



Wireless sensor

Wireless rotary dimming switch
in E-Design FDDT65B

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 rotary dimming switch for single mounting 84x84x25 mm or mounting into the E-design switching system.

With batteries.

The scope of supply comprises a mounting base with snapped-on electronics, a frame R1E and a cover panel with rotary knob.

This wireless rotary dimming switch is a convenient way to control all Eltako wireless dimming actuators.

To teach-in the wireless rotary dimming switch to the actuators, remove the rotary knob.

The power supply is an internal 3V CR2032 button cell and has a service life of several years.

To replace the button cell, just remove the front panel and the rotary knob.

Only assemble on a flat surface:

Screw on mounting plate. Then snap on the frame, remove the battery insulation, plug on the rotary knob and snap on the front panel.

We recommend stainless-steel counter-sunk screws 2.9x25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5x25 mm and with 55 mm switch boxes. Set of 2 stainless-steel counter-sunk screws 2.9x25 mm and plugs 5x25 mm are enclosed.

Minimum brightness can be adjusted in 3 steps with one jumper. You can also select the soft-on function which switches

on the lighting gradually.

Teach-in:

To teach in the wireless rotary dimmer pushbutton in the actuators, pull off the rotary knob and the front panel. Press and hold the mini pushbutton (LRN) which is then accessible and briefly press the rotary knob shaft.

The adjusting teach-in position of the actuators is the rotary knob position AUTO with the FUD61NP and FUD61NPN devices or in the PCT14 position with FUD14, FSG14, FUD71 and FSG71 devices.

Teach-in telegram: 0xE0400D80

When the FDDT65 is taught in the TF61D or TF100D devices, the teach-in mode is disabled automatically.

Enable teach-in mode with FDDT65:

Plug in the two jumpers on the 4 pins to select the minimum brightness and briefly press the rotary spindle.

Press the middle of the rotary knob to switch on with memory value and to switch off and save the current dimming value.

Turn to the right (clockwise) to dim up. The turning speed determines the dim-up speed.

If the dimming actuator was switched off to the right at the start of dimming, switch-on is at minimum brightness followed by gradual dim-up. **This is the children's room circuit.**

If the rotary knob is turned to the right jerkily – with the actuator previously switched on or off – dim-up is rapid to full brightness. This corresponds to the double-click function of a normal direction pushbutton, top.

Turn to the left (anticlockwise) to dim-down to the minimum brightness adjusted on the dimming actuator. The turning speed determines the dim-down speed.

If the rotary knob is turned to the left jerkily, dim-down is rapid to the minimum brightness adjusted on the dimming actuator.

If the dimming actuator was switched off to the left at the start of dimming, switch-on is at minimum brightness

followed by gradual dim-up by turning to the right.

To replace the CR2032 button cell, just remove the cover panel comprising the rotary knob.

Set the **minimum brightness** in 3 steps using the Min. Level jumper.

The lowest dimming value of 10% is situated in the as-delivered state (jumper plugged onto the two centre pins).

To reduce the lowest dimming value to 1%, plug the jumper onto the two left pins.

To raise the lowest dimming value to 20%, plug the jumper onto the two right pins.

When the Soft-On jumper is plugged onto the two pins, **Soft-On** is selected and the lighting is switched on gradually.



Attention: Danger of explosion if battery is replaced improperly. Only replace it by an equivalent type!

ELTAKO GmbH hereby declares that the products that relates to this operating manual, are in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC. A copy of the EU declaration of conformity can be requested at the address below.

Must be kept for later use!

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