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Eltako ELECTRONICS

Tap-radio® shading element actuator

TF-TA55J-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%.

Wireless pushbutton actuator shading, 1+1 NO contact 4 A/250 V AC for one shading element motor. For single mounting 80x80x15/33 mm or mounting in the 55mm switch system. Pure white glossy. With integrated universal/direction pushbutton and terminals for additional wired pushbuttons. Only 0.8 watt standby loss.

Using easy tap-radio® technology, up to 24 wireless universal pushbuttons, wire less direction pushbuttons, wire less central control pushbuttons and motion sensors TF-BSB can be taught in. In addition the actuator can be locally controlled with a conventional 230 V wired pushbutton without glow lamp. The integrated pushbutton works ex work as an universal pushbutton and can be taught-in as an direction pushbutton using the corresponding tap-radio tapping code.

Zero passage switching.

Bidirectional wireless switchable.

Supply voltage, switching voltage and control voltage local 230 V.

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

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.

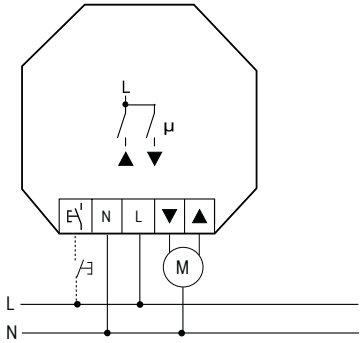
The tap reverse function can be activated: universal pushbuttons, direction pushbuttons and wired pushbuttons are intially in static mode so that the position of the blind can be adjusted.

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.

Mounting over a 55 mm switch box. 15 mm over and 33 mm into the box. 230 V power supply and wired pushbutton terminals on the rear.

Typical connection



First unlock the teach-in mode before teaching in wireless pushbuttons or changing the function of the integrated pushbutton.

Unlock teach-in mode:
Tap the rocker, a cable-bound pushbutton or an already taught-in wireless pushbutton (but not a central control button) 4 times briefly and once long (>1 second).

Teach-in mode is signalled by a short 'Down, Stop' signal.

In its as-delivered state, the rocker operates as a universal pushbutton when the top or bottom part is pressed. It can be changed into a direction pushbutton in teach-in mode. The part tapped is then defined as 'Up' and the other part as 'Down' or 'Stop'.

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: 0xFFF80D80, 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 accidental teach-in, the teach-in mode is automatically locked 2 minutes after the last teach-in. This is signalled by 2 short 'Down, Stop' signals.

Block teach-in mode immediately:
Tap the pushbutton or an already taught-in wireless pushbutton (but not a central control pushbutton) 3 times briefly and once long (>1 second). Lock is signalled by two short 'Down, Stop' signals.

Clear memory content completely (restore as-delivered state):
1. Switch power supply off/on.
2. Tap the rocker, a cable-bound pushbutton or an already taught-in wireless pushbutton (but not a central control button) 8 times briefly and once long (>1 second).
   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 the rocker, a cable-bound pushbutton or an already taught-in wireless pushbutton (but not a central control button) 5 times briefly and once long (>1 second). ON is signalled by two brief 'Down, Stop' signals.

Tap reverse deactivation (factory setting):
1. Switch power supply off/on.
2. Tap the rocker, a cable-bound pushbutton or an already taught-in wireless pushbutton (but not a central control button) 6 times briefly and once long (>1 second). ON is signalled by two brief 'Down, Stop' signals.

Switch on/off confirmation telegrams:
1. Switch power supply off/on.
2. Tap the rocker, a cable-bound pushbutton or an already taught-in wireless pushbutton (but not a central control button) 7 times briefly and once long (>1 second).
   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 the rocker, the local pushbutton or an already taught-in wireless pushbutton.
2. When the shading element reaches the bottom end position, unlock the teach-in mode with the rocker, the local pushbutton or an already taught-in wireless pushbutton (not a central control pushbutton).
3. Start 'go up' by pressing long (>2 seconds) on the rocker, the local pushbutton, or an already taught-in wireless pushbutton (not a central control 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	868,3 MHz
Transmit power	max. 10 mW

Hereby, Eltako GmbH declares that the radio equipment type TF-TA55J 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!

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26/2017 Subject to change without notice.