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Wireless relay actuator
FR62NP-230V

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%.

**Wireless relay actuator 10 A/250 V AC.
1 NO contact or NC contact, not potential free. Standby loss only 0.4 watt.**

For installation. 49x51mm, 20 mm deep.
The terminals are plug-in terminals for conductor cross-sections of 0.2 mm² to 2.5 mm².

Up to 32 wireless pushbuttons and wireless window contacts can be taught in using easy tap technology.

Bidirectional wireless switchable.

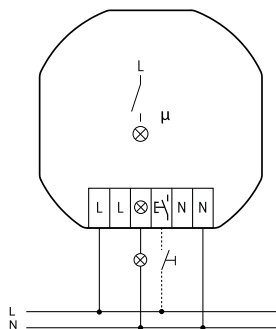
Zero passage switching.

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

If supply voltage fails, the device is switched off in defined mode. When the supply voltage is restored, the device is switched off in a defined process. After installation, wait until the short automatic synchronisation takes place before the switched user is connected to the network.

In addition to the wireless control input via an internal antenna, this wireless actuator can also be controlled locally by a conventional 230V control switch if fitted previously. Glow lamp current is not permitted.

Typical connection



During teach-in, the function of the contact in quiescent position is defined as NO or NC. 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.

Several wireless window contacts are linked together. The function is determined by the last wireless window contact which is taught in.

Start-up:

After you switch on the power supply, the teach-in mode is automatically active for 2 minutes provided the memory content is empty (as-delivered state) and/or the teach-in mode is not blocked.

Readiness for teach-in is indicated by briefly switching the load on/off.

If no action takes place for 2 minutes, teach-in mode ends automatically.

This is signalled by switching the load on and off briefly.

Teaching-in sensors:

Wireless pushbutton as NO contact:
tap briefly 3 times;

Wireless pushbutton as NC contact:
tap briefly 4 times;

Wireless window contact FTK, FTKB: (EEP: D5-00-01) as well as FTKE as NO contact: Briefly close and open the window 3 times (close -> open -> close -> open -> close -> open window);

Wireless window contact FTK, FTKB: (EEP: D5-00-01) as well as FTKE as NC contact: Briefly close and open the window 4 times (close -> open -> close -> open -> close -> open -> close -> open window);

Wireless window handle sensor

FFG7B as NO contact: (EEP: A5-14-09)

Wireless window/door contact FTKB-hg as NO contact: (EEP: A5-14-0A)

GFVS: (EEP: A5-38-08);

During teach-in, confirmation telegrams are switched on and sent automatically. It locks automatically the teach-in mode. Teaching-in a pushbutton, is confirmed by briefly switching the load on/off. The teach-in mode is then active for a further 2 minutes.

To prevent unintentional teach-in, the teach-in mode is automatically blocked 2 minutes after the last teach-in. This is indicated by the load switched on/off briefly twice.

Unencrypted and encrypted sensors can be taught in.

Teach in encrypted sensors:

1. Activate teach-in mode if necessary.
2. Activate sensor encryption within 2 minutes.
3. Then teach in the encrypted sensor as described under 'Teach in sensors'.

With encrypted sensors, use the 'rolling code', i.e. the code changes in each telegram, both in the transmitter and in the receiver.

If a sensor sends more than 50 telegrams when the actuator is not active, the sensor is no longer recognised by the active actuator and must be taught in again as 'encrypted sensor'. It is not necessary to teach in the function again.

Block teach-in mode immediately:

Tap 3 times briefly and once long (>2 seconds) on a wireless pushbutton that is already taught in or the wireless window contact.

With a wireless window contact, tapping briefly 3 times and once long = close -> open -> close -> open -> close -> open -> close long (>2 seconds)-> open window.

A block is indicated by switching the load on/off twice briefly.

Unblock teach-in mode:

Tap 4 times briefly and once long (>2 seconds) on a wireless pushbutton that is already taught in, the local pushbutton or the wireless window contact.

Briefly close and open the window 4 times briefly and 1 once long (close -> open -> close -> open -> close -> open -> close -> open -> long close (>2 seconds) -> open window).

Readiness for teach-in is indicated by briefly switching the load on/off.

Clear memory content completely (restore as-delivered state):

1. Switch power supply off/on.
2. Tap 8 times briefly and once long (>2 seconds) on a wireless pushbutton that is already taught in, the local pushbutton or the wireless window contact.
Clear is indicated by switching the load on/off briefly.
3. Apply on 'Teach in wireless pushbutton'.

Switch on/off confirmation telegrams:

1. Switch power supply off/on.
2. Tap 7 times briefly and once long (>2 seconds) on a wireless pushbutton that is already taught in, the local pushbutton or the wireless window contact.
ON is indicated by switching the load on/off briefly twice.
OFF is indicated by switching the load on/off briefly once.



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Frequency	868.3 MHz
Transmit power	max. 10 mW

Hereby, Eltako GmbH declares that the radio equipment type FR62NP-230V 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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40/2020 Subject to change without notice.