



Impulse switch for shading elements and roller shutters

ESB61ZK-230V

**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%.

Impulse switch for shading element and roller shutters with central control for low voltage in conjunction with FTS14GBZ gateway.

1+1 NO contact not potential free 10A/250V AC, for a 230V AC motor.

Standby loss only 0.4 watt.

For installation.

45 mm long, 55 mm wide, **32 mm deep.**

This impulse switch converts low-voltage signals of the FTS14GBZ or the local 230V pushbutton and switches a 230V motor for a shading element or a roller shutter.

Supply and switching voltage 230V.

Up to 100 ESB61ZK devices can be connected to one FTS14GBZ.

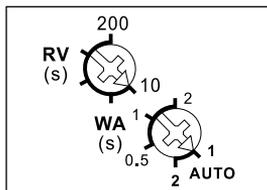
In the event of a power failure, the device is switched off in defined mode.

**By using bistable relays 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.

The 'Up, Stop, Down, Stop' pulses are controlled by the control pushbutton at A1. The 'Central Up', 'Central Down' and 'Stop' commands are controlled by the FTS14GBZ Gateway by means of the additional control inputs IMP and +12V.

## Function rotary switches



The release delay is set by the **RV** rotary switch. If the group impulse switch is in the 'Up' or 'Down' position, the set delay time starts. When it elapses, the device switches over automatically to 'Stop'. Therefore select a delay time which is at least as long as the shading element or the roller shutter needs to move from one end position to the other.

The automatic reversal function is controlled by the **WA** rotary switch: the automatic reversal function is switched on with a reversal time setting of 0.5 to 2 seconds. A direction reversal only takes place with 'Down' after the delay time set with the upper rotary switch elapses, e.g. to stretch an awning or place blinds in a specific position.

**AUTO 1:** No automatic reversal function and no convenience reversal function. With A1 dynamic Up-Stop-Down-Stop.

**AUTO 2:** Automatic reversal function with 1s reversal time. In addition the local convenience reversal function for blinds is active at A1: a double pulse causes a slow turning in the opposite direction which is stopped by a further pulse. With A1 dynamic Up-Stop-Down-Stop.

### Activating the FTS14GBZ Gateway

#### 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:

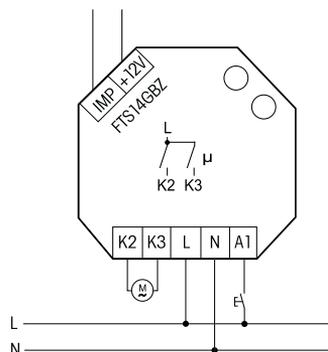
Press top to activate switch position 'Up' directly. Motion stops when released.  
 Press bottom to activate switch position 'Down' directly. Motion stops when released.

**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.

## Technical data

Rated switching capacity	10A/250V AC
Inductive load	650W
cos φ = 0,6/230V AC	
Control current A1,	0.7 mA
at 230V ±20%	
Standby loss (active power)	0.4 W
at 230V	

## Typical connections



**Must be kept for later use!**

## Eltako GmbH

D-70736 Fellbach

+49 711 94350000

www.eltako.com