Sensor

SR510000 v1.0

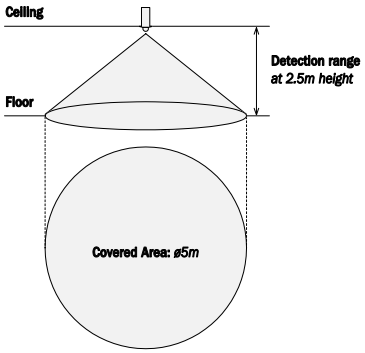
General description

It is a motion-brightness detector that has a passive infrared sensor which detects any movement within its detection range. It has a high level of immunity from false alarms, electromagnetic fields and temperature variations. It allows a wide and easy parameterization, being suitable for lighting functions, as well as people detection and intruder control. It also includes an additional channel that can work in dependence of daylight or permanently depending on the settings.

These type of detectors are indicated to be placed inside homes, buildings, etc. Avoid installation in places exposed to direct sunlight and drafts. Also, avoid placing the detector behind large objects because it will reduce the detection range.

Characteristics

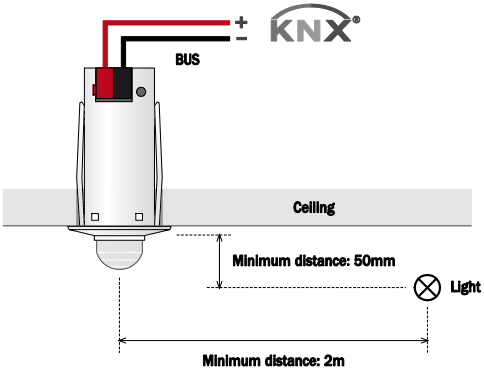
- High immunity infrared passive sensor
- 2 detection channels
- Secondary brightness dependent channel
- Embedded installation and discreet sensor
- Brightness level learning function
- Detection area:



Technical information

Power supply	29V_{DC} form KNX BUS
Current Consumption	4mA from KNX BUS
Connections	BUS connection terminal KNX
Detection range	Ø 5m at 2.5m height
Mounting / Size	Embedded in ceiling. Ø Embedded: 25mm / Ø Seen: 36mm / Length: 50mm.
Environment temperature range	Operation: -10ºC to 55ºC Storage: -30ºC to 60ºC Transportation: -30ºC to 60ºC
Regulation	According to the directives of electromagnetic compatibility and low voltage. EN 50090-2-2 / UNE-EN 61000-6-3:2007 / UNE-EN 61000-6-1:2007 / UNE-EN 61010-1

Installation



IMPORTANT: Connecting the KNX bus upside down causes damage to the equipment

Observations

Install low voltage lines (KNX bus and inputs) in a ducting separated from the power (230V) and outputs lines ducting to ensure there is enough insulation and avoid interferences.

Do not connect the main voltages (230V) or any other external voltages to any point of the KNX bus or inputs.

QR Code

Ingenium, Ingeniería y Domótica S.L. - Parque Tecnológico de Asturias, Parcela 50 - 33428 Llanera, Asturias, Spain
T (+34) 985 757 195 - tec@besknx.com - www.besknx.com - www.ingeniumsl.com