



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%.

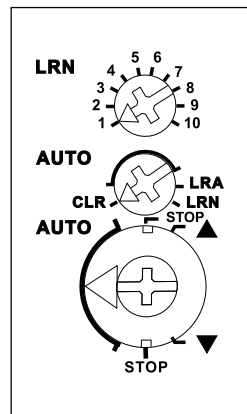
Gateway to central control with low voltage of impulse switch for shading elements and roller shutter ESB61ZK. Standby loss only 0.2 Watt. Modular device for DIN-EN 60715 TH35 rail mounting. 2 module = 36mm wide, 58mm deep.

**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.

0x00 is sent after applying of supply voltage.

0x01 is sent when raising up.

0x70 is sent after 200 seconds = upper limit is reached

0x02 is sent when shutting down.

0x50 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.**

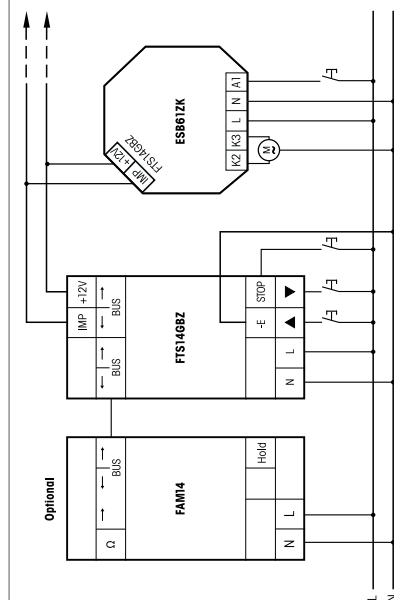
**Technical data**

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)
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Standby loss	0.2 W
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**Typical connection**



**Must be kept for later use!**

We recommend the housing for operating instructions GBA14.

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