Eltako

Wireless sensor
Wireless brightness twilight sensor FHD60SB

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 brightness twilight sensor pure white with solar cells and battery (lifetime 5-8 years). For indoors and outdoors. lxwxh: 60x46x30 mm. Actuators can cover the range from 0 to 50 Lux using the twilight switch function. Smart Home sensor.

The electronic requires no intrinsic power supply, so there is no standby loss.

The wireless brightness twilight sensor is powered by a solar module and a button cell CR2032 and covers the range from 0 to 30.000 Lux. From approx. 300 Lux, it transmits a wireless telegram to the Eltako wireless network every time there is a brightness change of more than approx. 500 Lux within approx. 10 seconds.

Actuators FSB, FSR and FUD can cover the range from 0 to approx. 50 Lux using the twilight switch function. A wireless telegram is sent about every 100 seconds within this range.

At consistent brightness every approx. 100 sec., a control wireless telegramm will be sent.

The electronics is powered by an internal button cell CR2032 for several years. To change the cell, only remove the front panel. This is also necessary to activate battery supply by removing an insulation strip. In delivery status only the 'FAH-Modus' is activiated.

If 'TF-Modus' is switched on additionally, the sensor can be teached in as twilight-sensor in tap-radio actuators FL62, FR62, FD62, FTA65L, FTA55L, FTA65D and FTA55D. When the stored threshold value (0 to approx. 50 lux) is subtracted, the sensor emits an 'ON Telegramm' 3 times within 10 seconds'. If the brightness value of approx. 500 lux is reached, an 'OFF telegram' is sent 3 times within 10 seconds.

The permissible ambient temperature is -20°C to + 55°C.

The protection class is IP54.

Assembly by screwing or gluing. An adhesive foil is included as well as a set of screws and dowels.

Shading elements must not cover brightness sensors. Keep the solar cell cover clean.

Teach in the sensor as 'FAH' to the FSB, FSR, FUD actuators and GFVS:
Hold the enclosed magnet briefly (<2 s) at the designated position ■.
An FAH learning telegram is sent.

The switching threshold is set on the actuator, as described in the respective operating instructions.

Activate 'TF mode' and teach in the sensor into the tap radio actuators FL62, FR62, FD62, FTA65L, FTA55L, FTA65D and FTA55D: Hold the enclosed magnet for 3 seconds at the designated place ■.
A TF teach in telegram is sent and the current brightness is stored as a threshold value in the sensor. The teach in mode of the actuator is automatically terminated and disabled.

The threshold value in the sensor can be changed afterwards by holding the enclosed magnet at the designated place ■ for 3 seconds.

Activate the teach in mode of a tap-radio actuator with FHD60SB and restore the delivery state:
Hold the enclosed magnet for 15 seconds at the designated location ■.

FAH-Modus:
Teach-in telegram: 0x18080D80
Data telegram to EEP A5-06-01
Data_byte3 = brightness 0-100 lux,
linear n = 0x00-0x64
(only valid if DB2 = 0x00)
Data_byte2 = brightness 300-30.000 lux, linear n = 0x00-0xFF
Data_byte1 = -
Data_byte0 = 0x09

TF-Modus:
Teach-in telegram: 0xE0400D80
Data telegram to EEP A5-38-08
Data_byte3 = 0x01
Data_byte0 = 0x08 = OFF
0x09 = ON
0x28 = Unlocking

The crossed-out waste container indicates that batteries may not be disposed with other household or commercial waste. Batteries can be returned free of charge to the retail outlet after use.

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

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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 FHD60SB 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!