



Pushbutton gateway
FTS14GBZ

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%.

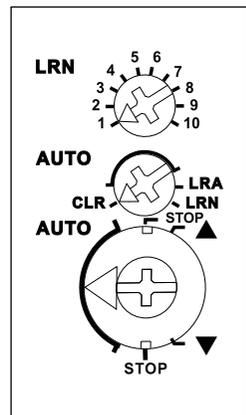
Gateway to central control with low voltage of impulse switch for shading elements and roller shutter ESB61ZK. Standby loss only 0.2 Watt. Modular device for DIN-EN 60715 TH35 rail mounting. 2 module = 36mm wide, 58mm deep.

Can be used as a single device or in conjunction with FTS14KS or FAM14. Then cross-link bus to jumper.

Power voltage 230V to Terminals N and L. Up to 100 ESB61ZK devices can be connected to the terminals IMP and +12V.

As a single device the rotary switches have no function and control takes place at 8 to 230V UC at the electrically isolated terminals ▲ (up), ▼ (down), STOP and the common terminal -E.

Function rotary switches



When operated with FTS14KS or FAM14 the upper rotary switch is only required for teach-in. The middle rotary switch is required for teach-in and is set to AUTO in normal mode. The lower rotary switch is for manual mode ▲ (up), ▼ (down), STOP with priority over wireless commands and is set to AUTO in normal mode.

Dynamic central control without priority:
Central UP pushbutton: Switch position 'UP' is activated directly by a pulse signal.
Central DOWN pushbutton: Switch position 'DOWN' is activated directly by a pulse signal.
Stop pushbutton: Motion stopped immediately by pulse signal.

Static wireless direction pushbutton:
Press top to activate switch position 'Up' directly. Motion stops when released.
Press bottom to activate switch position 'Down' directly. Motion stops when released.

When controlled via the GFVS software, Up and Down move commands can be started at the precise move time specified. It is possible to block wireless pushbuttons.

The LED performs during the teach-in process according to the operation manual. It shows control commands by short flickering during operation.

Teaching-in wireless sensors in wireless actuators

All sensors must be taught-in in the actuators so that they can detect and execute commands.

Teaching-in actuator FTS14GBZ

The teach-in memory is clear on delivery from the factory. To ensure that a device was not previously taught-in, **clear the complete memory:**
Turn the middle rotary switch to CLR. The LED flashes at a high rate. Within 10 seconds, turn the upper rotary switch three times to right stop (turn clockwise) and back again. The LED stops flashing and goes out after 2 seconds. All taught-in sensors are cleared.

Clear single taught-in sensors in the same way as in the teach-in procedure, except that you set the middle rotary

switch to CLR instead of LRN, and operate the sensor. The LED previously flashing at a high rate goes out.

Teaching-in sensors

1. Set the top rotary switch to the required teach-in function:
1 = Teach in Stop
2 = Teach in Central Down
4 = Teach in Central Up
5 = Teach in direction pushbutton; top 'Up' and bottom 'Down'. When pressed, a rocker is taught-in fully automatically.
2. Set the middle rotary switch to LRN. The LED flashes at a low rate.
3. Operate the sensor to be taught-in. The LED goes out.

No teach-in position need be considered for GFVS.

To teach-in further sensors, turn the middle rotary switch briefly away from position LRN. Continue the procedure from pos 1.

Issue device address for the FTS14GBZ:

Turn the rotary switch on the FAM14 to Pos. 1 and its lower LED lights up red. Turn the middle rotary switch on the FTS14GBZ to LRN and the LED flashes at a low rate. After the address of the FAM14 is issued, its lower LED lights up green for 5 seconds and the LED of the FTS14GBZ goes out.

Clear device configuration:

Set the middle rotary switch to CLR. The LED flashes at a high rate. Within the next 10 seconds, turn the upper rotary switch three times to left stop (turn anticlockwise) and away again. The LED stops flashing and goes out after 5 seconds. The factory settings are restored.

Clear device configuration and device address:

Set the middle rotary switch to CLR. The LED flashes at a high rate. Within the next 10 seconds, turn the upper rotary switch six times to left stop (turn anticlockwise) and away again. The LED stops flashing and goes out after 5 seconds. The factory settings are restored and the device address is cleared.

Confirmation telegrams are only sent after wireless control commands.

- Ox00 is sent after applying of supply voltage.
- Ox01 is sent when raising up.
- Ox70 is sent after 200 seconds = upper limit is reached
- Ox02 is sent when shutting down.
- Ox50 is sent after 200 seconds = lower limit is reached.

If it is stopped before termination of the RV time via pushbutton, a telegram with the actually driven time and the travel direction is sent.

Teaching-in a confirmation telegram of another BUS actuator into the FTS14GBZ:

Like the teaching-in of sensors, set the middle rotary switch to LRA instead of LRN.

Configure FTS14GBZ:

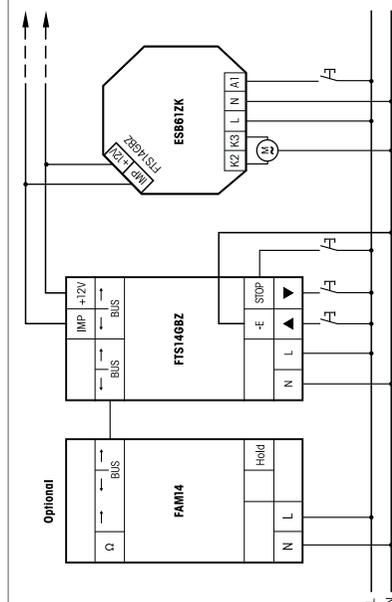
The following points can be configured using the PC PCT14 tool:

- Teach in buttons with single or double click
- add or change sensors

Caution: Do not forget the 'Disconnect link to FAM' in the PC Tool. No wireless commands are executed while there is a link between the PC Tool and the FAM14.

Technical data	
Control voltage:	Control current:
8V AC/DC	1.4 mA/2.5 mA
12V AC/DC	2.3 mA/4.0 mA
24V AC/DC	5.0 mA/9.0 mA
230V AC/DC	5 (100) mA/ 5 (100) mA (<5 s)
Parallel capacitance (approx. length) control lead at 230V	0.9 µF (3000 m)
Standby loss	0.2 W

Typical connection



Must be kept for later use!

We recommend the housing for operating instructions GBA14.

Eltako GmbH

D-70736 Fellbach
+49 711 94350000
www.eltako.com