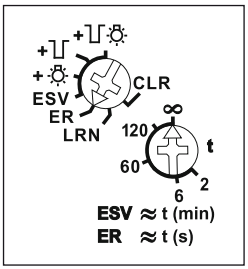
Switching voltage and control voltage local 230V.

This wireless actuator features state-of-the-art hybrid technology that we developed: we combined the wear-free receiver and evaluation electronics and a bistable relay with zero passage switching.

By using a bistable relay coil power loss and heating is avoided even in the on mode. After installation, wait for short automatic synchronisation before the switched consumer is connected to the mains.

Starting in production week 14/2011 with **bidirectional wireless**; in addition, a **repeater** function can be switched in. Every change in state and incoming central command telegrams are confirmed by a wireless telegram. This wireless telegram can be taught-in in other actuators, in the FVS software and in FUA55 universal displays.

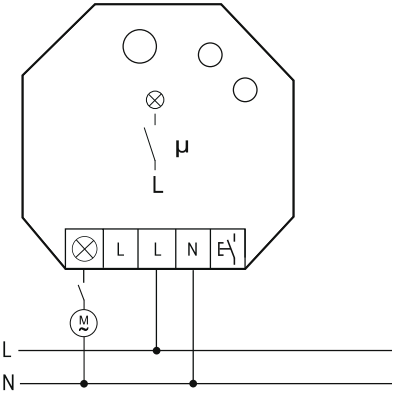
Function rotary switches



The rotary switches are set at the factory to the correct positions ER and ∞ and the FTK-rw is already taught-in in the FSR61NP-230V.

If a repeat teach-in is required for integration in a larger wireless system, please refer to the operating instructions for the FSR61NP-230V and the FTK-rw.
They are available online at **www.eltako.com/en** under 'Operating instructions'.

Typical connection



Technical data

Rated switching capacity	10A/250V AC
Switching voltage	230V
Standby loss (active power)	0.7W

Switching on/off repeater:
If control voltage is applied to the local control input when the power supply is switched on, the repeater is switched on/off. When the power supply is switched on, the LED lights up for 2 seconds = repeater off (as-delivered state) or 5 seconds = repeater on to indicate the state.

Teaching-in feedback of this atuator in other actuators:
for changing of switching state and simultaneously transmitting of feedback the local control input has to be applied.

Wireless window/door contact FTK-rw

The batteryless window/door contact FTK-rw powers itself from a solar cell and stores the energy for night operation.

A signal is transmitted when the contact is opened or closed. Every 15 minutes a signal indicating the current status is also transmitted.

Adhesive foil mounting. Protection class IP54, therefore suitable for outdoor mounting.

Window/door contact dimensions lxwxh: 75x25x12mm; magnet dimensions lxwxh: 37x10x6mm.

Solar-powered energy accumulator:
For testing porposes or for operating the device, the FTK needs to be charged several hours at daylight or at artificial light.

Both the window/door contact and the magnet have an approx. 10mm long notch to mark the point where they must be located next to each other when the window is closed. They may not be spaced more than 5mm apart.

Caution! Please make sure that on installation the magnet is positioned at a distance of no more than 5mm from the magnet contact (notch on window contact housing).

Important note!

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock.

05/2012 Subject to change without notice.