Description
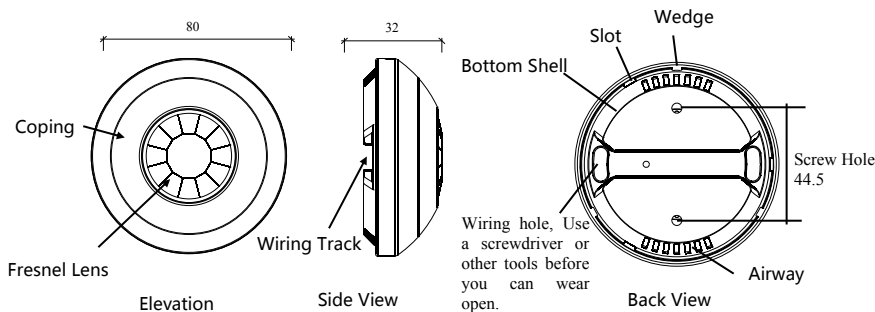
SB-CMS-PIR Ceiling Mount Infrared Motion Sensor adopting passive infrared detection technology to detect temperature radiating objects or body movement, This sensor has a security function at the same time, it can be used as a normal motion and security detector

Environmental Conditions

Working Temperature: -5□~45□
Operating Relative Humidity: 20%~90%
Storage Temperature: -40□~+55□
Storage Relative Humidity: 10%~93%

Protection Grade：2.0

Features

. Can detect with motion or without motion, Maximum 99 targets.
. Use dual-detect technology: Infrared and motion(change)
. Master-slave mode selectable
. Security supported

Performance Parameter

. 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 & Height3.4m
. Exterior Size：80mm×80mm×32mm

Installation Dimension

80

32

Coping
Fresnel Lens
Wiring Track
Elevation
Side View

Wedge
Slot
Bottom Shell
Screw Hole 44.5
Wiring hole, Use a screwdriver or other tools before you can wear open.
Airway
Back View

Installation Requirement

1, Interior installation and ambient temperature is below 35 degrees Celsius, high temperature environment could lower sensitivity.
2, To avoid installed near the air-conditioning vent, temperature changes may cause malfunction.
3, To avoid installed near strong electromagnetic interference, strong electromagnetic interference may cause malfunction

Accessories: Each sensor is equipped with a manually range adjustable plastic bracket, to shield part of the sensing area if necessary.
Bus connection: CAT-5 UTP

System Connections Diagram

PC
RJ45
Power   MBUS01IP   Relay   PIR Sensor   PANEL   HDL-BUS
Device1 Device2 Device3   Device4   Device5

Smart-Bus CAT5 Wire Definition

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

Recommended Connection: Hand in Hand

Wiring for installation

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

Motion Detecting Range and Recommended Height

M A X 3.4 M
r

Interior Structure

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
Make sure good Ventilation Environment
Pay Attention to Water-proof, shake-proof and dust-proof when using
Non-Rain, Non-Contact with other liquids or corrosive gases
Should be dried in time if invaded by water or liquid
Contact Professional maintenance staff or HDL company when Product has problem