Wireless garage door adapter
FGTZ-230V

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

Temperature at mounting location:
0°C up to +35°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

Wireless garage door adapter. 100x55x45 mm (measurements without plug), pure white. With potential-free switching contact output for a maximum of 30 V/1 A. Standby loss only 0,8 watt. Smart Home sensor.

Adapter for German socket (Type F).
With increased shock protection.

The schuko socket (16 A) is directly connected to the schuko plug, so no mains socket is blocked and the mains plug of the garage door drive can be plugged in directly here. In order to control the garage door drive with additional wireless buttons, its connection terminals for an external, potential-free button (contact) are connected to the plug-in screw terminals of the potential-free switch contact output of the actuator.

Only safety extra-low voltage (SELV) may be switched!

With the convenient tapping technique, up to 24 wireless universal buttons and wireless direction buttons can be taught-in. In order for the radio direction switch to function as such, a radio window / door contact must also be taught-in. This reports whether the garage door is open or closed.

Start-up:
After plugging the device into the socket 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:
Universal pushbutton (UT): tap briefly 3 times.
Direction pushbutton (RT): tap briefly 4 times;
direction pushbutton teach-in is fully automatic when the pushbutton is tapped; 'Open' is up (0) and 'Close' is down (I) on the radio module of the button.
Wireless window/door contact:
- FTK, FTKB, FFKB (EEP D5-00-01): send teach-in telegram.
- FTKE, FFTE (EEP F6-10-00):
Close and open briefly 3 times.
Controller (EEP A5-38-08): send teach-in telegram 0xE0400D80;
the confirmation telegrams are switched on automatically during teach-in.
After a pushbutton is taught in, it is confirmed by a short acoustic signal; the teach-in mode is 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 an universal or direction pushbutton is already taught-in. This is indicated by an acoustic signal which sounds briefly twice.

Unencrypted and encrypted sensors can be taught-in.

Teach in encrypted sensors:
1. Activate the learning mode if necessary.
2. Within 2 minutes, enable sensor encryption.
3. Then teach in the encrypted sensor as described in 'Teaching-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 enabled, the sensor is no longer recognised by the enabled actuator and you must repeat teach-in as 'encrypted sensor'. It is not necessary to repeat the function teach-in.

Block teach-in mode immediately:
Tap 3 times briefly and once long (> 2 seconds) on a universal or direction pushbutton that is already taught in. Blockage is signalled by two short acoustic signals.

Unblock teach-in mode:
Tap 4 times briefly and once long (>2 seconds) on a universal or direction pushbutton already taught in. Teach-in standby is indicated by a short acoustic signal.

Unblock teach-in mode with Controller:
Send telegram 0x00000028.

Clear memory content completely (restore as-delivered state):
1. Unplug or plug in the adapter.
2. Tap 8 times briefly and once long (>2 seconds) on a wireless pushbutton already taught in.
The deletion is signaled with an acoustic signal, 3 times short and 3 times long.
3. Apply on 'Teach in wireless pushbutton'.

Clear memory content completely (restore as-delivered state) without a pushbutton:
unplug and plug in the adapter 8 times within 20 seconds.
The deletion is signaled with an acoustic signal, 3 times short and 3 times long.

Switch on/off confirmation telegrams:
1. Unplug or plug in the adapter.
2. Tap 7 times briefly and once long (> 2 seconds) on a wireless pushbutton already taught in.
'ON' is signalled by two short acoustic signals.
'OFF' is signalled by a short acoustic signal.
If the confirmation telegrams are switched on, 0x70 is sent when the contact is closed and 0x50 when the contact is opened.

Switching the repeater on or off:
1. Unplug and plug in the adapter.
2. Tap a wireless pushbutton that has already been taught in, 9 times briefly plus 1 time long (> 2 seconds).
Or switch the repeater on or off **without a wireless pushbutton;**

within 20 seconds, briefly unplug and plug in the adapter 9 times every second.
'ON' is signalled by two short acoustic signals.
'OFF' is signalled by a short acoustic signal.

Universal pushbutton (UT):
Each time the button is pressed, the contact closes for a maximum of 2 seconds (switch-on wiper); the closing of the contact is signaled with a short acoustic signal.

Installation of wireless window/door contact (FTK):
The FTK must be installed in such a way that the FTK is also closed when the garage door is closed. Mounting the FTK on the ceiling is recommended.

Direction pushbutton (RT) + FTK:
Garage door and FTK closed; the contact closes for a maximum of 2 seconds (switch-on wiper) only when the RT is pressed at the top, and the closing of the contact is signaled with a short acoustic signal.
Garage door and FTK open; only when the RT is pressed down does the contact close for a maximum of 2 seconds (switch-on wiper); the closing of the contact is signaled with a short acoustic signal.

Controller + FTK:
Garage door and FTK closed; only if 'Switching-On' (0x01000009) is sent, the contact closes for 1 second. The closing of the contact is signaled with a short acoustic signal.
Garage door and FTK open; only if 'Switching-Off' (0x01000008) is sent, the contact closes for 1 second. The closing of the contact is signaled with a short acoustic signal.

Technical data

Rated switching capacity	230 V AC/50 Hz
Rated current	16 A
Distance to potential-free contact	6 mm
Rated switching capacity potential free contact	1 A/30 V AC/DC
Ambient temperature range	0-35°C

⚠ May only be used in closed dry rooms.
The socket must be easily accessible.
Don't insert in a row.

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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 FGTZ-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!

37/2021 Subject to change without notice.