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Wireless shading element and roller shutter actuator

FJ62/12-36V DC

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 shading element and roller shutter actuator 1+1 NO contact, 4 A/36 V DC, not potential free, for a shading element motor 12-36 V DC. Standby loss only 0,3-0,5 watt.

For installation. 49x51mm, 20 mm deep.

The terminals are plug-in terminals for conductor cross-sections of 0.2 mm² to 2.5 mm².

The convenient wireless technology permits the teach-in of up to 32 wireless universal pushbuttons, wireless direction pushbuttons and wireless central control pushbuttons. Bidirectional wireless switchable.

Supply voltage, switching voltage and control voltage local 12-36 V DC.

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

In addition to the wireless control input via an internal antenna, this wireless actuator can also be controlled locally by a conventional control switch if fitted previously.

Control is either by separate local control inputs for Up and Down as direction pushbuttons or these two inputs are bridged and controlled by single pushbuttons as universal pushbuttons. A change in direction then takes place by interrupting activation.

An incandescent 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

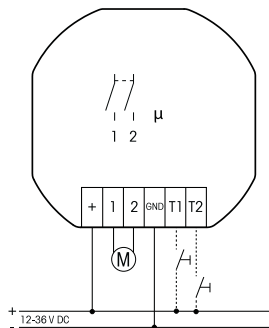
roller shutter double pushbuttons can be taught in as direction pushbuttons with press top for 'Up' and bottom for 'Down'. Press briefly to stop the movement. In addition the central control pushbuttons can be taught in without priority.

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 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.

Typical connection



Startup:

After power supply is switched on, the teach-in mode is activated automatically for 2 minutes if the memory is empty (as-delivered state) or if the teach-in mode was not blocked. Teach-in standby is alerted by a short 'Down, Stop' signal. If no action occurs for 2 minutes, teach-in mode ends automatically.

This is signalled by a short 'Down, Stop'.

Teaching-in sensors

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 FTK, FTKB: (EEP:

D5-00-01) as well as FTKE: Close and open the window briefly 4 times;

(Close window -> open -> close -> open -> close -> open -> close -> open)

Wireless window handle sensor FF67B:

(EEP: A5-14-09)

Wireless window/door contact FTKB-hg:

(EEP: A5-14-0A)

Wireless timer FSU55D, FSU65D:

(EEP: A5-38-08)

ON command = Up, OFF command = Down

GFVS: (EEP: A5-3F-7F)

Confirmation telegrams are switched on and sent automatically at teach-in. 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 avoid teach-in by accident, the teach-in mode is blocked automatically 2 minutes after the last teach-in if a universal or a direction pushbutton was previously taught in. This is alerted by two short 'Down, Stop' signals.

Encrypted and unencrypted sensors can be taught in.

Teach in encrypted sensors:

1. Activate teach-in mode if necessary.
2. Activate sensor encryption within 2 minutes.
3. Then teach in the encrypted sensor as described under 'Teach in sensors'.

With encrypted sensors, use the 'rolling code', i.e. the code changes in each telegram, both in the transmitter and in the receiver.

If a sensor sends more than 50 telegrams when the actuator is not active, the sensor is no longer recognised when the actuator is active and must be taught in again as 'encrypted sensor'.

It is not necessary to teach in the function again.

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 (>2 seconds). Lock is signalled by two short 'Down, Stop' signals.

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 (>2 seconds). Teach-in mode is signalled by a short 'Down, Stop' signal.

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

1. Switch power supply off/on.
2. Tap the already taught-in wireless pushbutton (but not a central control button) 8 times briefly and once long (>2 seconds).

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

3. Apply on 'Teach in wireless pushbutton'.

Teach-in individual release delay time

(Tap reverse function is here not allowed):

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 'go up' by pressing long (>2 seconds) on the 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.

Tap reverse activation:

1. Switch power supply off/on.
2. Tap the already taught-in wireless pushbutton (but not a central control button) 5 times briefly and once long (>2 seconds). ON is signalled by two brief 'Down, Stop' signals.

Tap reverse deactivation (factory setting):

1. Switch power supply off/on.
2. Tap the already taught-in wireless pushbutton (but not a central control button) 6 times briefly and once long (>2 seconds). OFF is signalled by two brief 'Down, Stop' signals.

Switch on/off confirmation telegrams:

1. Switch power supply off/on.
2. Tap already taught-in wireless pushbutton (but not a central control button) 7 times briefly and once long (>2 seconds).

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.



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THE UNIQUE WIRELESS PROFESSIONAL
SMART HOME STANDARD

Frequency	868.3 MHz
Transmit power	max. 10 mW

Hereby, Eltako GmbH declares that the radio equipment type FJ62/12-36V DC 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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