GB

30 000 460-1

Eltako ELECTRONICS

# Wireless sensor CE
# Motion/brightness sensor FBH55

Motion/brightness sensor for integration in the 55x55mm and 63x63mm switch system.

Power supply either with solar cell module FSZ55 or with switching power supply unit SNT61-230V/12V DC.

The scope of supply includes a frame R, an intermediate frame ZR in the same colour, a mounting plate and an adhesive film. In addition, an intermediate frame ZRF in the same colour is supplied for installation in an existing frame R1F, R2F or R3F for flat pushbuttons.
The switch mode power supply SNT61-230V/12V DC must then provide the power supply.

The motion/brightness sensor FBH55 requires no installation depth behind the mounting plate.

It 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 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.

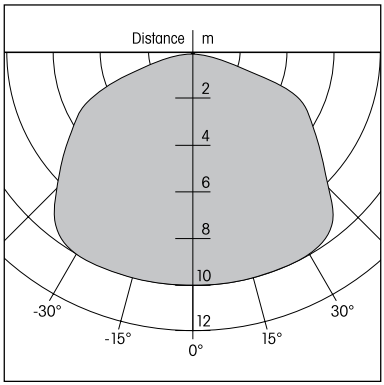
When an FBH detects movement, switching takes place then and time delay only starts when all FBHs taught-in in an actuator detect no more movement.

**LRN function button:**
Press the LRN key on the rear to teach in or clear an FBH55 in a wireless actuator that is set to teach-in mode.
After teach-in, the FBH55 and the actor synchronise themselves provided no object enters the detection range of the FBH55 for at least 1 minute.

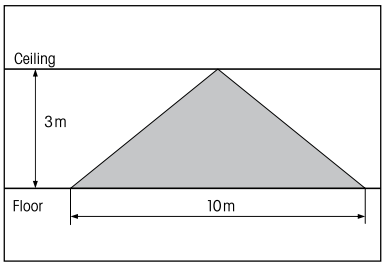
**Solar-powered energy accumulator:**
Before startup the energy accumulator must be charged.
When operated with solar cell module FSZ55, the charging time is approx. 1 hour at 2000Lux. The device is then ready for immediate operation (teach-in or clear).
To ensure the light meter functions properly, the energy accumulator must be charged for approx. 3 hours at 2000Lux, several days at 100-200Lux.

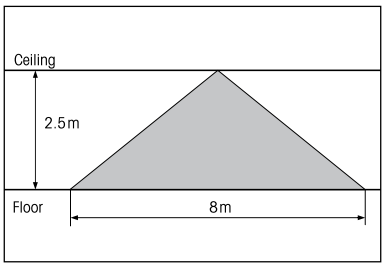
**Switching power supply unit operated energy accumulator:**
Before startup the energy accumulator must be charged. With switching power supply unit SNT61-230V/12V DC, the charging time is only 3 minutes. The power reserve in case of power supply failure is approx. 24 hours.

**Wall mounting**




**Ceiling mounting**




## Important Note!

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

03/2011 Subject to change without notice.