



Wireless sensor
Wireless indoor brightness sensor
FIH63AP

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 indoor brightness sensor for single mounting and mounting in the 55x55 mm and 63x63 mm switching program.

The electronic requires no intrinsic power supply, so there is no standby loss. The scope of delivery includes a frame R and an intermediate frame ZR with the same colour as well as a mounting plate. The installation in an existing frame R1F, R2F or R3F for flat pushbuttons is also made with the intermediate frame ZR.

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 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. 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 to any flat surface.

We recommend stainless-steel counter-sunk 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.

If the ambient brightness is insufficient, power is supplied by the connecting cable from a switching power supply unit FSNT61-12 V/6W 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.

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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