Eltako ELECTRONICS

Tap-radio® relay actuator

TF61R-230V

CE

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 50/16 (see bottom side of housing)

Wireless relay actuator 10A/250V AC. 1 NO contact or NC contact, not potential free. Standby loss only 0.8 watt.
For installation.
45mm long, 45mm wide, 18mm deep.
Up to 32 wireless pushbuttons and wireless window contacts can be taught in using easy tap-radio® technology.

Zero passage switching.

Bidirectional wireless switchable.

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

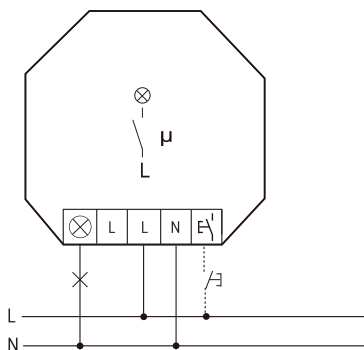If supply voltage fails, the device is switched off in defined mode.

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

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.

Typical connection

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.

Teach in wireless pushbutton:
Wireless pushbutton as NO contact: tap briefly 3 times;
Wireless pushbutton as NC contact: tap briefly 4 times;
Wireless window contact and Hoppe window handle as NO contact: Briefly close and open the window 3 times *(close -> open -> close -> open -> close -> open window);*
Wireless window contact and Hoppe window handle as NC contact: Briefly close and open the window 4 times *(close -> open -> close -> open -> close -> open -> close -> open window);*
GFVS: teach-in telegram 0xE0400D80; this automatically switches on confirmation telegrams and sends confirmation telegrams. 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.

Block teach-in mode immediately:
Tap 3 times briefly and once long (>1 second) 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 (>1 second)-> 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 (>1 second) 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 (> 1 s.) -> 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 (>1 second) 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 (>1 second) 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.

EnOcean wireless

Frequency	868,3MHz
Transmit power	max. 10mW

Hereby, Eltako GmbH declares that the radio equipment type TF61R-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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