HDL®

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HDL 12IN1 Sensor

Description

         12IN1 sensor is a new designed products by HDL R&D. It is a multifunction sensor for temperature detect, LUX detect, IR Sending & Receiving Control etc. And also it can be used together with the logic module in the system, to have a better functionality.

Features

- Input: Temperature, LUX, IR Motion, Ultrasonic, 2 Dry Contact Inputs, 2 External Inputs, Logic Number
- It has 2 Logic Relations : OR、AND
- 24 Logic Blocks function , Maximum 9 logic inputs, up to 20 control target in each logic block
- 2 channel 5A Relay output, common and Loop mode can be selected
- Constant LUX Control
- On-Site simulation of each interior detector
- Up to 40 IR Receiving Control Target
- Up to 200 IR Sending Control Target
- Maximum 24 Logic Blocks, function of each logic s can be programmed by software
- Each Logic has the options of Existence activity and Not-Existence activity, also delay time setting is available
- Options for Power-On setting of Logic :
  Back to the status before power off
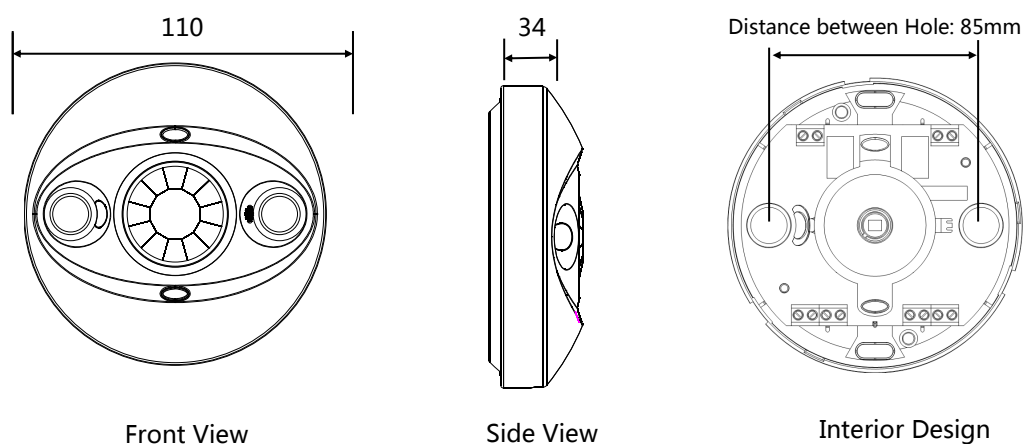 Forced to be Not-Existence
  Forced to be Existence
  N/A
- Security

Environmental Condition

- Working Temperature：   0~45℃
- Working Relative Temperature：   20%~90%
- Storage Temperature：   -40℃~+55℃
- Storage Relative Temperature：   10%~93%
- Protection Grade :   IP20

Performance Parameters

- Working Temperature :   DC24V
- Static Power Consumption（Relay-Open）:   40mA/DC24V
- Dynamic Power Consumption（Relay-Close）:   90mA/DC24V
- Range for Temperature Collect: -20℃-60℃
- Range for LUX Collect: 0-5000Lux
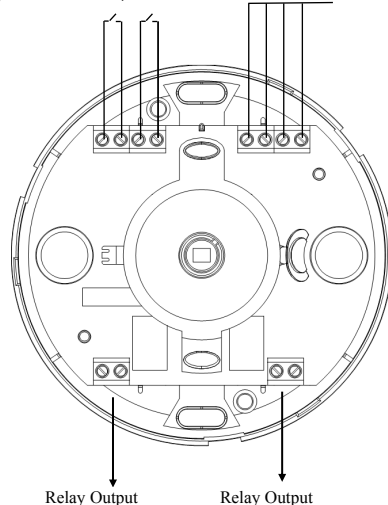- Signal Interface :   HDL-BUS
- Installation :   Ceiling Mount

Installation Dimension Requirements

110

34

Distance between Hole: 85mm

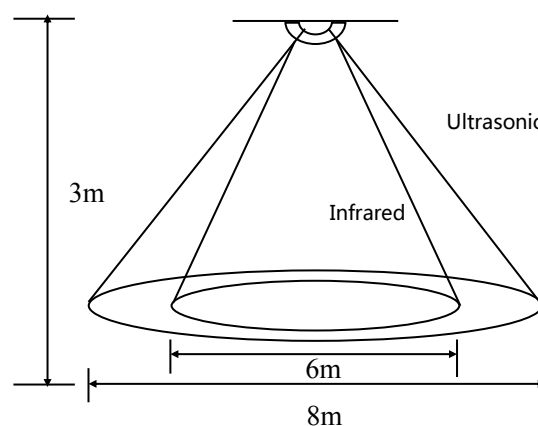Front View

Side View

Interior Design

- Recommended Wire Size for Output Terminal : 2.5mm² Copper Wire
- RS485 BUS Wire : Cat5e or HDL Cable

Wiring for installation

Dry Contact1、2

HDL - BUS Terminal

! HDL - BUS : As shown in the following picture , from left to right is COM、DATA - 、DATA+ , DC+24V by turn.

Relay Output

Relay Output

Ultrasonic

3m

Infrared

6m

8m

HDL-BUS Definition

HDL-BUS Definition-Cat5e

Brown White/Orange White color	COM
Blue White /Green White Color	DATA-
Blue Color/Green Color	DATA+
Brown Color/ Orange Color	DC24V

HDL-BUS Definition-HDL Cable

Red	DC24V
Black	COM
White	DATA-
Yellow	DATA+

Note : HDL-BUS Wire Options: Cat5e or HDL Cable

Pack List

SB-CMS-12IN1	1pc
Installation Manual	1pc

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