Parameters

Electrical Parameters:

Buspro power supply	DC12-30V
Buspro power consumption	30mA/DC24V
Ultrasonic sensor range in diameter	8m (Installation Height: 3m)
Range for LUX sensor	0-500lux

Environmental Conditions:

Working temperature	-5℃~45℃
Working relative humidity	Up to 90%
Storage temperature	-20℃~+60℃
Storage relative humidity	Up to 93%

Approved

CE
RoHS

Product information:

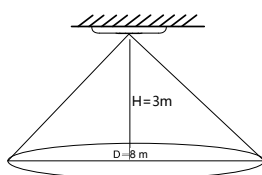|	
Dimensions	63(Diameter)×38(mm)
Weight	90.5(g)
Housing Material	Infrared lens, ABS
Installation	Ceiling mounted
IP Protection	IP20

Important Notes

- Installation location — Indoor, please keep it away from AC outlets and heat source
- Buspro cable — HDL Buspro/KNX cable, 0.8mm Single- Core Copper cable
- Buspro connection — Series connection (hand-in-hand)
- Installation — Screw or spring installation

HDL Buspro Definition for Cable

HDL Buspro	HDL Buspro/KNX
DC24V	Red
COM	Black
DATA-	White
DATA+	Yellow

Ultrasonic Sensing range in diameter
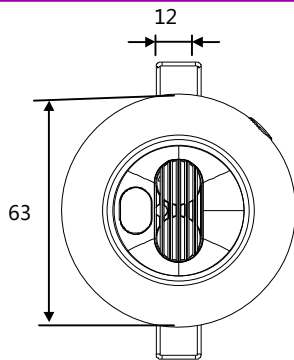

Overview

HDL-MSPU03.4C ceiling mounted ultrasonic Sensor includes, Ultrasonic sensor, LUX sensor, universal switch, logic block. The logic block can combine all of sensor for different application. Support HDL security command.
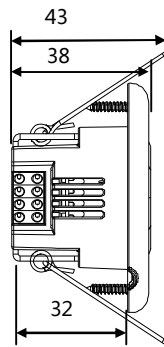
Functions

- Equipped with LUX sensor, ultrasonic sensor and universal switch, which can be used as logic conditions
- With two logic relationship: OR, AND
- Adjustable ultrasonic sensitivity, Sensitivity range:1-10
- 24 logic blocks in total, each logic block has 20 output targets
- Universal Switch 201 - 248 can be used as logic inputs, two Universal Switches for each logic and they has auto-off option too (from 1 - 3600 seconds)
- A Logic can trigger some targets when it is true, and trigger other targets when it is false
- Security function, to be used with the security module
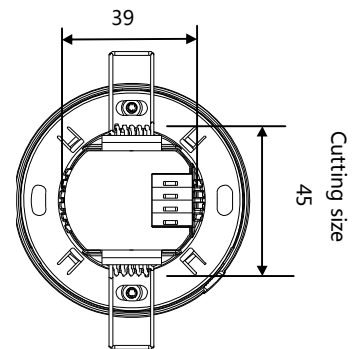- Supports upgrade from HDL Buspro

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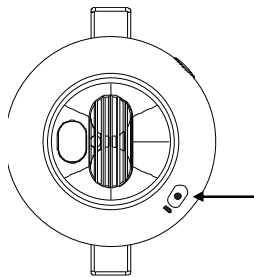
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Dimensions and Wiring
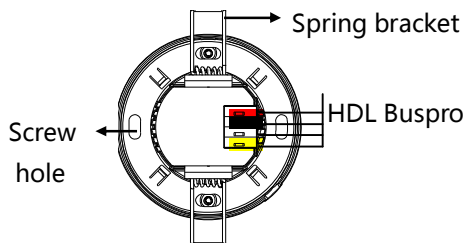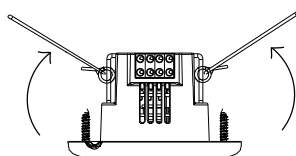

Front View

Side View

Back View

Interior Design

Module indicator: Keep pressing for 3 seconds, user can read and modify the address of the module in the HDL Buspro software.

Indication : Can set to indicate the LED or not. If yes, when detecting some movement, the LED will turn on during this process; if not, whether there is movement or not, it always keeps off.

Spring bracket

HDL Buspro

Screw hole

Back View

Spring bracket installation: it is used to install the sensor into thin ceiling, wooden boards etc, make a round hole with diameter of 45mm, then fasten it with the spring bracket.

Spring bracket installation

Screw installation: it is used to install the sensor into special back box, thick wall or wooden ceiling that cannot use spring bracket. You must remove the spring bracket when install the sensor by screw.

Safety Precautions ⚠ WARNING

- The screw down strength should not exceed 0.1Nm
- Do not make wrong connection on Buspro interface, it will damage the Buspro interface of this module
- Do not get AC power into Buspro wire , it will damage all of devices in the system
- Avoid contact with liquids and corrosive gases.

Packing List

- Datasheet   ×1
- Ceiling Mounted Ultrasonic Sensor（HDL-MSP03.4C)   ×1

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