

Wireless sensor

Outdoor brightness sensor

FAH65S



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 outdoor brightness sensor, 84x84x39mm, Protection degree IP54. The electronic requires no intrinsic power supply, so there is no standby loss. The wireless outdoor brightness sensor powered by a solar module covers the range from 0 to 30000 Lux. From approx. 300 Lux, it transmits a wireless telegram to the Eltako - Wireless Building every time there is a brightness change of more than approx. 500 Lux within approx. 10 seconds. If the brightness does not change, a control signal is sent approx. every 100 seconds.

New actuators FSR and FSB 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.

In as-delivered state the energy accumulators are empty and must therefore be charged in bright daylight for approx. 5 hours.

The power reserve stored in capacitors supplies the power requirement for the night.

In normal ambient brightness (at least a daily average of 200 Lux), the energy of the integrated solar module is sufficient to power the FAH65S. The sensor requires no installation depth behind the mounting plate and can be screwed to any flat surface.

The complete module can be removed from the frame for screw mounting.

We recommend stainless-steel counter-sunk screws 2.9x25mm, DIN 7982 C, for screw connections. Both with rawl plugs 5x25mm and with 55mm switch boxes.

This sensor should not be exposed to rain or other water splashing.

To teach-in an actuator in teach-in mode, hold the supplied blue magnet or any other available magnet below the point on the side panel of the sensor marked by ■. This sends a teach-in telegram.

When teaching-in in actuators, the switching threshold is defined for switching the light on/off depending on the brightness.

EnOcean wireless

Frequency	868.3 MHz
Transmit power	max. 10mW

Hereby, Eltako GmbH declares that the radio equipment type FAH65S 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!

Eltako GmbH

D-70736 Fellbach

Technical Support English:

☎ Michael Thünte +49 176 13582514

✉ thuent@eltako.de

☎ Marc Peter +49 173 3180368

✉ marc.peter@eltako.de

eltako.com