



## encelium DP-EBDMR-DALI2 Sensor Coupler E Installation Guide

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Sensors | Installation Instructions  
DP-EBDMR-DALI2  
DALI-2 Mid-range Presence Detector



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## OVERVIEW

The DP-EBDMR-DALI2 sensor is fully DALI 2 certified and compatible for use as part of an Encelium X DALI Lighting Control System. The EBDMR sensor has uses a domed faceted lens for an increased detection range and can be programmed as both a presence (PIR) and light sensor. For more information on product specifications and design tools visit [ancelium.com](https://www.ancelium.com).

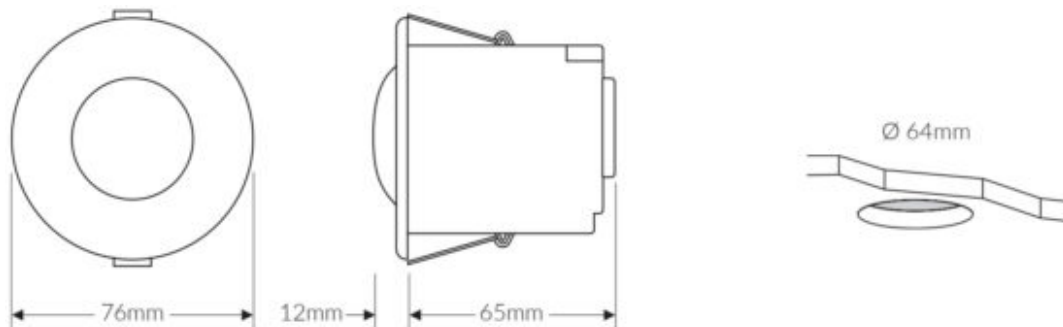
## PRODUCT SAFETY

### READ THESE INSTRUCTIONS BEFORE USING THE PRODUCT

This device should be installed by a qualified electrician in accordance with the latest edition of the IET wiring regulations.

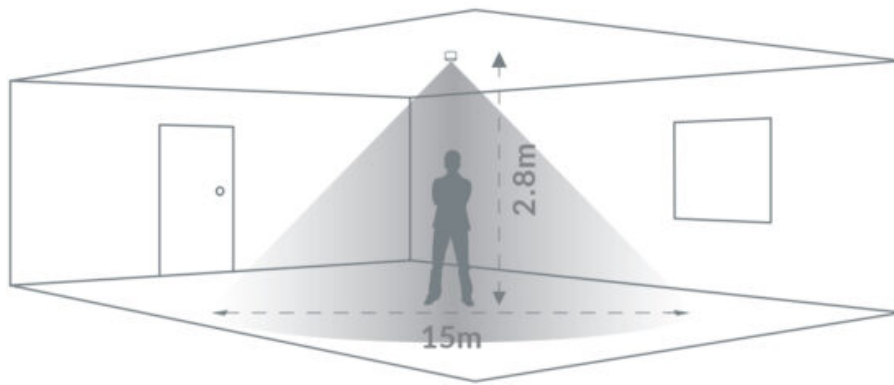
**SAVE THESE INSTRUCTIONS.**

## DIMENSIONS



## DETECTION PATTERN

high < sensitivity > low



## INSTALLATION

This device is designed to be flush ceiling-mounted.

- Do not site the unit where direct sunlight might enter the sensor.
- Do not site the sensor within 1m of any lighting, forced air heating or ventilation.
- Do not fix the sensor to an unstable or vibrating surface.

### Create cut out

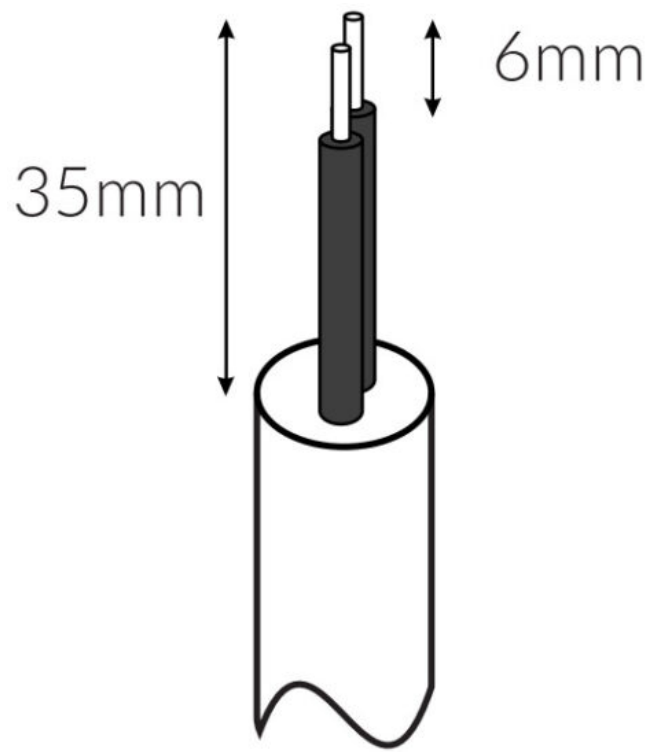
1. Cut a 64mm diameter hole in the ceiling.

Ø 64mm

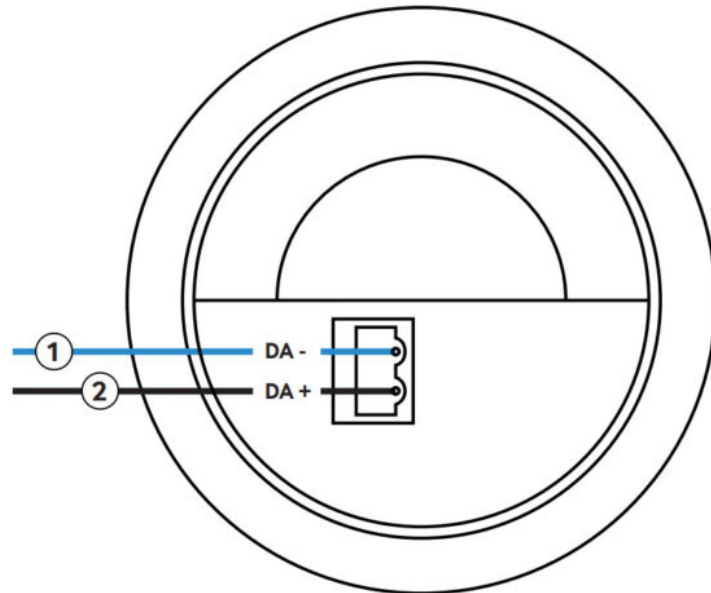


### Wire stripping

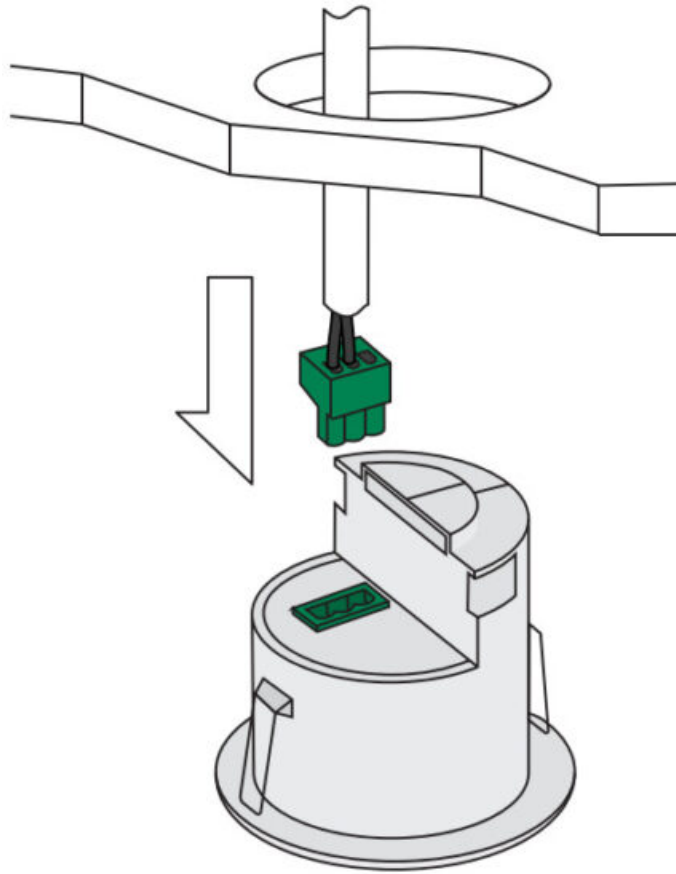
2. Strip the wires as shown opposite. Presence detector does not require ground conductor.



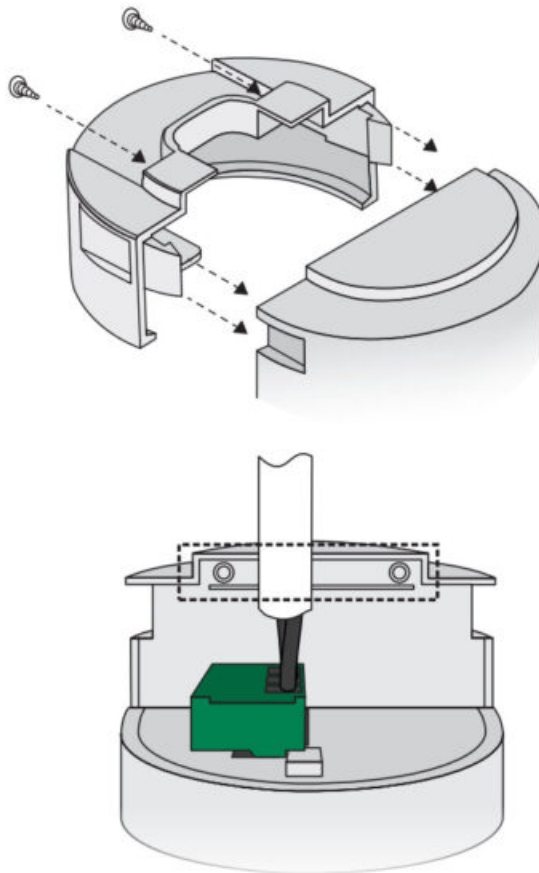
**Wire in plugs**



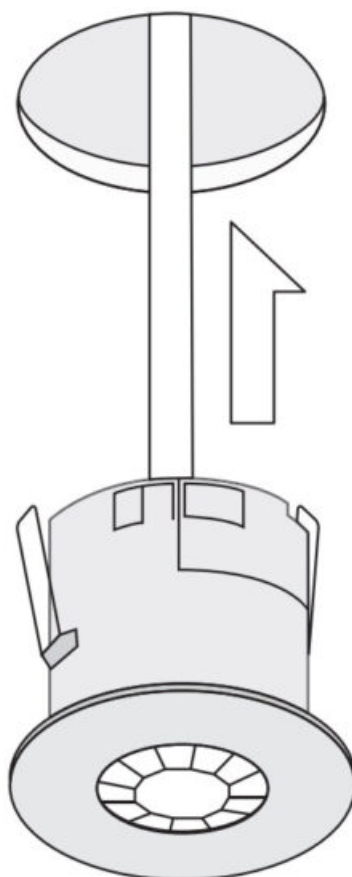
**Connect to detector**



3. Connect the plug/s to the detector.  
**Clamp cable**



3. Continue tightening the screws until the clamp bar snaps out and is tightly engaged against the cable. The cable clamp must clamp the outer sheath only.  
**Install detector**




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



To avoid injury, take care when bending springs.


## TECHNICAL DATA

Weight .....	150g
Supply voltage DC .....	9.5–22.5 VDC DALI bus
Nominal Current Consumption.....	8mA
Max (Peak) Current Consumption.....	18mA
Terminal capacity.....	2.5mm <sup>2</sup>
Rated impulse voltage.....	2500V
Purpose .....	Sensing control
Construction.....	Independent flush mounted, electronic control
Type of action .....	Type 1.B action (micro disconnection)
Operating temperature .....	-10°C to +35°C
Humidity.....	5 to 95% non-condensing
Pollution .....	Degree 2
Software .....	Class A
Material (casing).....	Flame retardant ABS and PC/ABS
DALI-2 Certification .....	IEC62386 Parts 101,103, 303 & 304
Compliance .....	

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	<p><b><a href="#">encelium DP-EBDMR-DALI2 Sensor Coupler E</a> [pdf] Installation Guide</b> DP-EBDMR-DALI2, DP-EBDMR-DALI2 Sensor Coupler E, DP-EBDMR-DALI2, Sensor Coupler E, Coupler E</p>
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References

- [E Encelium - Exceptional Lighting Management](#)
- [User Manual](#)

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