Motion sensor

Dual technology PIR/Ultrasonic motion detector ceiling recessed



Model number:	**DIU-9-LC**
Connects to:	digital input
Mounting:	Wall or ceiling

Applications

- Occupancy detector
- Ready light
- Lighting control
- Hotel GRMS

Ultrasonic sensors are highly suitable for spaces in which a line of sight is not possible, such as partitioned spaces, and in spaces requiring a higher level of sensitivity. Examples of such spaces include restrooms, open offices, enclosed hallways and stairways.

Installation instruction

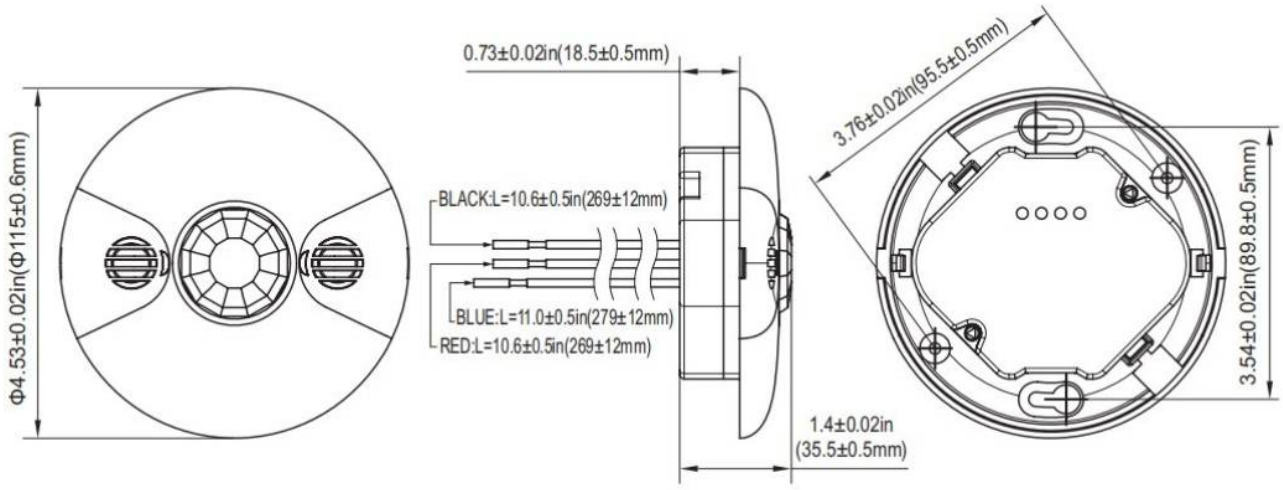
- Ensure that there are no obstructions (plants, screens, furniture etc.) in the field of view that may cause incorrect cover/operation of the detector.

- Install the detector at proper height on a rigid surface. Do not install the detector on vibrating surface.

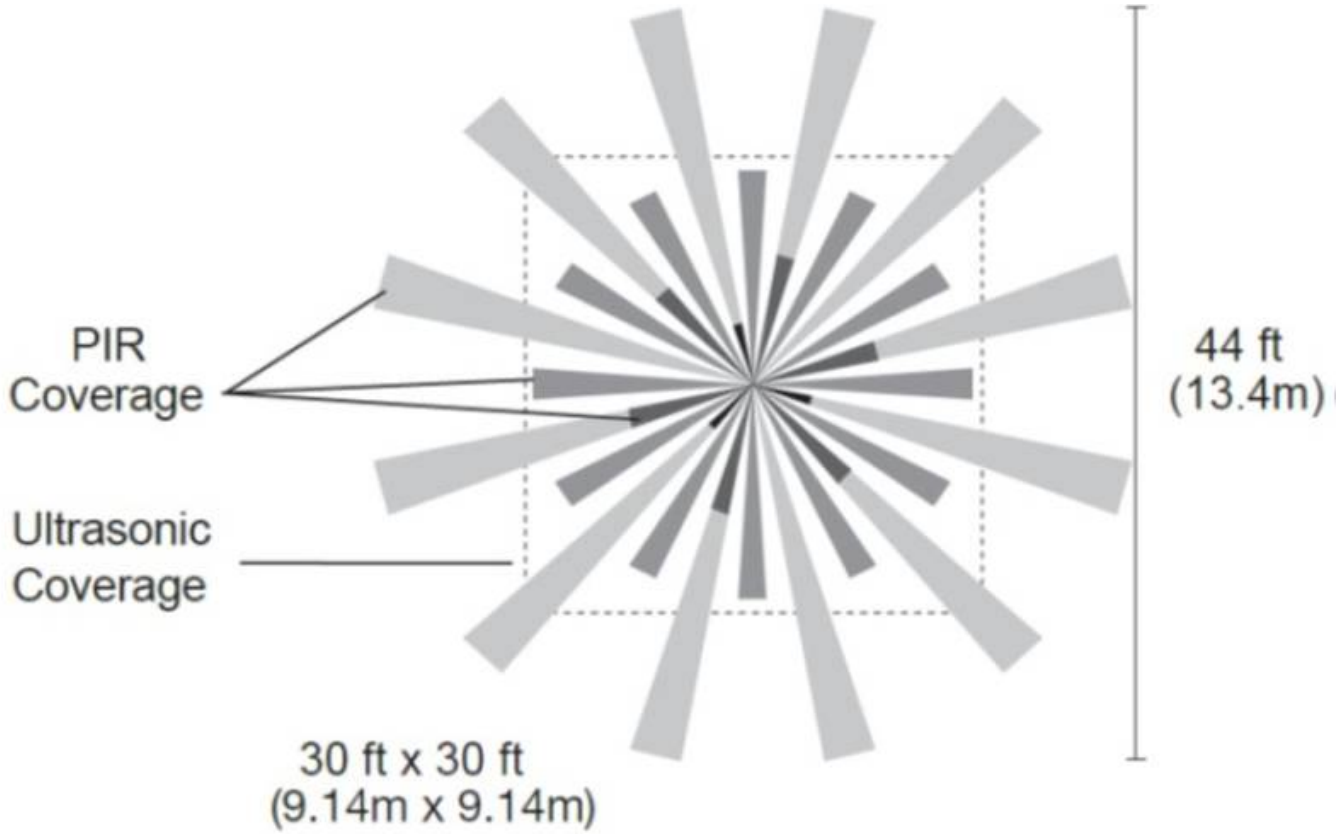
Technical specifications

Power supply	24 VDC
Currentconsumption	20mA
Temperature	-0°C ~ 55°C
Humidity	< 93% non condensing
Output contact rating	100,000 cycles @ 24 VDC, < 9mA
Range	9m US, 12m PIR(Adjustable)
Installing height	Max. 3.5 m
Detection	360 deg

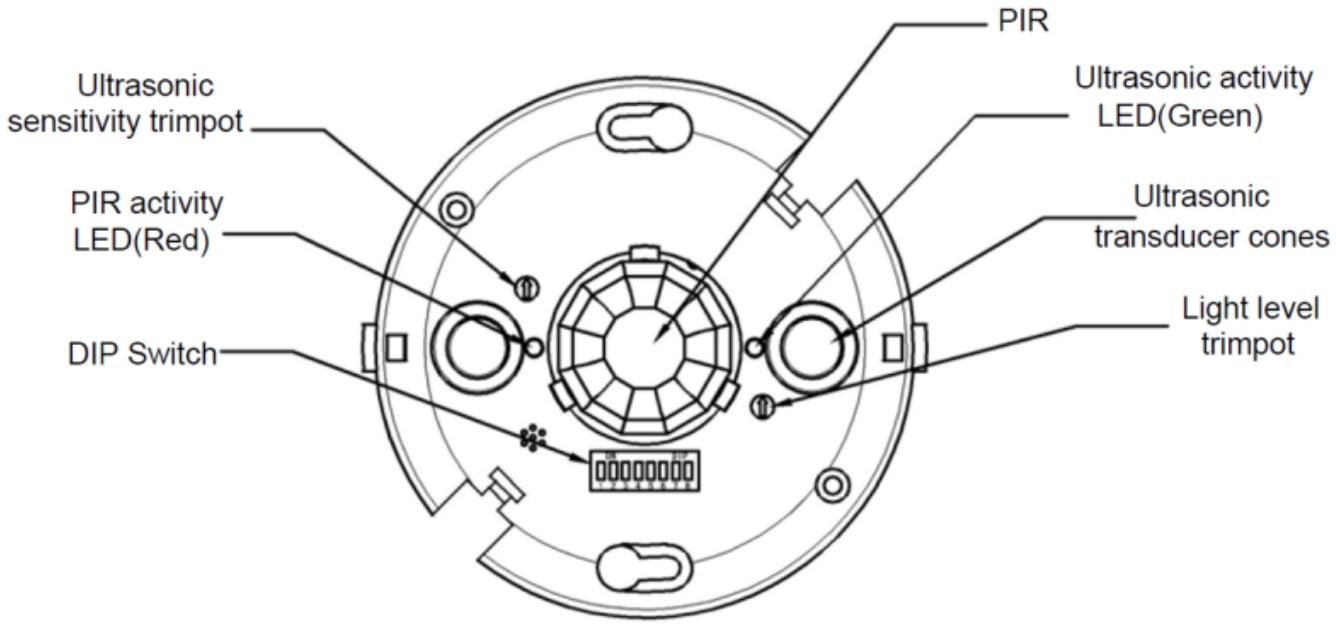
Dimension



Range and detection pattern



Adjustments



DIP switch settings

Trigger Mode	Initial Trigger	Maintain Load Output	2	3	4
Option 1	Both	Either	↓	↓	↓ ◀
Option 2	Either	Either	↓	↓	↑
Option 3	PIR	Either	↓	↑	↓
Option 4	PIR	PIR	↓	↑	↑
Option 5	Ultrasonic	Ultrasonic	↑	↓	↓
Option 6	Both	Both	↑	↓	↑

PIR Sensitivity	1
50%	↓
100%	↑ ◀

Override	8
Disabled	↓ ◀
Enabled	↑

Time Delay	5	6	7
5 Sec/Autoset	↓	↓	↓ ◀
30 Seconds	↓	↓	↑
5 Minutes	↓	↑	↓
10 Minutes	↓	↑	↑
15 Minutes	↑	↓	↓
20 Minutes	↑	↓	↑
25 Minutes	↑	↑	↓
30 Minutes	↑	↑	↑

↓=OFF ↑=ON ◀=Factory Setting

Mounting

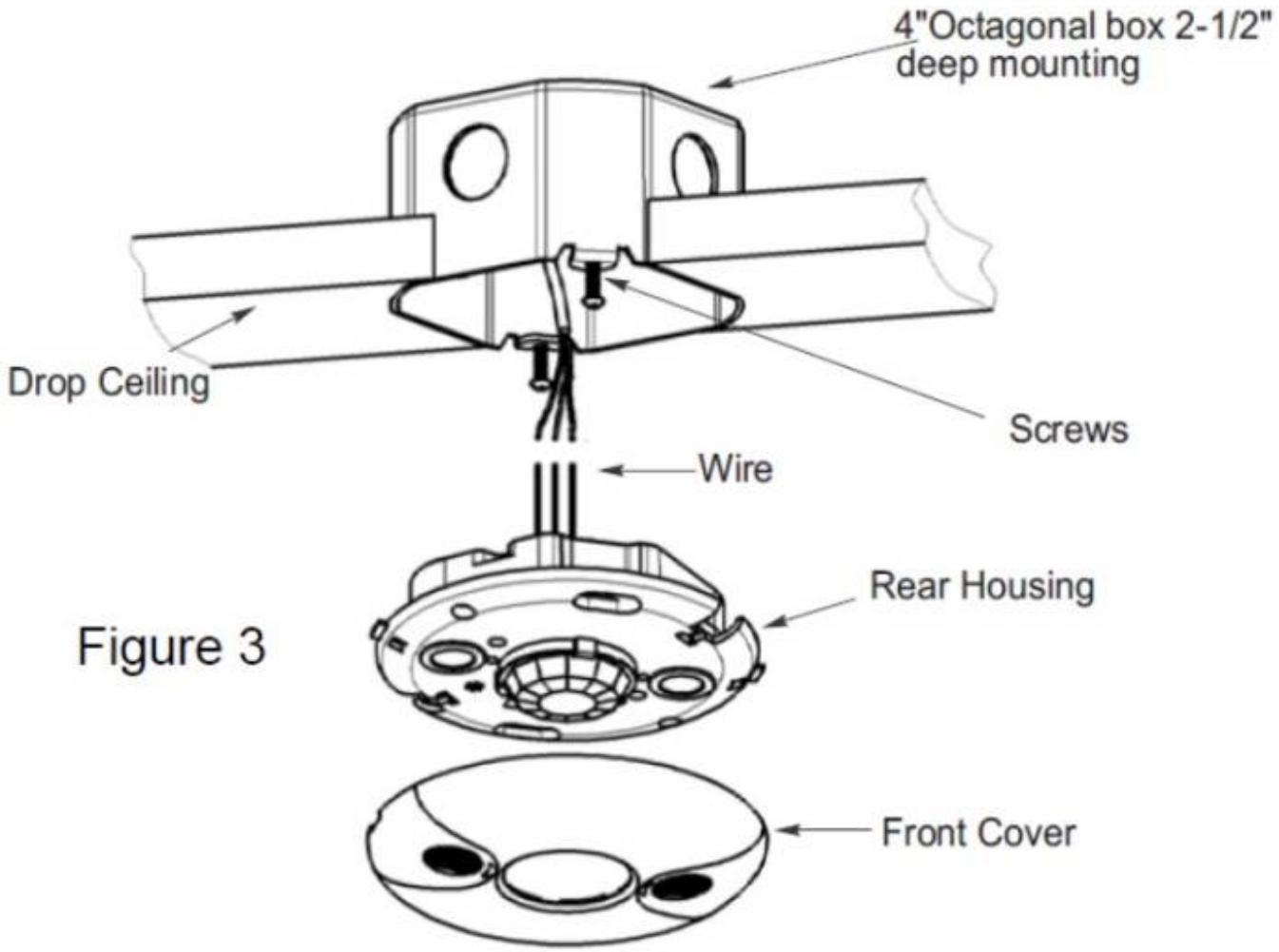


Figure 3

Terminals

Power supply	**+ Red**	Power supply
Common	**- Black**	
Signal	**+ Blue**	Output

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