Wireless sensor
Outdoor motion/brightness sensor FABH65S

Battery-free
by EnOcean

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 motion/brightness sensor, 84x84x39 mm.

In as-delivered state the energy accumulators are empty and must be charged in bright daylight for about 10 hours.

In normal ambient brightness (at least a daily average of 200 Lux), the energy of the integrated solar module is sufficient to power the FABH65S.

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

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 countersunk screws 2.9x25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5x25 mm and with 55mm switch boxes. Set of 2 stainless-steel countersunk screws 2,9x25 mm and plugs 5x25 mm are enclosed.

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.

The sensor measures from 0 to 510 lux and transmits a message to the Eltako wireless network every 100 seconds if the brightness changes by min 10 lux.

If the sensor detects motion, it sends a signal twice immediately.

The switch-off signal is sent after the off delay which has a fixed setting of 1 minute. If there is no change, a status message is sent every 20 minutes.
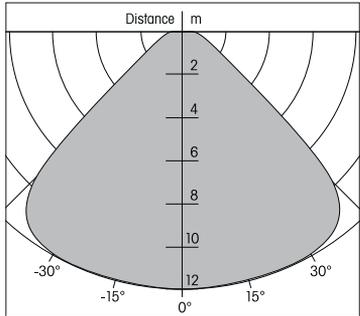
When teaching-in in actuators, the switching threshold is defined for switching the light on/off depending on the brightness. If a FABH detects motion, then the device is switched on and only when all the FABHs taught-in in an actuator fail to detect motion for one minute, the actuator return delay starts if this was previously set.
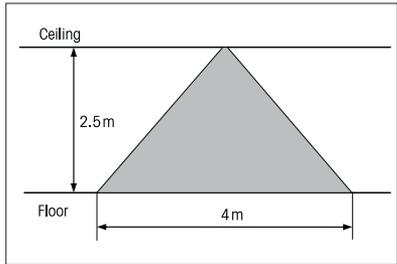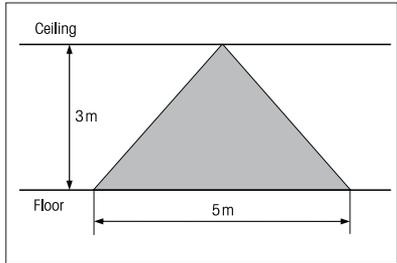
⚠ For wall mounting, the FABH65S must be installed with the openings facing downwards.

Wall mounting

Ceiling mounting

Wireless telegrams according to EEP A5-08-01 (Exceptions by Eltako)
Expanded brightness range, no Occupancy Button in DB0_Bit0)
$ORG = 0x07$
Data_byte3 = operating voltage 0..5,1 V (0..255)
Data_byte2 = brightness 0..510 lux (0..255)
Data_byte1 = -
Data_byte0 = 0x0D = motion
0x0F = no motion
Teach-in telegram: 0x20080D85

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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 FABH65S 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!

03/2022 Subject to change without notice.