

Wireless sensor wireless indoor CE brightness sensor FIH63AP

Wireless indoor brightness sensor for surface mounting, LxWxH = 80x80x30mm.

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

The wireless indoor brightness sensor FIH63AP 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 network 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. 30 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 be charged in bright daylight for about 5 hours or connected to a charger for about 10 minutes via the red/black 12V DC connecting cable.

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 FIH63AP. Then the 12V DC connecting cable may be cut off if necessary. The sensor then requires no installation depth behind the mounting plate. It can be screwed or stuck to any flat surface. An adhesive film is supplied. We recommend sheet metal countersink screws 2.9x25mm, DIN 7982 C, for screw connections. Both with rawl plugs 5x25mm and with 55mm switch boxes.

If the ambient brightness is insufficient, power is supplied by the connecting cable from a switching power supply unit SNT61-230V/12V DC fitted below in a switch box.

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

To teach-in in an actuator in teach-in mode, hold the supplied blue magnet or any other magnet at hand 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.

Technical data

Operating temperature	-20 °C/+55 °C
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Important note!

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock.