

## Features

SB-CMS-12in1 12 in 1 sensor includes Temperature sensor , PIR motion sensor, LUX sensor ,Ultrasonic sensor ,Dry contacts, IR received, IR emitter, two channel 5A relay output and logic block. the logic block can combine all of sensor for different application, Support HDL security mode and command.

- Temperature, LUX, IR Motion, Ultrasonic, 2 Dry Contact Inputs, 2 External Inputs, Logic, totally 9 inputs
- 2 Logic Relations : OR、 AND
- 24 Logic Blocks function,maximum 9 logic inputs, up to 20 control targets in each logic block.
- 2 channel 5A Relay output
- Build PID for constant LUX Control
- Up to 40 IR Receiving Control Target
- Up to 200 IR Sending Control Target
- Maximum 24 programmable Logic Blocks
- Security function

## Important Notes

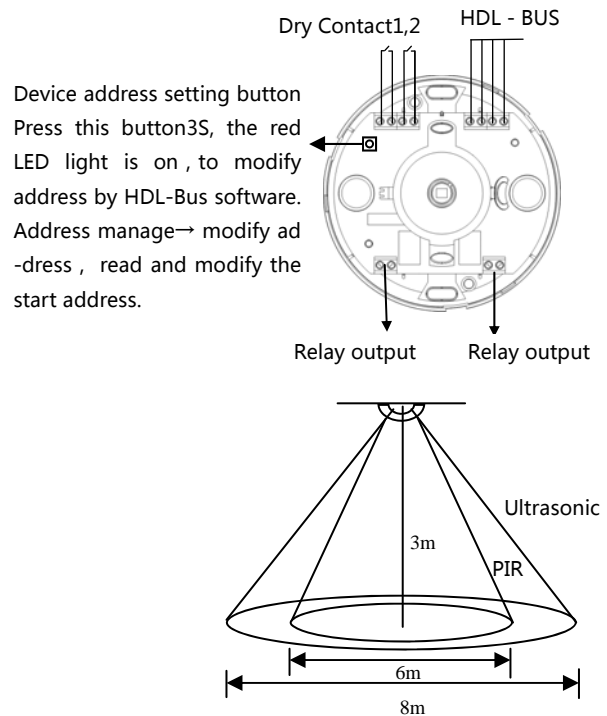
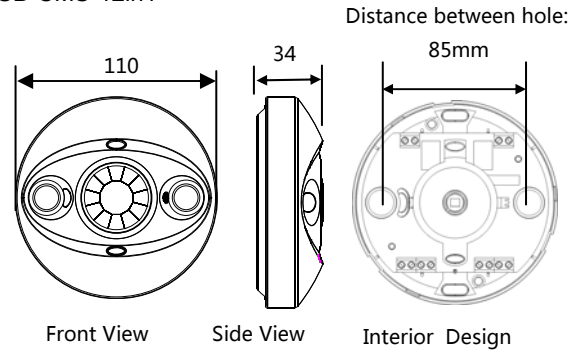
- **Installation Location** – if using PIR function in door, please stay away from AC outlets and heat source.
- **Environment temperature** - if using PIR function, please make sure the temperature is below 36°C .
- **Detect target** – PIR only can detect moving objects with heat radiation like human, animal, ultrasonic can detect all moving objects
- **IR receiver**- IR receiver only can receive HDL remote control
- **Bus Cable**– HDL-Bus/ KNX cable
- **Bus Connection** - Recommend Hand in hand
- **Installation** – Ceiling mount

## Product specifications

- Working voltage : DC24V
- Static Power Consumption ( Relay-Off ) : 40mA/DC24V
- Dynamic Power Consumption ( Relay-On ) : 90mA/DC24V
- Range of Temperature sensor: -20°C to 60°C
- Range for LUX sesnor: 0-5000Lux
- PIR Sensing range in diameter : 6m (install height-3m)
- IR Transmit carrier frequency : 38KHz
- IR emission distance: 4m
- Ultrasonic sensor in diameter : 8 m
- Dimension : 110mm ( D ) ×32mm
- CE Certification
- Working Temperature : 0~45°C
- Working Humidity : 20%~90%
- Storage Temperature : -40°C~+55°C
- Storage Humidity : 10%~93%
- Protection : IP20

## Type

SB-CMS-12in1



## HDL-BUS Definition for cable

CAT5/CAT5E	Bus	HDL Bus/KNX Cable
Brown White & Orange, white	COM	Black
Blue, White & Green, White	DATA-	White
Blue & green	DATA+	Yellow
Brown & Orange	DC24V	Red



## Safety Attention

- Screw down strength must be less than 0.1Nm
- Do not get wrong connection for bus interface, it will damage the interface of this device. HDL-BUS interface, from left are COM、 DATA - 、 DATA+ , DC+24V.
- Do not get AC power into Bus cable, it will damage other device in Bus
- Non-rain, Non-contact with other liquids or corrosive gases