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Wireless relay actuator

FR62-230V

**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, 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 mm<sup>2</sup> to  
2.5 mm<sup>2</sup>.

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

Bidirectional wireless switchable.

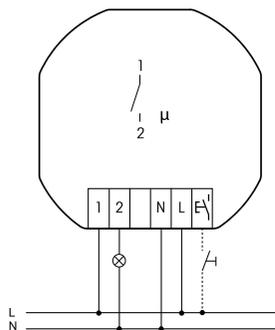
**Distance between control terminals/  
contact 6 mm.**

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 conven-  
tional 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 tele-  
gram, both in the transmitter and in the  
receiver.

If a sensor sends more than 50 tele-  
grams 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 nec-  
essary 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 push-  
button 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 push-  
button'.

#### 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 push-  
button 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.



**enocean®**

THE UNIQUE WIRELESS PROFESSIONAL  
SMART HOME STANDARD

Frequency	868.3 MHz
Transmit power	max. 10 mW

**Hereby, Eltako GmbH declares that the radio  
equipment type FR62-230V is in com-  
pliance with Directive 2014/53/EU.**

**The full text of the EU declaration of  
conformity is available at the following  
internet address: [eltako.com](http://eltako.com)**

**Must be kept for later use!**

#### Eltako GmbH

D-70736 Fellbach

#### Technical Support English:

+49 711 94350025

technical-support@eltako.de

eltako.com

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