

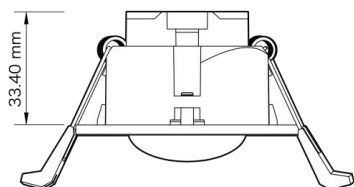
BCK-SMVF-CE01 Infrared Motion Sensor



Description

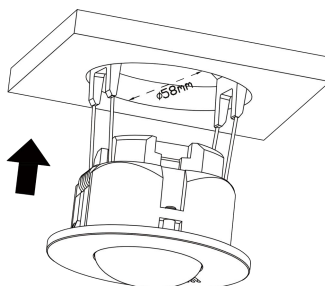
The infrared motion sensor can detect movement within a room and send control signals via KNX. The device continuously monitors the indoor light level and will turn off the lighting switch module if the natural light is sufficient, even when someone is present. The device can simultaneously enable three functions (illuminance sensing, motion sensing, and illuminance&motion sensing)

Dimensions

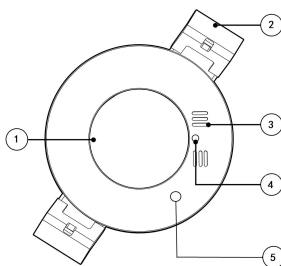


Installation Instructions

- Ceiling-mounted flush installation
- Cut-out diameter: $\phi 55 \leq d \leq 58 \text{ mm}$
- Adjust the spring clips to a vertical position, insert the sensor, and the spring clips will automatically snap back to secure it in place.

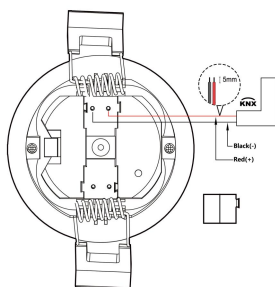


Interface Description



1. Motion Detection Sensor
2. Spring Clip
3. Programming Indicator Light
4. Programming Button
5. Illuminance Detection Sensor

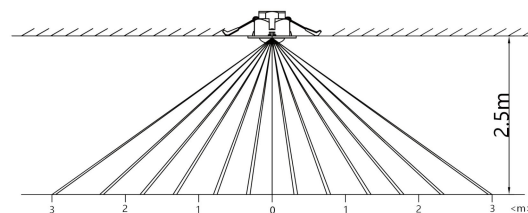
Connection



- Separate the KNX/EIB cable, strip 5mm of insulation from the red and black KNX/EIB signal wires respectively, insert the red wire into the red section of the terminal, and insert the black wire into the black section of the terminal.
- 10 seconds after applying KNX/EIB power, the device automatically calibrates and starts operating.
- Press the device programming button, when the indicator light stays solid red, it indicates the device has started successfully.

Detection Range

Optimal installation height: 2.5 meters.
Detection range: centered on the device, with a detection diameter of 6 meters (high sensitivity zone) to 8 meters (low sensitivity zone)



Technical Specifications

- KNX voltage: 30VDC
- KNX current: $\leq 10 \text{ mA}$
- Power consumption: $\leq 0.3 \text{ W}$
- High sensitivity detection distance (radius): $\leq 3 \text{ m}$
- Low sensitivity detection distance (radius): 3-4m
- Recommended installation height: 2.5-3m
- Operating temperature: -5°C to $+45^{\circ}\text{C}$
- Operating humidity: 5% to 95%RH
- Installation method: Ceiling-mounted
- Dimensions: Diameter 66mm \times 45mm