

# Motion sensor

## Dual technology PIR/Ultrasonic motion detector ceiling recessed



|               |                 |
|---------------|-----------------|
| Model number: | <b>DIU-9-LC</b> |
| Connects to:  | digital input   |
| Mounting:     | Wall or ceiling |

## Applications

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

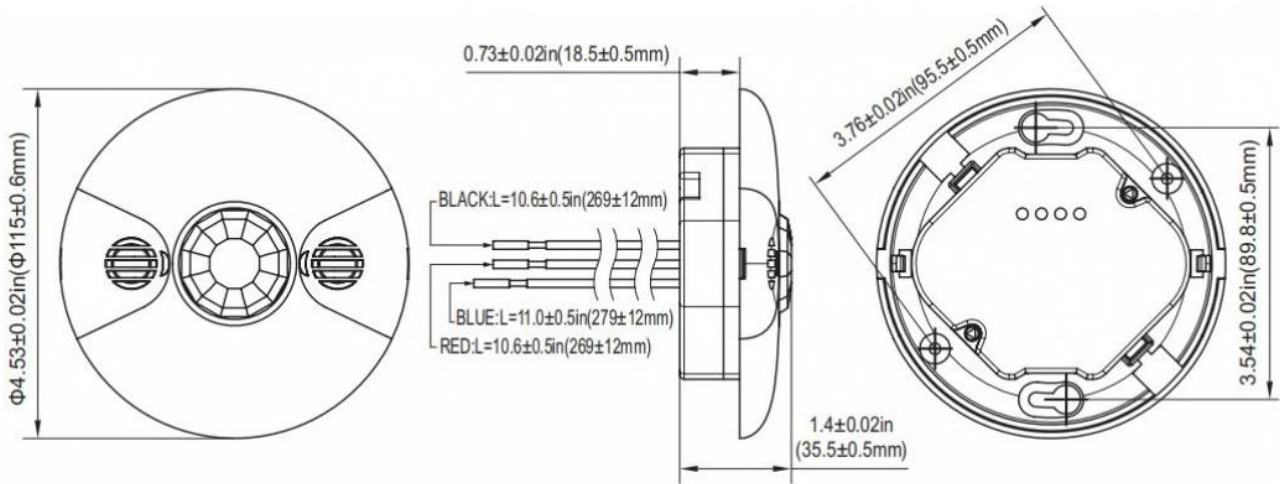
## Installation instruction

- 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.

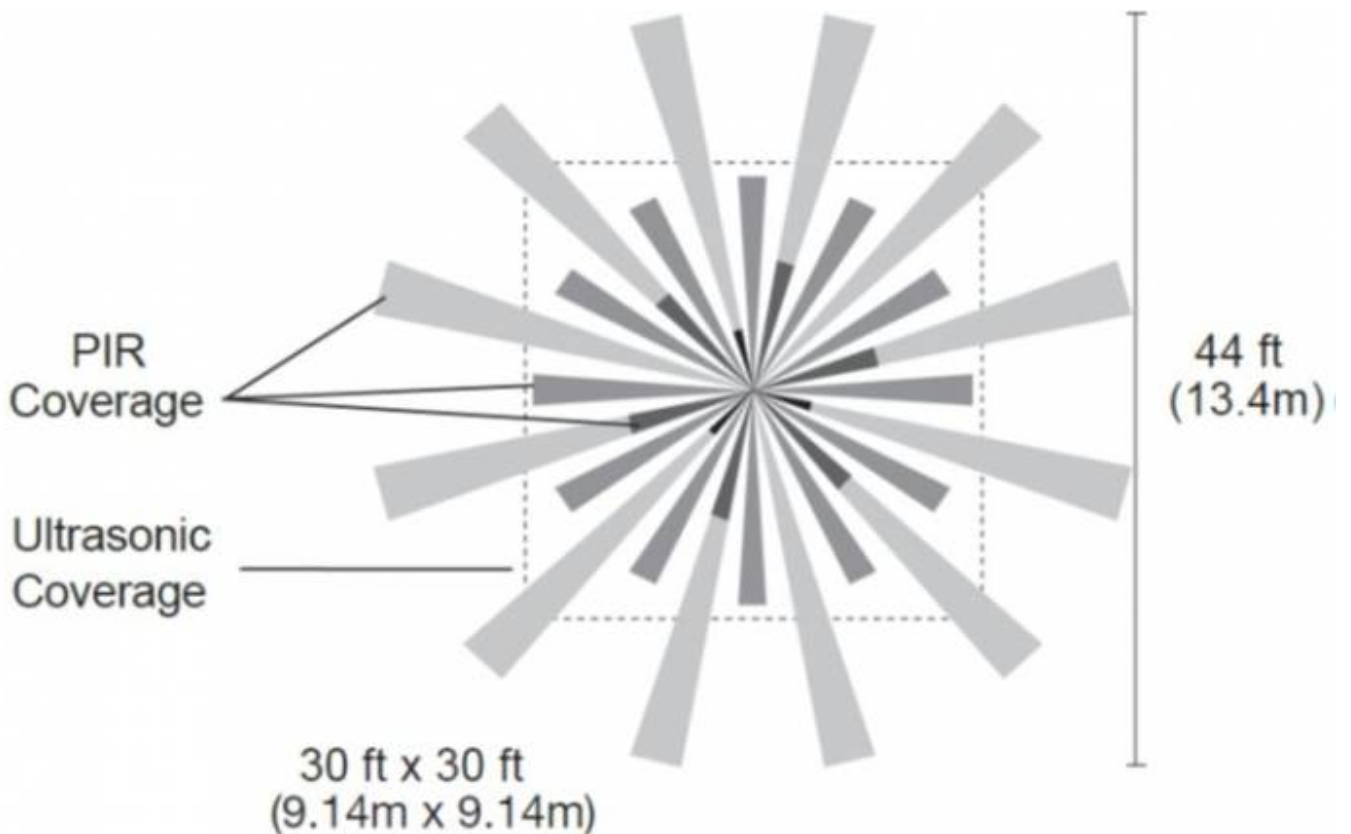
## Technical specifications

|                       |                                |
|-----------------------|--------------------------------|
| 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                        |

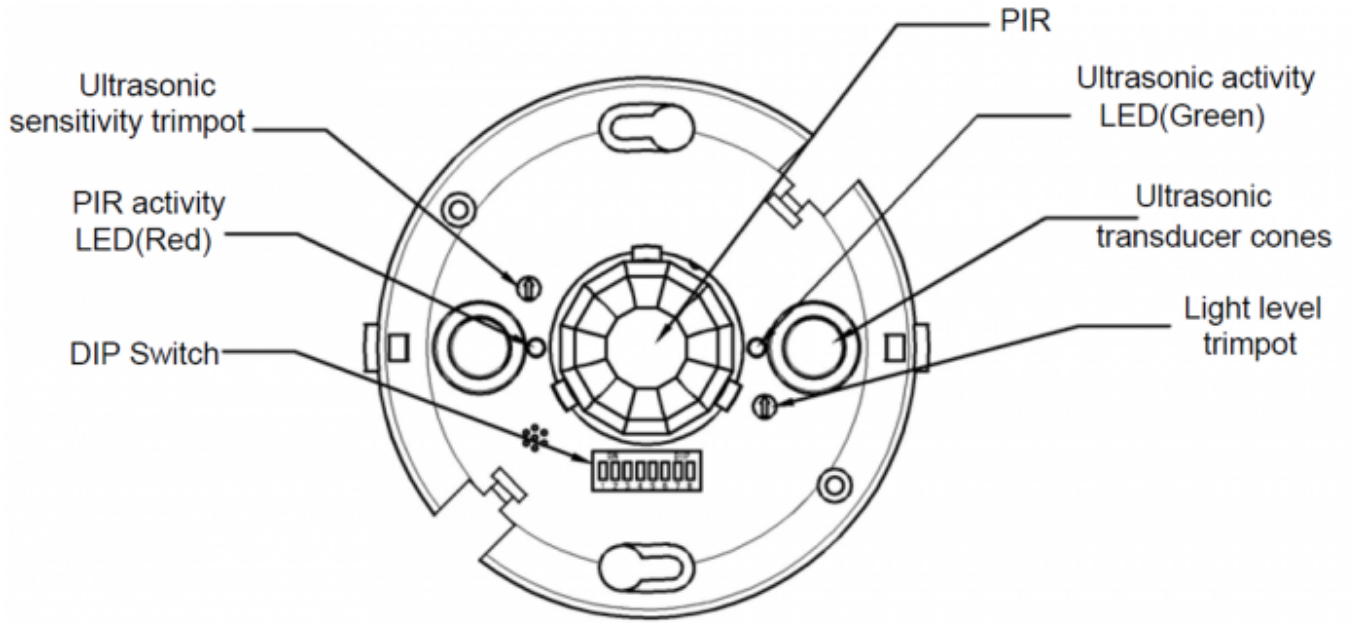
# Dimension



# 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                 | ↑ | ↓ | ↑ |

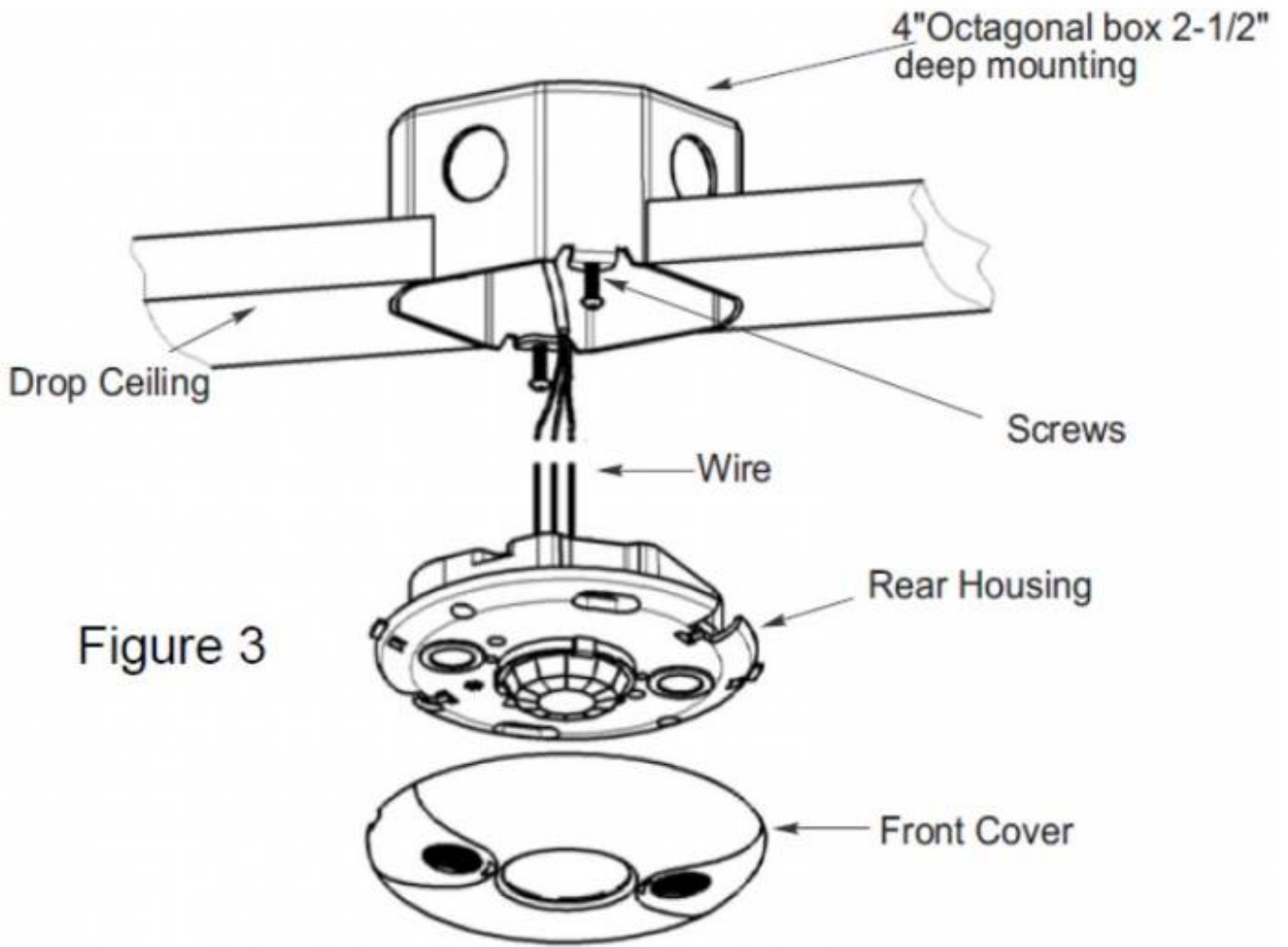
| PIR Sensitivity | 1 |
|-----------------|---|
| 50%             | ↓ |
| 100%            | ↑ |

| 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



# Terminals

|              |                |              |
|--------------|----------------|--------------|
| Power supply | <b>+ Red</b>   | Power supply |
| Common       | <b>- Black</b> |              |
| Signal       | <b>+ Blue</b>  | Output       |

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