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Wireless extractor hoods control

FDH62NP-230V+FTKB

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 52/20 (see bottom side of housing)

Wireless extractor hoods control. 1 NO contact not potential free 10 A/250V AC. Only 0,4 watt standby loss. For installation. 49 x 51mm, 20 mm deep. The terminals are plug-in terminals for conductor cross-sections of 0,2 mm² to 2,5 mm².

Using easy tap technology, up to 32 wireless universal pushbuttons and wireless window contacts can be taught in.

Only sensors are allowed which report that the window is actually open or tilted. Otherwise there is a risk of poisoning!

Bidirectional wireless switchable. Supply voltage, switching voltage and control voltage local 230 V.

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. If a power failure occurs, the switching state is retained.

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

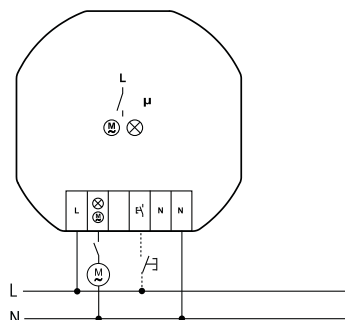
The extractor hood motor can only be switched on when the window is open. For safe operation, the motor output must be at least 50 W in the lowest operating level. For extractor hoods with a motor output of less than 50 W, the relay actuator FR62NP-230V should be used in conjunction

with an FTKB.

If the window is closed, the relay switches the motor off. However, if the motor is switched off before the window is closed, any in-built lights that are switched on remain on and can be switched on and off using the switch on the extractor hood. If the motor is switched on in addition to the lights with the window closed, the relay switches off.

The in-built lights can be switched on by a wireless pushbutton or a local conventional 230 V control pushbutton (a glow lamp current is not permitted) even if the window is closed and the relay is switched off.

Typical connection



Start-up:

The FDH62NP-230V is immediately ready to operate since the enclosed FTKB has already been taught in (as-delivered state).

Teach in other sensors:

After the power supply is switched on, the teach-in mode is activated automatically for 2 minutes if no wireless pushbutton was taught in or the teach-in mode was not blocked.

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

Wireless pushbutton:

tap briefly 3 times;

Wireless window/door contact FTKB, FFKB, FTKB-gr, FTK: (EEP D5-00-01)

Wireless window handle sensor FFG7B: (EEP A5-14-09)

Wireless window/door contact FTKB-hg: (EEP A5-14-0A)

Wireless window sensor FFGB-hg: (EEP A5-14-01, 03)

FTKE, FFTE: Close and open the window briefly 3 times (close window -> open -> close-> open -> close -> open).

After the sensor is taught in, confirm by briefly switching the load on/off; the teach-in mode remains 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, if a pushbutton is already taught-in. This is indicated by the load switched on/off briefly twice.

Block teach-in mode immediately:

Tap 3 times briefly and once long (> 2 seconds) on a wireless pushbutton that is already taught in. 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 already taught in. Readiness for teach-in is indicated by briefly switching the load on/off.

Clear memory content completely:

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

Change switching threshold:

The switching threshold in the as-delivered state is 40 W. The threshold can be taught in between 20 W and 80 W.

1. Unblock teach-in mode by tapping a wireless pushbutton already taught in or the local pushbutton.
2. Only 'switch on' the in-built lights by pressing the extractor hood switch.
3. Open the window and the lights are switched on.
4. Press the wireless pushbutton or the local pushbutton for at least 5 seconds and then release.

The new switching threshold teach-in is

signalled by the lights briefly switching on and off.

Switch on/off confirmation telegrams:

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

Starting at 100 Lux daylight **the window/door contact FTKB** powers itself from a solar cell, otherwise several years with a button cell.

On opening and closing, the related telegram is sent twice in short succession. The current status telegram is sent cyclically every approx. 8 minutes.

A monitoring function is active, i.e. if the cyclical telegram of all taught-in FTKB remains off for 35 minutes, the relay switches off the extractor hood.

Adhesive foil mounting.

Window/door contact dimensions l x w x h: 75 x 25 x 12 mm;
magnet dimensions l x w x h: 37 x 10 x 6 mm.

If the power supply of the solar module is insufficient, the electronics is powered by an internal button cell CR2032 for several years. To change only the housing has to be opened. This is also required to activate the battery supply by pulling out an insulating strip.

For teaching-in into a teachable actuator, the housing has to be opened and the inner button has to be pressed.

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.

The crossed-out waste container indicates that batteries may not be disposed with other household or commercial waste.



Attention: Danger of explosion if battery is replaced improperly. Only replace it by an equivalent type!



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 FDH62NP-230V+FTKB 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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