

Tap-radio® shading element actuator



TF61J-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%.

valid for devices from production week 50/16 (see bottom side of housing)

Wireless shading element and roller shutter actuator 1+1 NO contact 4 A/250V AC for a shading element motor. Standby loss only 0.8 watt.

For installation:
45mm long, 45mm wide, 18mm deep.

Up to 24 wireless universal pushbuttons, wireless direction pushbuttons and wireless central control pushbuttons can be taught in using easy tap-radio® technology.

Zero passage switching.

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

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

In addition to the wireless control input via an internal antenna, this tap-radio® actuator can also be controlled locally by a conventional 230V control switch if fitted previously. Glow lamp current is not permitted.

Wireless pushbuttons can be taught in with either the functions 'Up-Stop-Down-Stop' as universal pushbuttons or as local pushbuttons as well as a wireless pushbutton or roller shutter double pushbuttons can be taught in as direction pushbuttons with press top for 'Up' and

bottom for 'Down'. Press briefly to stop the movement. In addition the central control pushbuttons can be taught in without priority.

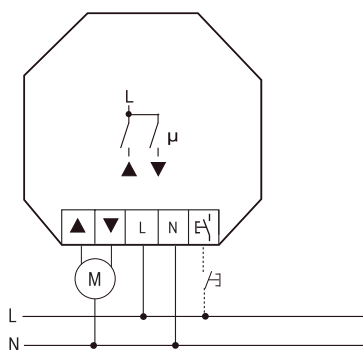
The tap reverse function can be activated: universal pushbuttons, direction pushbuttons and wired pushbuttons are initially in static mode so that the position of the blind can be adjusted.

With control via GFVS software, operating commands for up and down with the exact travel time information can be started. As the actuator reports the exact elapsed time after each activity, even when driving was triggered by a pushbutton, the position of the shading is always displayed correctly in the GFVS software. Upon reaching the end positions above and below the position is automatically synchronized.

When a TF-FKB or TF-FKE wireless window contact is taught in, a lockout protection is set up for open windows or doors to disable the Central Down and GFVS Down commands.

Up to 24 wireless pushbuttons can be taught in.

Typical connection



Start-up:

After you switch on the power supply, 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 a short 'Down, Stop' signal.

Teach in wireless pushbutton:

Universal pushbutton: tap briefly 3 times;

Direction pushbutton: tap briefly 4 times; Top part of direction pushbutton as 'Up' and lower part as 'Down' and 'Stop' in each case; direction pushbuttons are fully taught in automatically when the top or bottom part is pressed.

Central control pushbutton Up: Tap briefly 5 times;

Central control pushbutton Down: Tap briefly 6 times;

Window contact: Close and open the window briefly 4 times;

GFVS: Teach-in telegram: 0xFF80D80, this automatically switches on and sends confirmation telegrams. It locks automatically the teach-in mode.

After a pushbutton is taught in, it is confirmed by a short 'Down, Stop'; 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 a two short "Off, Stop" messages.

Block teach-in mode immediately:

Tap 3 times briefly and once long (>1 second) on a wireless pushbutton (not central control pushbutton) that is already taught in or the local pushbutton. Blockage is signalled by two short 'Down, Stop' signals.

Unblock teach-in mode:

Tap 4 times briefly and once long (>1 second) on a wireless pushbutton already taught in (not a central command pushbutton) or the local pushbutton.

Readiness for teach-in is indicated by a short 'Down, Stop' signal.

Clear memory content completely (restore as-delivered state):

1. Switch power supply off/on.
2. Tap 8 times briefly and once long (>1 second) on a wireless pushbutton already taught in (not a central command pushbutton) or the local pushbutton.

Clear is signalled by a brief 'Down, Stop'.

3. Apply on 'Teach in wireless pushbutton'.

Tap reverse activation:

1. Switch power supply off/on.
2. Tap 5 times briefly and once long (>1 second) on a wireless pushbutton already taught in (not a central command push button) or the local pushbutton. On is signalled by a two brief 'Down, Stop' signals. Off is signalled by a brief 'Down, Stop'.

Tap reverse deactivation (factory setting):

1. Switch power supply off/on.
2. Tap 6 times briefly and once long (>1 second) on a wireless pushbutton already taught in (not a central command push button) or the local pushbutton. Off is signalled by a brief 'Down, Stop' signal.

Switch on/off confirmation telegrams:

1. Switch power supply off/on.
2. Tap 7 times briefly and once long (>1 second) on a wireless pushbutton already taught in (not a central command pushbutton) or the local pushbutton. On is signalled by a two brief 'Down, Stop' signals. Off is signalled by a brief 'Down, Stop'.

The release delay time in as-delivered state is 200 seconds.

Teach in individual release delay time:

1. Start "go down" by briefly tapping an already taught-in wireless pushbutton or the local pushbutton.
2. When the shading element reaches the bottom end position, unlock the teach-in mode with an already taught-in wireless pushbutton (not a central control pushbutton) or the local pushbutton.
3. Start by pressing long (>2 seconds) on an already taught-in wireless pushbutton (not a central control pushbutton) or the local pushbutton.

After the shading element reaches the top end position, tap the pushbutton briefly. The travel time is saved as the new release delay time. After this procedure, the teach-in mode is automatically locked.

EnOcean wireless

Frequency	868,3MHz
Transmit power	max. 10mW

Hereby, Eltako GmbH declares that the radio equipment type TF61J-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 can be requested at the address below.

Must be kept for later use!

Eltako GmbH

D-70736 Fellbach

Technical Support English:

☎ Michael Thünte +49 176 13582514

✉ thunte@eltako.de

☎ Marc Peter +49 173 3180368

✉ marc.peter@eltako.de

eltako.com