

Wireless sensor

Motion/brightness sensor

FBH65/12V DC



**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 &lt;75%.

Wireless motion/brightness sensor for surface mounting 84x84x39mm or mounting into the E-design switching system. Power supply with a 12V DC power supply unit. Only 1mW standby loss. Smart Home Sensor.

In the as-delivered condition, the energy storage is empty and needs to be charged before use.

When operating with 12V DC via the red/black connection cable, the sensor is ready for operation after approx. 3 minutes.

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

We recommend stainless-steel counter-sunk 2.9x25mm, DIN 7982 C, for screw connections. Both with rawl plugs 5x25mm and with 55mm switch boxes. Set of 2 stainless-steel counter-sunk screws 2,9x25mm and plugs 5x25mm 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.

A red **LED** behind the Fresnel lens confirms transmitting of the teach-in telegram by flashing briefly.

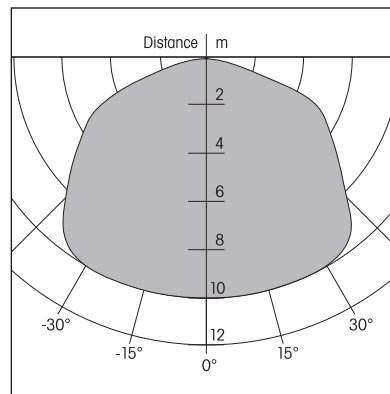
The sensor measures from 0 to 2000lux and transmits a message to the Eltako

wireless network every 100 seconds if the brightness changes by min 10lux. 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.

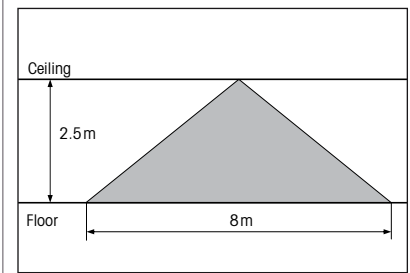
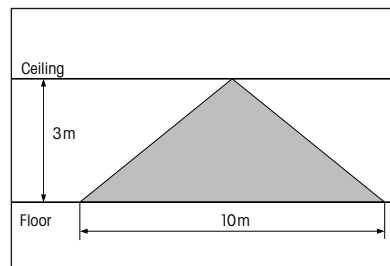
When teaching-in in actuators, the switching threshold is defined for switching the light on/off depending on the brightness.

If a FBH detects motion, then the device is switched on and only when all the FBH taught-in in an actuator fail to detect motion for one minute, the actuator return delay starts if this was previously set.

### Wall mounting



### Ceiling mounting



### EnOcean wireless

Frequency	868.3 MHz
Transmit power	max. 10mW

Hereby, Eltako GmbH declares that the radio equipment type FBH65/12V DC 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](http://eltako.com)

**Must be kept for later use!**

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