Parameters

Electrical Parameters:

Working voltage	DC12-30V
Power consumption	31mA/DC24V
Temperature detection range	-40°C~60°C
Illumination detection range	0~15000LUX
Humidity detection range	20~95%RH
Microwave detection range	H:7m D:10m L:6m

Environment Conditions:

Working temperature	-40°C~+45°C
Working relative humidity	<90%
Storage temperature	-20°C~+60°C
Storage relative humidity	<93%

Approved:

CE
RoHS

Product Information:

Dimension	126mm×78mm×42mm
Weight	360g
Housing material	ASA, stainless steel
Installation	Screw fixation
Protection level	IP56

HDL Buspro definition for cable

CAT5/CAT5E	HDL Buspro	HDL Buspro/KNX
Brown/Orange	DC24V	Red
Brown white/Orange white	COM	Black
Blue white/Green white	DATA-	White
Blue/Green	DATA+	Yellow

Microwave Detection

10m
7m
120°
Vertical direction

6m
7m
80°
horizontal direction
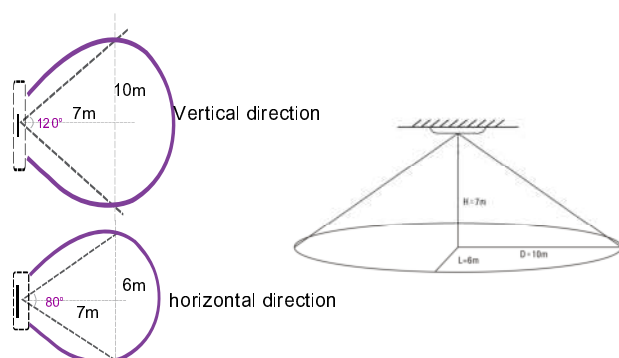
Overview

HDL-MSOUT.4W Outdoor Doppler sensor includes LUX sensor, microwave sensor, humidity sensor, temperature sensor , dry contact, universal switch . It can satisfy different requirement according to different logics. It supports HDL-Security mode.
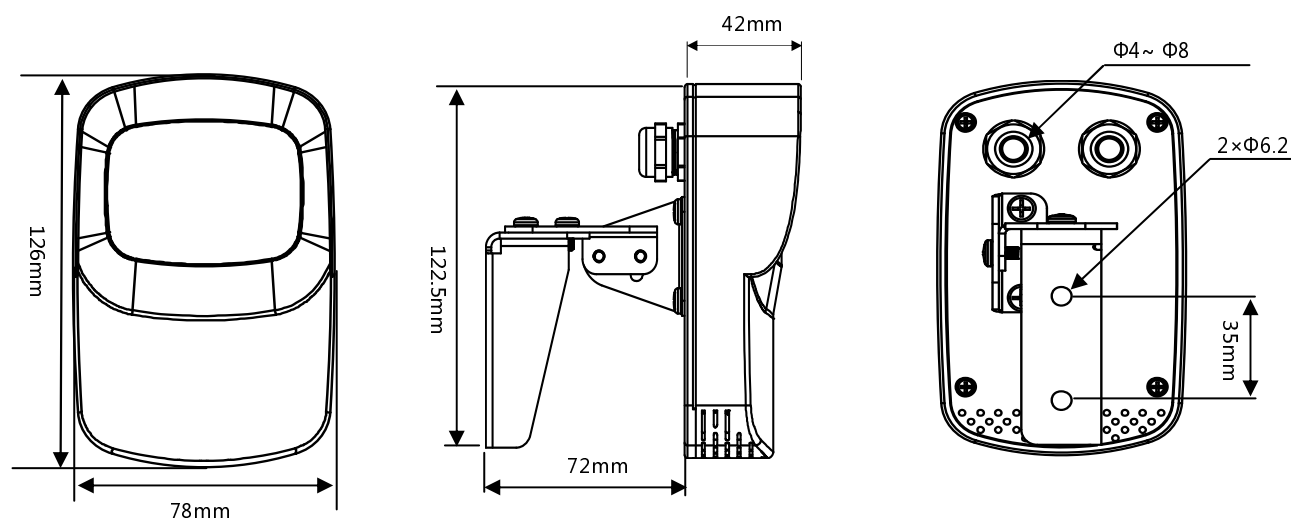
Functions

- Built-in LUX sensor, microwave sensor, humidity sensor, temperature sensor, dry contact, universal switch.
- Two logical relations: OR, AND.
- It has 24 logic blocks. Both true logic and false logic can trigger the targets respectively. Each logic can set 20 targets.
- Adjustable microwave sensitivity, range is 1-100.
- Each logic supports trigger delay time from 0 to 3600s.
- The range of universal switch number in logic is 201-248, each logic has 2 universal switch numbers, universal switch can close automatically, the time range is 1-3600s.
- Tamper-proof function.
- Supports security function.
- Sensor has heating function. It can make sure that the circuits can work normally while the temperature is below -5°C.
- Supports online upgrading.

Important Notes

- Buspro - CAT5E or HDL Buspro/KNX cable.
- Buspro connection - Series connection (hand-in-hand).
- Installation position- Outdoor.
- Check the connection, avoid any mistake.
- Keep it away from AC outlet and heat source.
- Avoid spurious triggering, when install the sensor, should fix the HDL Buspro cables.
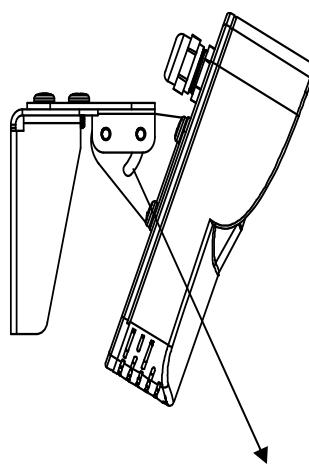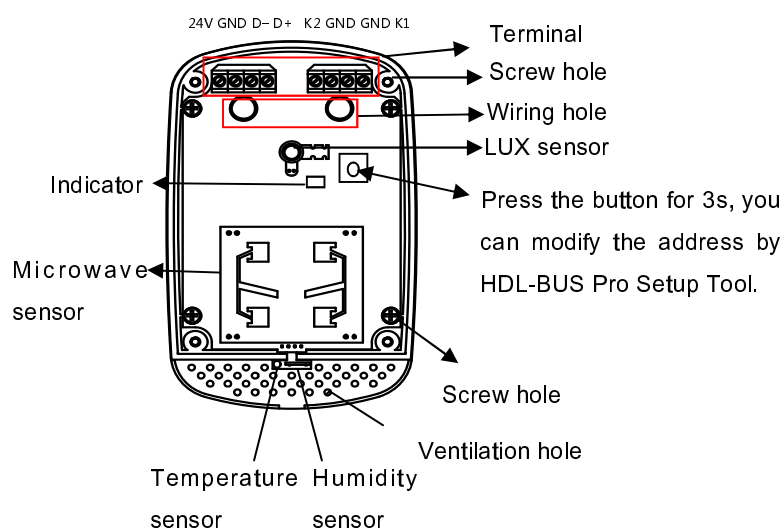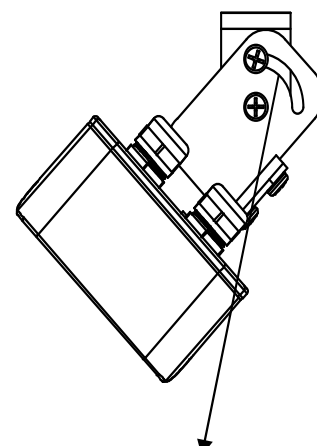
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Dimensions and wiring

42mm

Φ4~ Φ8

2×Φ6.2

126mm

122.5mm

35mm

78mm

72mm

Front view

Side view

Back view

24V GND D− D+ K2 GND GND K1

Terminal

Screw hole

Wiring hole

LUX sensor

Indicator

Press the button for 3s, you can modify the address by HDL-BUS Pro Setup Tool.

Microwave sensor

Screw hole

Ventilation hole

Temperature sensor   Humidity sensor

Adjustable range is ±25°

Adjustable range is ±45°

Safety Precautions ⚠ WARNING

- The screw down torque 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 devices in the system.
- Avoid contact with liquids or corrosive gases.

Packing List

- HDL-MSOUT.4W   *1
- Datasheet   *1

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