

Description

The SB-CMS-PIR is a Ceiling Mount Infrared Motion Sensor.
Incorporates: PIR motion sensing function

Environmental Conditions

Working Temperature: $-5^{\circ}\sim 45^{\circ}$
Operating Relative Humidity: 20%~90%
Storage Temperature: $-40^{\circ}\sim +55^{\circ}$
Storage Relative Humidity: 10%~93%
Protection Grade : 2.0

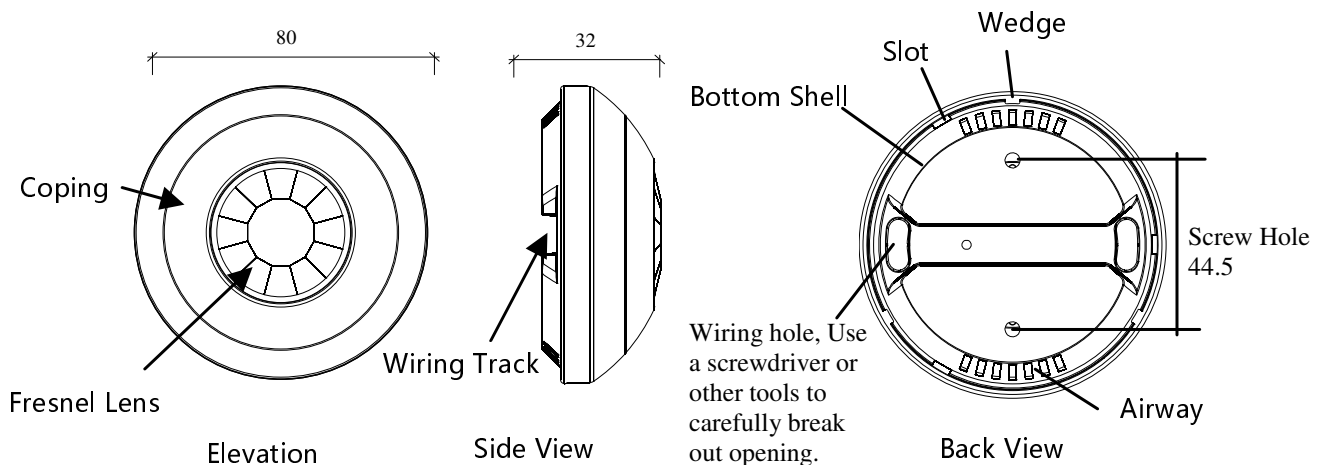
Features

- Can control based on detecting motion or lack of motion. Maximum 99 targets
- Master-slave mode selectable
- Security supported

Performance Parameters

- Input Voltage: DC 12-30 V
- Input Current: 15mA/DC 24V
- Installation: Ceiling or Wall mount
- Sensitivity setting range: 20 ~ 80
- The maximum detection angle: 110°
- Maximum detection range (Radius: 4.8m, height 3.4m)
- Exterior Size : 80mm×80mm×32mm

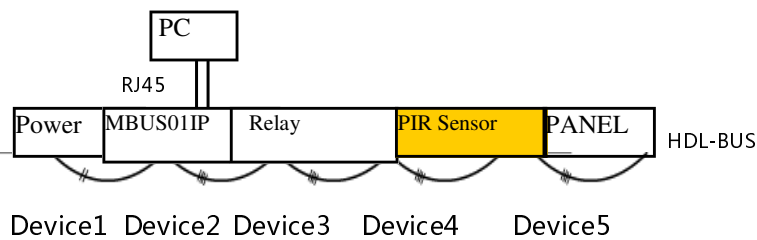
Installation Dimensions



Installation Requirements

- Interior installation and ambient temperature is below 35 degrees Celsius, high temperature environments will lower sensitivity
- Do not install near air-conditioning vents, temperature changes may cause malfunction
- Do not install near strong electromagnetic interference, strong electromagnetic interference may cause malfunction
- Accessories: Each sensor is supplied with an adjustable plastic bracket, to shield part of the sensing area if necessary
- Bus connection: CAT-5 UTP

System Connection Diagram



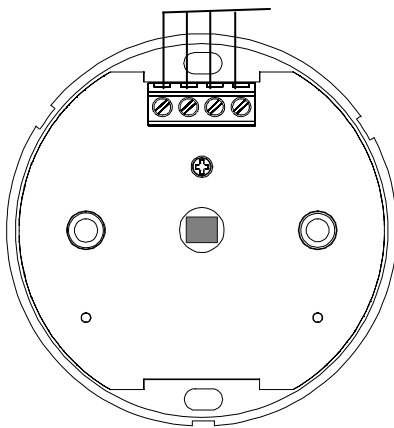
Smart-Bus CAT5 Wire Definition

Brown, White & Orange, White	COM
Blue, White & Green, White	DATA-
Blue & green	DATA+
Brown & Orange	DC24V

Recommended Connection: Daisy Chain

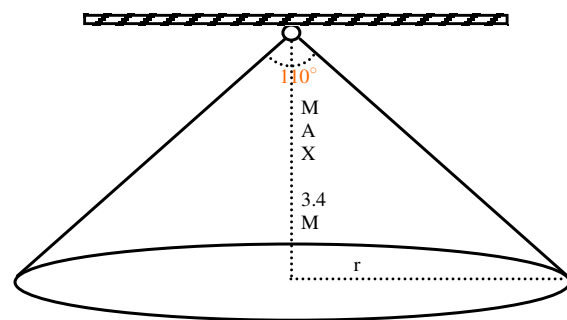
Wiring for installation

485 BUS Connector,
DC24V、485+、485-、COM



Interior Structure

Motion Detecting Range and Recommended Height



Detecting Range r : 4.8M

Packing list

- SB-CMS-PIR 1 PC
- Installation Manual 1 PC
- Fresnel lens bracket

Safety and Maintenance

- Read all instructions in detail before use
- Ensure mounted equipment is well ventilated
- Install in location that is free of moisture, vibration and dust
- Do not allow contact with water or other liquids or corrosive gases
- Contact authorised maintenance staff should this product require service