



# CP electronics EBDRC-PRM Ceiling Mounted PIR Presence Detectors Instruction Manual

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**CP electronics EBDRC-PRM Ceiling Mounted PIR Presence Detectors**

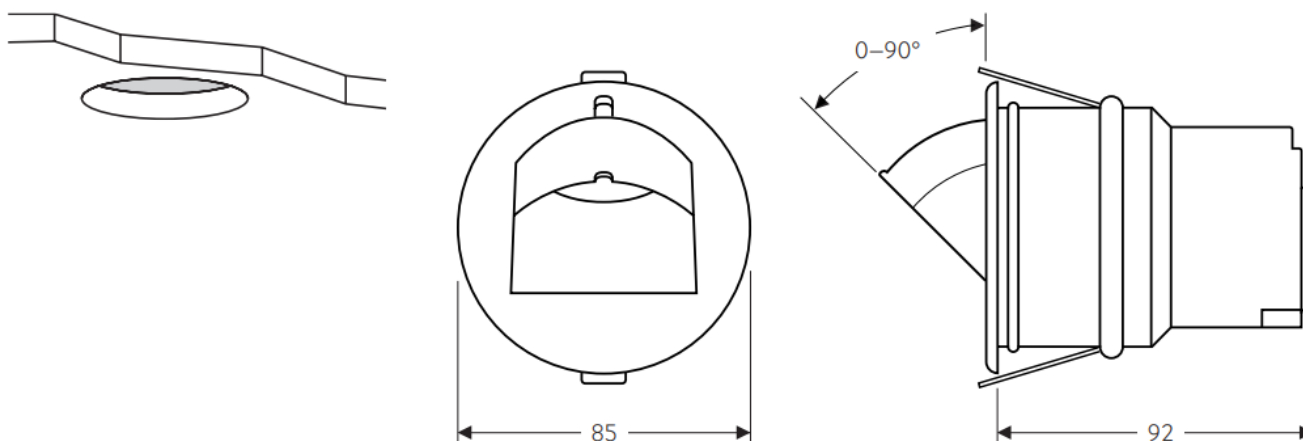


## EBDRC-PRM

PRM switching, adjustable head, ceiling PIR presence

**Warning:** This device should be installed by a qualified electrician in accordance with the latest edition of the IEE wiring regulations.

## Dimensions (mm)



74mm cut out

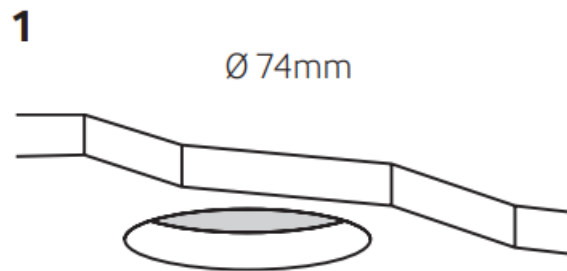
## Detection pattern



- Do not fix the sensor to an unstable or vibrating surface.
- Occupancy is best detected when the ambient temperature is different to that of the human body, thus, use within -20 to 35°C ambient temperature.

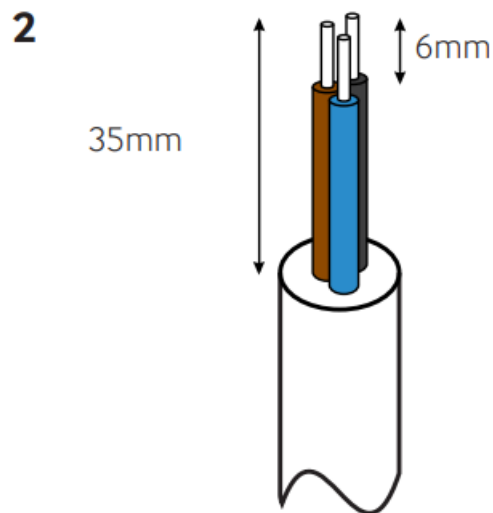
### 1. Create cut out

Cut a 74mm diameter hole in the ceiling.



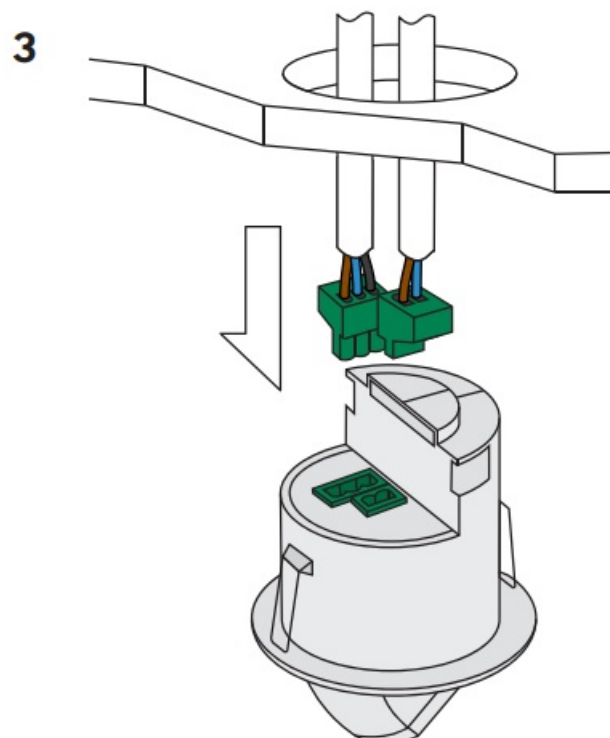
### 2. Wire stripping

Strip the wires as shown opposite. Presence detector does not require earth conductor.



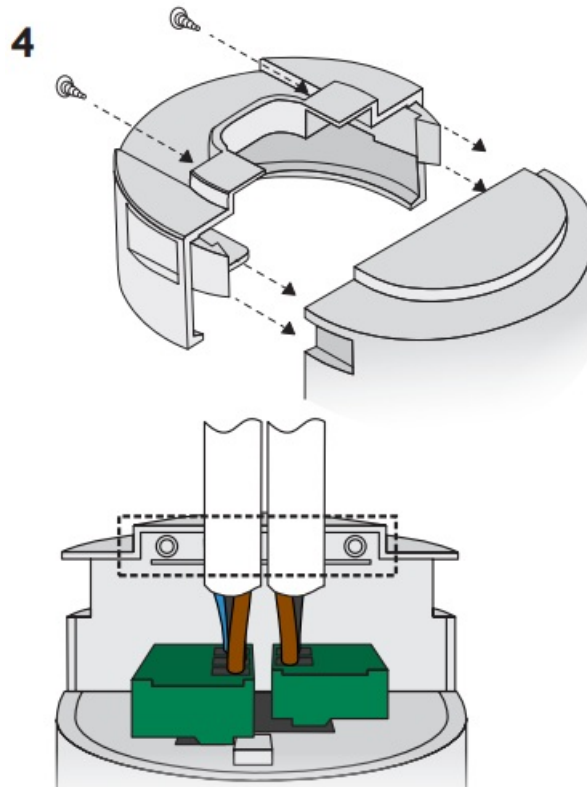
### 3. Wire in plugs & connect to detector

Wire in plug/s, using wiring diagram on page 3 as a guide. Connect the plug/s to the detector.



### 4. Clamp cable

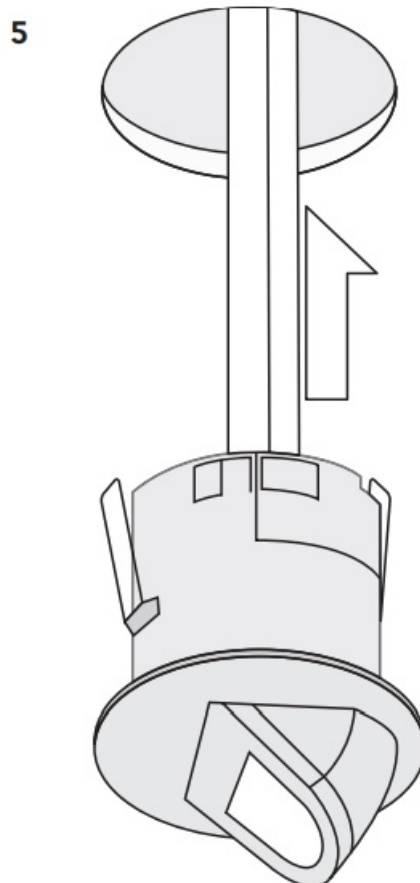
Continue tightening the screws until the clamp bar snaps out and is tightly engaged against the cable/s. The cable clamp must clamp the outer sheath only.



#### 5. Install detector

Bend the springs up and push detector through hole in ceiling. When fully inserted the springs snap back to hold the device in place.

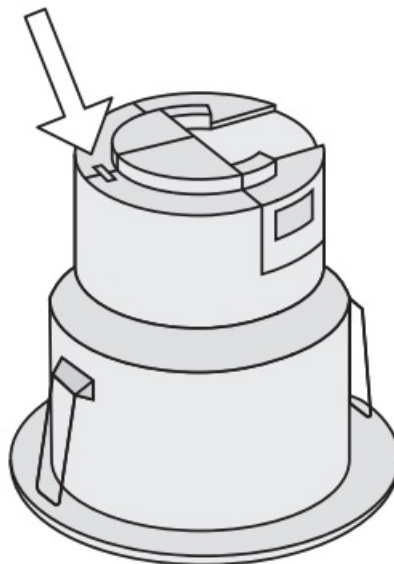
**Caution:** To avoid injury, take care when bending springs.



#### Head position & locking

1. Remove metal locking clip from rear of unit.

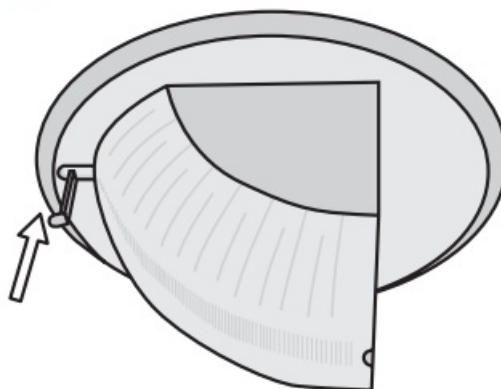
1



2. Set sensor head position to 90° for maximum detection range. Push clip into position shown in the adjacent diagram to lock head. To remove clip, lever out with a small screwdriver.

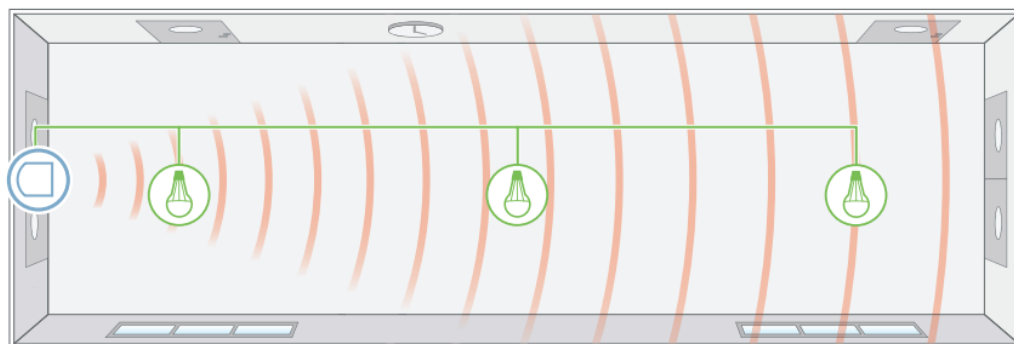
**Caution:** Sensor head position < 90deg may result in varying detection range & sensitivity.

2

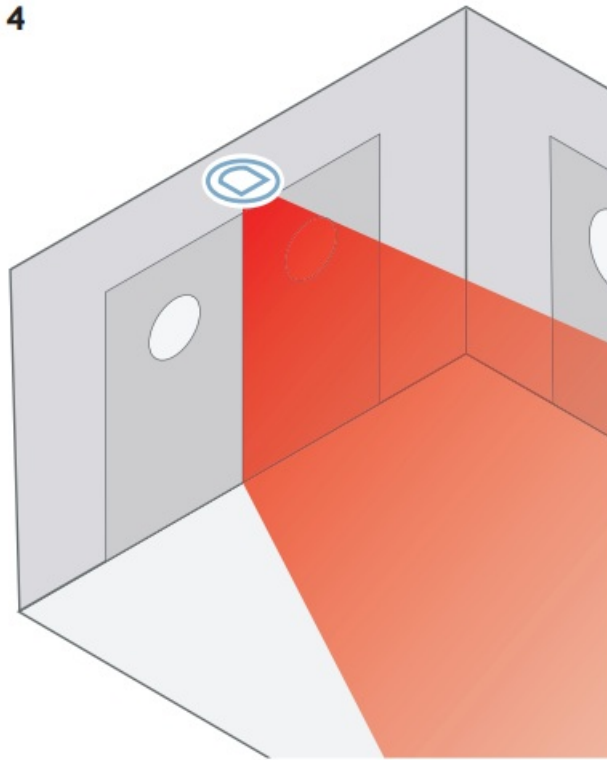


3. Mount the detector centrally above the doorways for optimum detection as shown in the above image.

3



4. Mount the detector as close to the doorway as possible for precise movement detection and high sensitivity.



## Default Settings

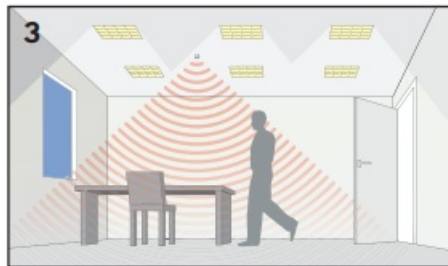
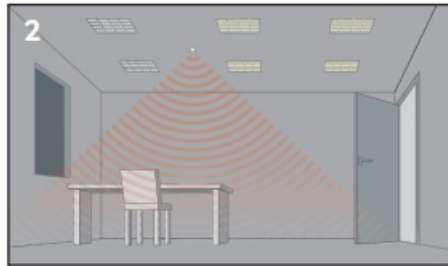
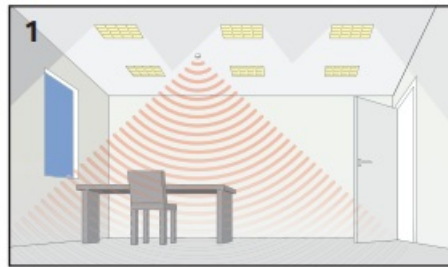
- Time out: 20 minutes.
- LUX on level: 999
- LUX off level: 999
- Sensitivity on: 9
- Sensitivity off: 9
- Detection: Presence

Adjustments can be made using the optional UHS5 or UNLCDHS handsets.

## Testing

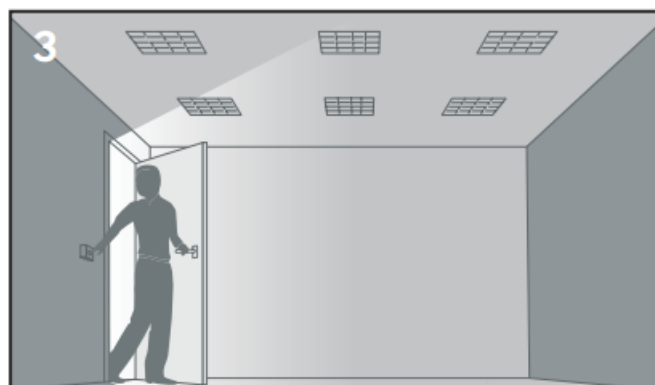
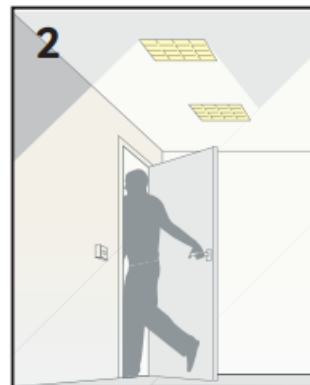
### Presence Detection

1. Power up the sensor. The load should come on immediately.
2. Vacate the room or remain very still and wait for the load to switch off (this should take less than 20 minutes).
3. Enter the room or make some movement and check that the load switches on.



## Absence Detection

1. Power up the sensor. Switch the load on.
2. Vacate the room and wait for the load to switch off (this should under than 20 minutes).
3. Enter the room, the load will remain off until you switch it on again.









## Technical Data



## EN Technical Data

<b>Part code</b>	<b>EBDRC-PRM</b>
<b>Weight</b>	0.15kg
<b>Supply voltage</b>	230 VAC +/- 10%
<b>Circuit Protection</b>	≤10A, MCB Type B
<b>Supply frequency</b>	50Hz
<b>Power consumption parasitic</b>	807mW
<b>Terminal capacity</b>	2.5mm²
<b>Max Switched load (L-Out)</b>	
Resistive	Incandescent [10A]
Capacitive	Fluorescent [10A] Electronic gear [10A] LED Lighting [10A]
Inductive	Fan [10A]
Load inrush rating	200A for 300µsec
<b>Light detection range</b>	Usable 15-950 Lux
<b>Time out range</b>	10s-99m
<b>Working temperature range</b>	-10 to 35°C
<b>Humidity</b>	5 to 95% non-condensing
<b>Material (casing)</b>	Flame retardant ABS and PC/ABS
<b>Insulation class</b>	2
<b>IP rating</b>	40
<b>Compliance</b>	UK CA CE EMC-2014/30/EU, LVD-2014/35/EU


## Parts List

Part Number	Description
 MWS3A-DBB	Surface mounting box
 MWS3A-DBB-EXT	Surface mount back box extender
 MWS3A-DBB-WBRKT	Wall mount bracket
 UHS5	Compact, programming.
 UHS7	Compact, user handset
 UNLCDHS	Universal LCD IR handset/commissioning handset

Email: [enquiry@cpelectronics.co.uk](mailto:enquiry@cpelectronics.co.uk)  
Website: [www.cpelectronics.co.uk](http://www.cpelectronics.co.uk)

Due to our policy of continual product improvement CP Electronics reserves the right to alter the specification of this product without prior notice.

## Documents / Resources

	<p><a href="#">CP electronics EBDRC-PRM Ceiling Mounted PIR Presence Detectors</a> [pdf] Instruction Manual</p> <p>EBDRC-PRM Ceiling Mounted PIR Presence Detectors, EBDRC-PRM, Ceiling Mounted PIR Presence Detectors, Mounted PIR Presence Detectors, PIR Presence Detectors, Presence Detectors, Detectors</p>
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## References

-  [CP Electronics | Brands | Legrand United Kingdom](#)

[Manuals+](#).