



# CP electronics EBDSPiR-KNX Presence Detectors Installation Guide

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**WD686 Issue 8 Installation Guide  
EBDSPiR-KNX**



**EBDSPIR-KNX**  
**KNX, ceiling PIR presence/absence detector**

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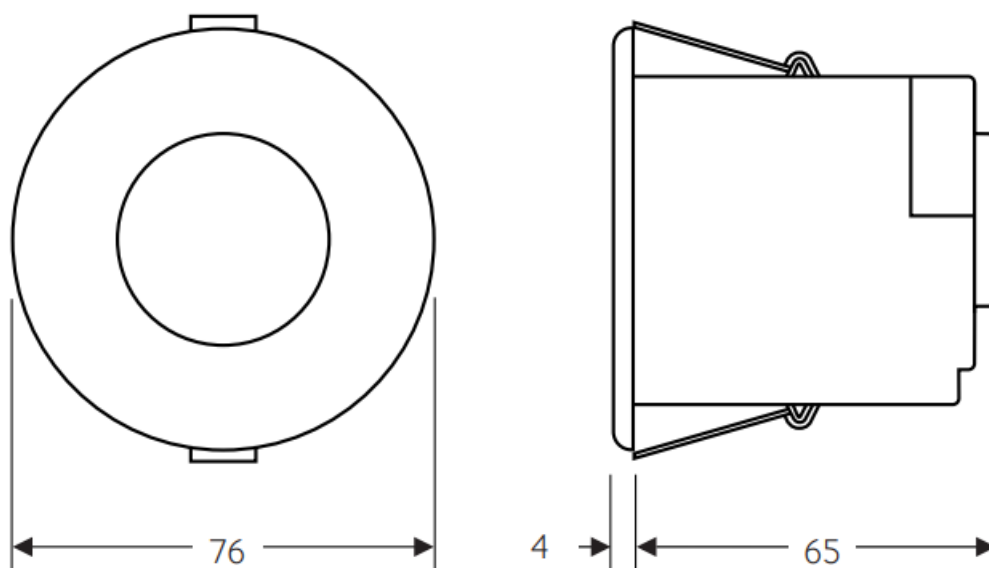
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**Attention**

To be installed by competent technician with good understanding of network devices.

**Dimensions (mm)**

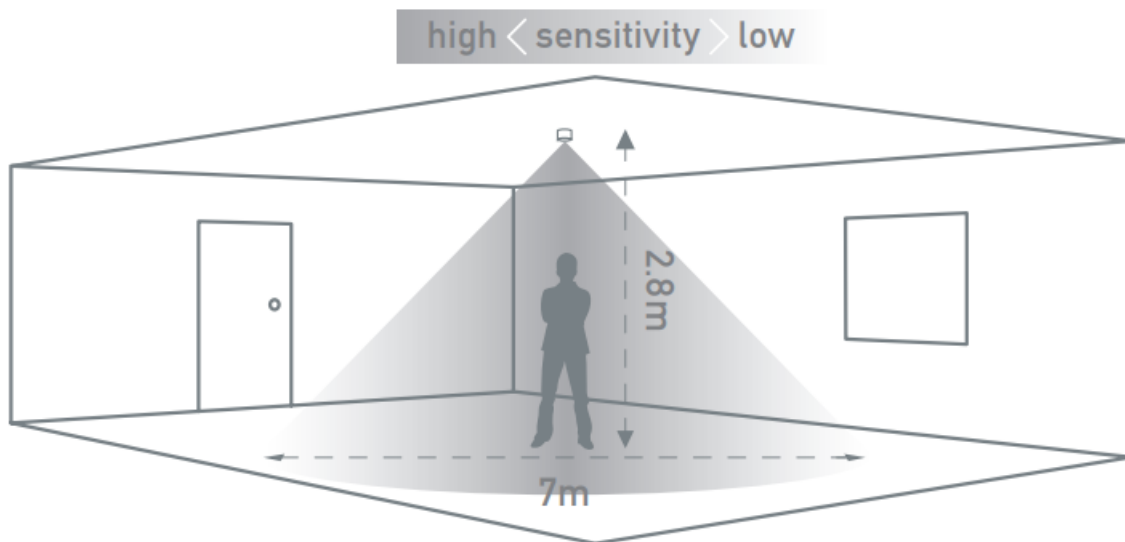


**Downloads and Videos**

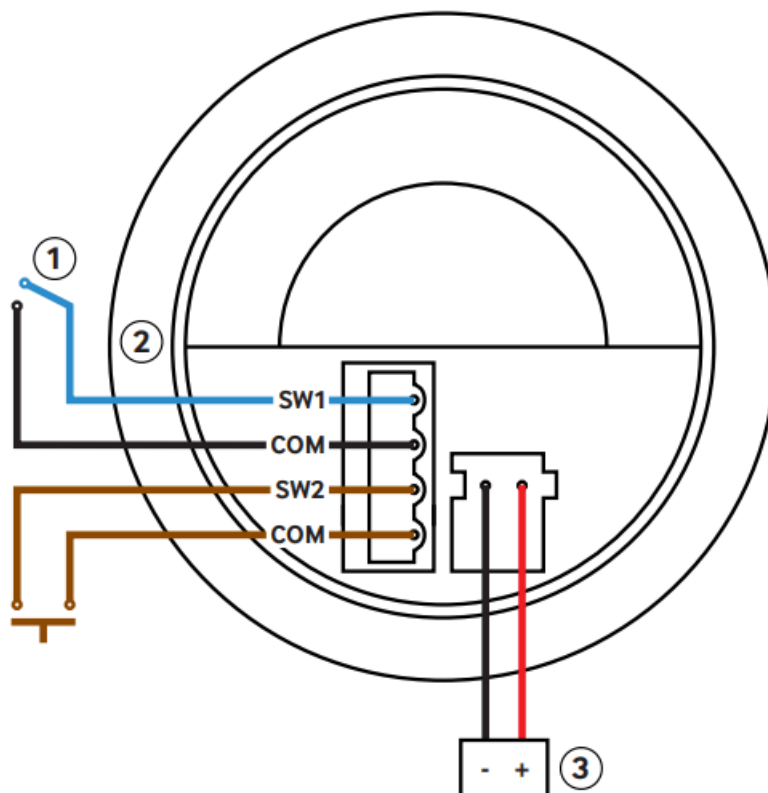


<http://cpelectronics.co.uk/cp/686qr>

**Detection pattern**



## Wiring



## Key

1. Switches, as configured in the ETS software.
2. Low voltage only.
3. KNX bus

## Presence or absence detection

The unit requires configuration by an appropriate software.

Absence detection activation and switches configurations are set using the ETS KNX software supplied by others. It is designed to work with other KNX devices such as other detectors and switches from other manufacturers.

## Presence & absence explain



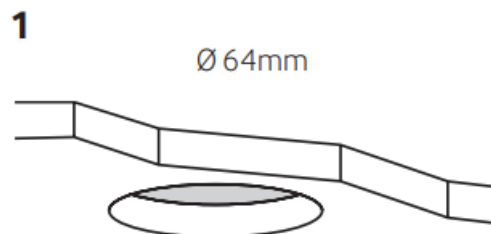
<http://cpelectronics.co.uk/cp/pagr>

## Installation

This device is designed to be flush ceiling-mounted.

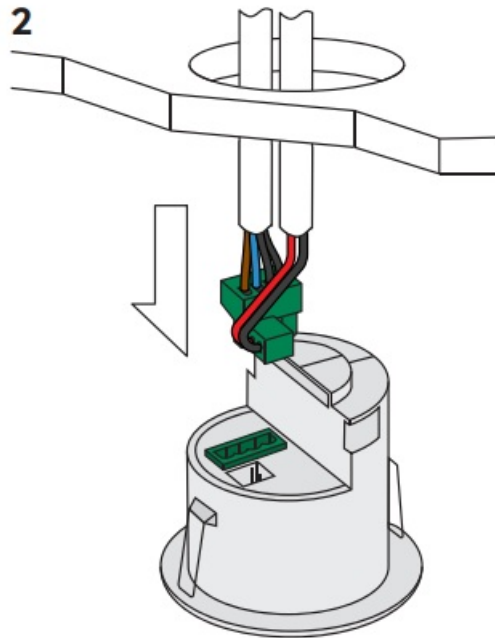
- Do not site the unit where direct sunlight might enter the sensor.
- Do not site the sensor within 1m of any lighting, forced air heating or ventilation.
- Do not fix the sensor to an unstable or vibrating surface.

## Create cut out



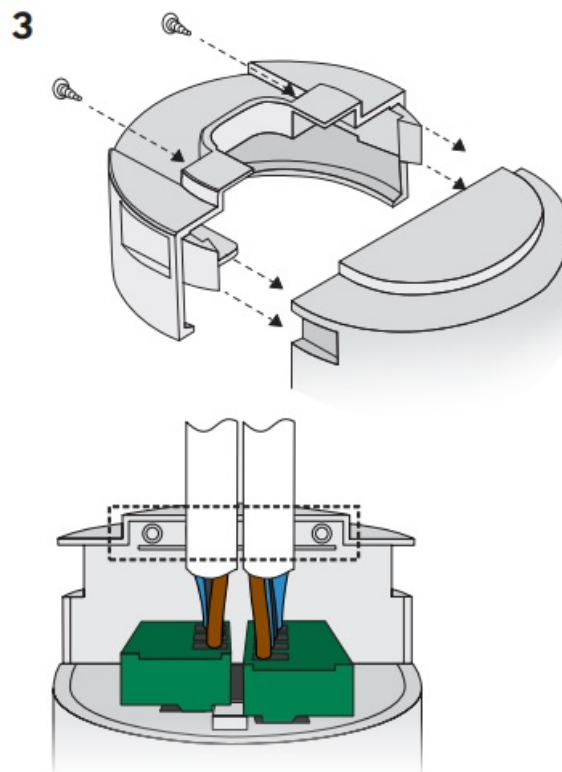
Cut a 64mm diameter hole in the ceiling.

## Wire in plugs & connect to detector



Wire in plug/s, using wiring diagram on page 2 as a guide. Connect the plug/s to the detector.

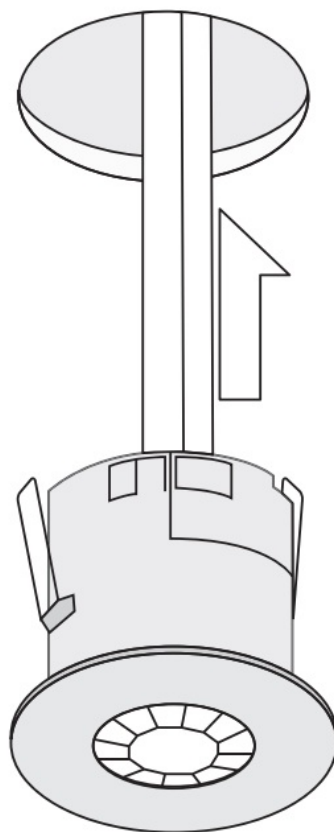
### **Clamp cable**



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.

### **Install detector**


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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

Part code	EBDSPIR-KNX
Weight	0.150kg
Supply voltage DC	30 VDC over KNX bus
Current consumption	5.9mA
Terminal capacity	KNX: 1.2mm <sup>2</sup> over KNX connector Switch input: 2.5mm <sup>2</sup>
Working temperature range	-10 to 35°C
Humidity	5 to 95% noncondensing
Material (casing)	Flame retardant ABS and PC/ABS
Insulation class	2
IP rating	40
Compliance 	EMC-2014/30/EU, LVD-2014/35/EU

### Accessories & associated products


Part Number	Description
 EXD-HSC	Extended wiring housing
 EBDSPiR-MS	Masking shields for EBDSPiR range
 UHS5	Compact, programming/commissioning handset
 UHS7	Compact, user handset

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

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## Documents / Resources

	<a href="#">CP electronics EBDSPiR-KNX Presence Detectors</a> [pdf] Installation Guide EBDSPIR-KNX Presence Detectors, EBDSPiR-KNX, Presence Detectors, Detectors
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## References

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