

Wireless actuator



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

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

Temperature at mounting location:

-20°C up to +50°C.

Storage temperature: -25°C up to +70°C.

Relative humidity:

annual average value <75%.

valid for devices from production week 11/14 (see bottom side of housing)

1 NO contact not potential free 10A/250V AC. Encrypted wireless, bidirectional wireless and repeater function are switchable. Only 0.8 watt standby loss.

For installation.

45 mm long, 45 mm wide, 33 mm deep.

Supply voltage, switching voltage and control voltage local 230V.

If a power failure occurs, the switching state is retained. If a power failure occurs repeatedly, the device is switched off in a defined sequence.

After installation, wait for short automatic synchronisation before the switched consumer is connected to the mains.

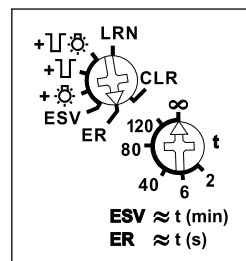
This wireless actuator features state-of-the-art hybrid technology that we developed: we combined the wear-free receiver and evaluation electronics and a bistable relay with zero passage switching.

By using a bistable relay coil power loss and heating is avoided even in the on mode.

Starting in production week 11/14, you can teach in encrypted sensors. You can switch on **bidirectional wireless** and/or a **repeater** function.

Every change in state and incoming central command telegrams are then confirmed by a wireless telegram. This wireless telegram can be taught-in in other actuators, in the GFVS software and in FUA55 universal displays.

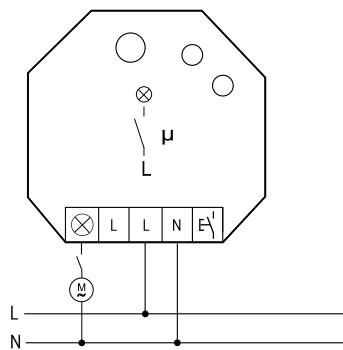
Function rotary switches



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)	0.8W

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.

Switch-on confirmation telegrams:

For deliveries ex-works the confirmation telegrams are switched-off. Set the upper rotary switch to CLR. The LED flashes nervously. Now within 10 seconds turn the bottom rotary switch 3 times to the left (anticlockwise) and then back away. The LED stops flashing and goes out after 2 seconds. The confirmation telegrams are switched-on.

Switch-off confirmation telegrams:

Set the upper rotary switch to CLR. The LED flashes nervously. Now within 10 seconds turn the bottom rotary switch 3 times to the left (anticlockwise) and then back away. The LED goes out immediately. The confirmation telegrams are switched-off.

Teaching-in feedback of this actuator 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 l_wxw_h: 75x25x12 mm; magnet dimensions l_wxw_h: 37x10x6 mm.

Solar-powered energy accumulator:

For testing purposes 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. 10 mm 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 5 mm apart.



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

EnOcean wireless

Frequency	868.3 MHz
Transmit power	max. 10 mW

Hereby, Eltako GmbH declares that the radio equipment type FSR61NP-230V+FTK-rw is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: eltako.com

Must be kept for later use!

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