



TRIDONIC 5DP 38rc basicDIM Wireless Sensor Installation Guide

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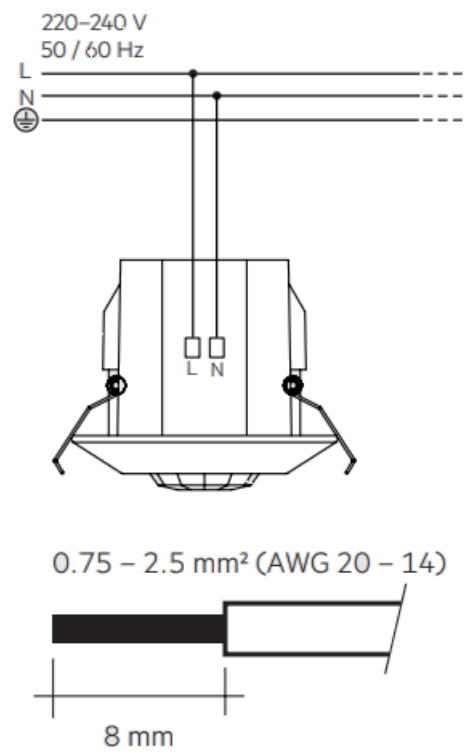
5DP 38rc basic DIM Wireless Sensor Installation Guide

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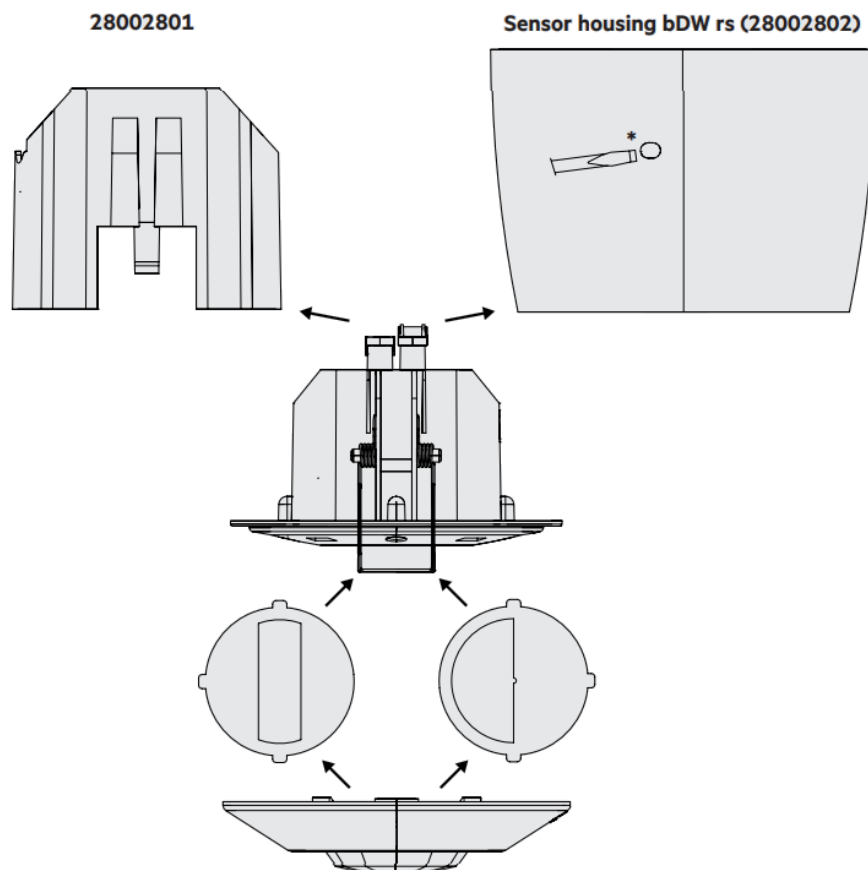
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5DP 38rc basic DIM Wireless Sensor

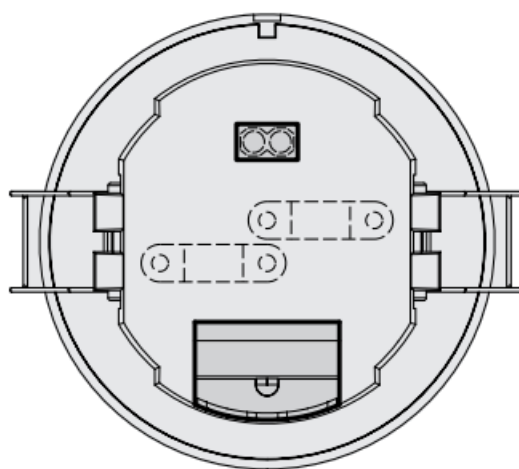
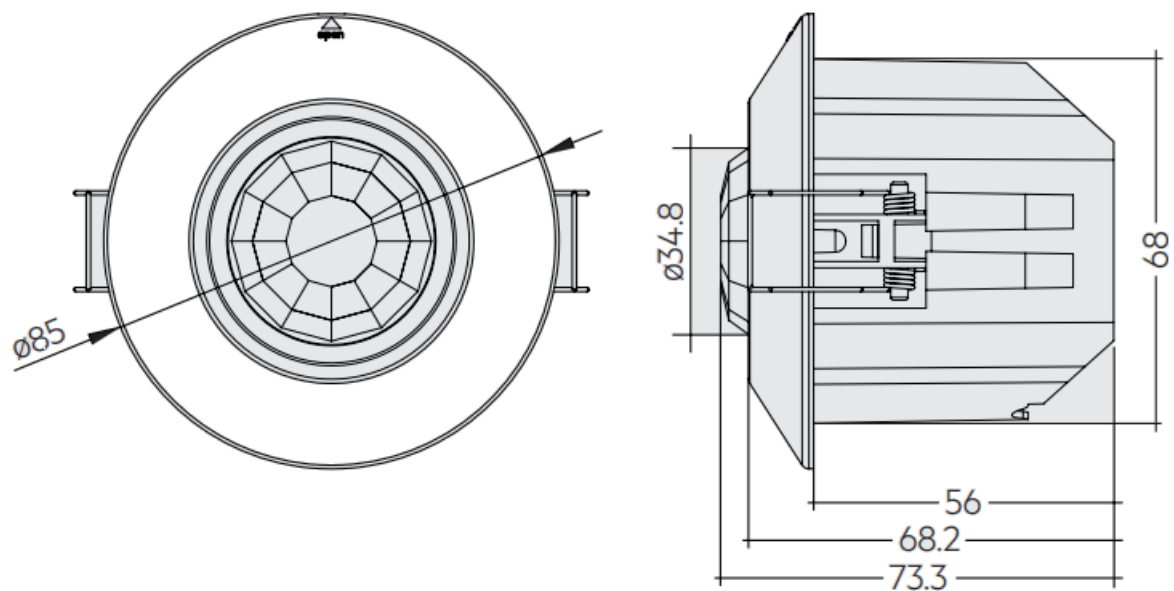
Wiring diagram



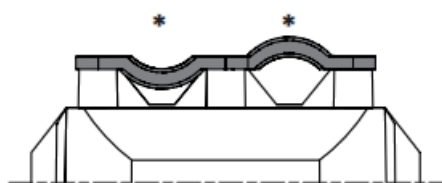
solid or stranded



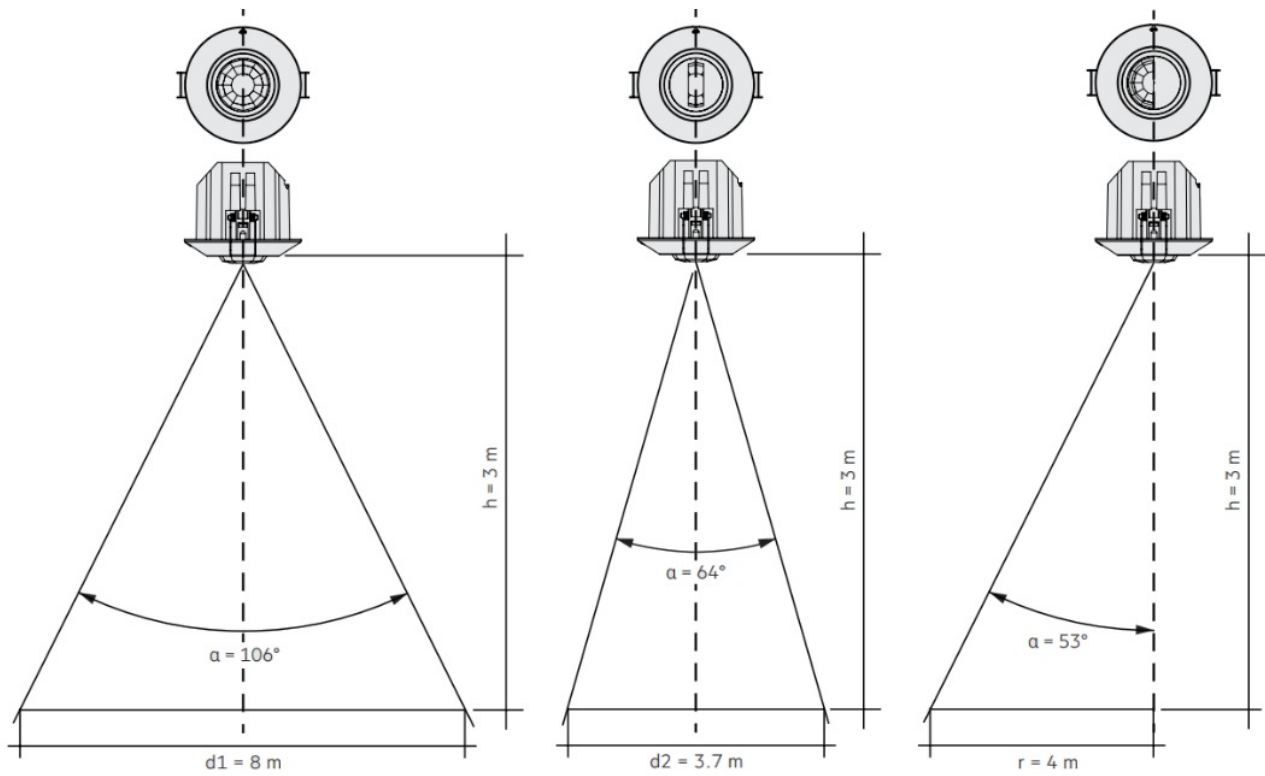
Dimensions (28002801)



Installation rear cover (28002801)



* Mounting possibilities of the strain-relief.



h	d1	d2	r
2.0 m	5.3 m	2.5 m	2.7 m
2.5 m	6.6 m	3.1 m	3.3 m
3.0 m	8.0 m	3.7 m	4.0 m
3.5 m	9.3 m	4.4 m	4.6 m
4.0 m	10.6 m	5.0 m	5.3 m

basicDIM Wireless Sensor provides movement detection and lux control wireless to other basic DIM Wireless devices to achieve smart control as presence detection or daylight harvesting.

Technical Data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. input power	0.17 W
Max. input power	< 0.5 W
Typ. input power on stand-by	0.15 W
Detection range, mounted at height of 3 m Detection angle	ø 8 m
Detection angle	53°
Light measurement at sensor head	1 – 2,000 lx (± 20 %)
Radio transceiver operating frequencies	2.4 – 2.483 GHz
Max. output power radio transceiver	+ 4 dBm
Operating temperature	0 ... +50 °C
Storage temperature	-40 ... +85 °C
Dimensions D x H	ø 85 x 73.3 mm
Hole diameter for integrated mounting	ø 70 – 74 mm
Type of protection	IP20

Installation Instructions

Make sure that the mains voltage is switched off when making any connections.

Use 0.75 – 2.5 mm² (AWG 20 – 14) solid or stranded wires.

Strip the wire 8 mm from the end.

Insert the wires to the corresponding holes and tighten the connector screw.

Mains input connector is marked with letters L and N.

When using the strain-relief, make sure to use fitting cables with a diameter from 4.5 to 11 mm.

When installed at a height other than the recommended installation height

Safety instructions

- Installation of this device may only be carried out by specialist staff who have provided proof of their skills.
- The power supply must be switched off before handling the device.
- The relevant safety and accident prevention regulations must be observed.

(3 m), the presence sensor might show different characteristics.

When mounted at a higher level, its sensitivity is reduced. If mounted at a lower level, its range is diminished.

Heaters, fans, printers and copiers located in the detection zone may cause incorrect presence detection. When using the supplied rear cover of the sensor, make sure that it is installed correctly. It must be mounted so that the cable cutout is on the opposite side of the connection clamp (see illustration).

When you use the RS housing push back the springs of the sensor.

Insert the sensor into the RS housing and turn him clockwise until you hear it snap.

To uninstall him, push a flat head screw driver (size 1) into the hole of the side of the RS housing to unlock the spring and turn him counterclockwise. You can then remove the sensor from the RS housing.

Optimal positioning of the sensor

The sensor must be positioned on the ceiling so that the hands of the person using the room are in the centre of the detection zone without being covered by a screen, bodies and so on.

Compatible devices

Compatible with all Android 4.4 (KitKat) or later, iPhone 4S (iOS 5.0) or later and iPad 3 (iOS 5.1) or later.

Hereby, Tridonic declares that the radio equipment type basic DIM Wireless Sensor 5DP 38rc is in compliance with Directive 2014/53/EU.

Hereby, Tridonic declares that the radio equipment type basic DIM Wireless Sensor 5DP 38rc is in compliance with Directive UK SI 2017 No. 1206.

The full text is available at the following internet address: <https://trid.help/en28002801cer>

Areas of application

The device may only

- be used for the applications specified.
- for safe installation in dry, clean environment.
- be installed in such a way that access is only possible using a tool.

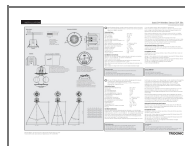
03/22-15013090-8 We reserve the right to make technical changes without prior notice.

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Documents / Resources



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5DP 38rc basicDIM Wireless Sensor, 5DP 38rc, basicDIM Wireless Sensor, Wireless Sensor, Sensor

References

- [T Lighting solutions for smart indoor and outdoor lighting â€“ Tridonic](#)