

Wireless sensor



Motion and brightness sensor FBH

For ceiling mounting, 108x108 mm, 26 mm high.

The wireless motion/brightness sensor FBH powered by a solar module transmits a signal to the Eltako wireless network every 100 seconds with a change in brightness of min 10 lux. If the sensor detects motion, it sends a signal immediately. The switch-off signal is sent after the off delay which has a fixed setting of 1 minute.

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

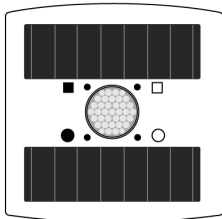
Additional variables are also taught-in on the FKR12.

Teaching-in Wireless Sensors in Wireless Actuators: See User's Manual for the respective wireless actuator.

When an FBH detects movement, switching takes place and time delay only starts when all taught-in FBHs detect no more movement.

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

Layout:



- LRN button
- Test button
- LED Test
- Light meter

LRN function button:

Press the *LRN* button to teach in or clear the FBH in a wireless actuator set to teach-in mode.

After teach-in, the FBH and the actor synchronise themselves provided no object enters the detection range of the FBH for at least 1 minute.

Solar-powered energy accumulator:

Before startup the energy accumulator must be charged. The charge time is approx. 5-10 minutes at 50-100 Lux. The device is then ready for immediate operation (teach-in or clear).

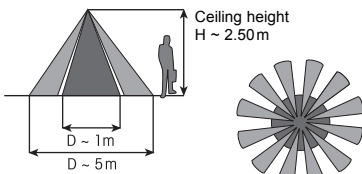
To ensure the light meter functions properly, the energy accumulator must be charged for several days at 50-100 Lux.

Do not touch solar cells with your fingers. Only clean solar cells with a soft cloth and use very slight pressure. Direct sunlight can damage solar cells.

Battery use (optional):

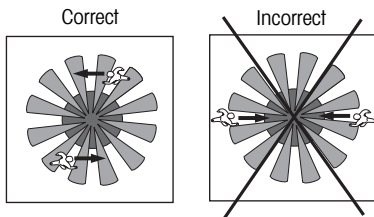
The FBH can be operated with batteries (Type 1.5V Micro AAA). This is necessary when it is used in rooms with little daylight or artificial light (below 50 Lux). When the FBH is started and it is operated with batteries, it can be taught-in directly (without charge time).

Detection zone:

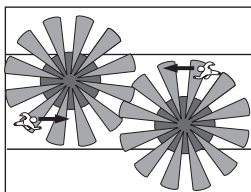


Screw **the mounting base** to the ceiling, fit the wireless motion and brightness sensor FBH and rotate clockwise until it snaps in.

For optimum motion detection, the sensor must be mounted sideways to the detection zone so that the zones are intersected as vertically as possible.



Application in corridors



Important reminder!

This electrical equipment may only be installed by skilled electricians!