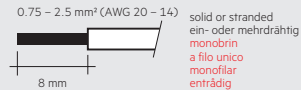
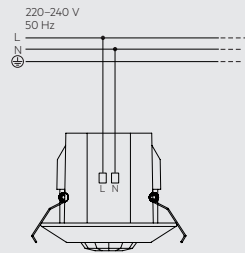
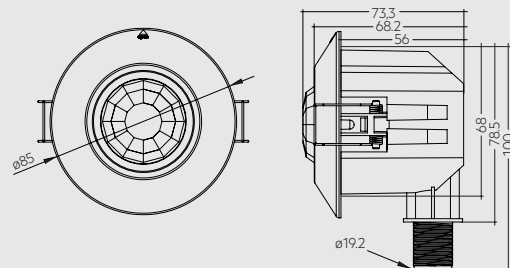


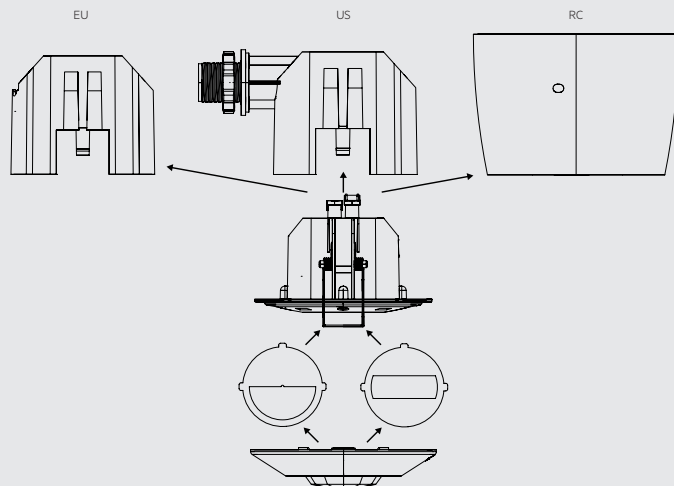
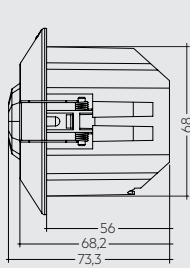
Wiring diagram



Dimensions US versions (28002800)



Dimensions EU versions (28002801)



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

Technical Data

Rated supply voltage	220 – 240 V
Rated supply voltage (US version)	120 – 277 V
Mains frequency	50 / 60 Hz
Detection range, mounted at height of 3 m	ø6 m
Detection angle	tbd*
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
tc point	70 °C
Storage temperature	-40 ... +85 °C
Dimensions for integrated mounting	ø65 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 conductor electrical 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 installed at a height other than the recommended installation height (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.

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 basicDIM Wireless (28002212) is in compliance with Directive 2014/53/EU.

The full text is available at the following internet address:

http://www.tridonic.com/PDB/resources/TRCertPDF/42395_TA%20602_00.pdf

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.

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.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received,

Federal Communications Commission (FCC) Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Note: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Installationshinweise

Achten Sie darauf, dass die Netzspannung abgeschaltet ist, wenn Sie Verbindungen herstellen. Verwenden Sie eindrähtige- oder mehrdrähtige Kabel mit einem Querschnitt von 0,75–1,5 mm². Isolieren Sie am Kabelende 6–7 mm ab. Drücken Sie die Klemmendrücker nach unten und stecken Sie die Kabel in die dafür vorgesehenen Öffnungen.

Das basicDIM Wireless Passive Module wird über den DALI Bus versorgt. Um die Funktion sicher zu stellen, ist es notwendig den DALI Bus extern zu versorgen. Es verfügt über zwei Paar Klemmen. Die Paare sind intern, parallel verbunden. Dadurch kann eine Durchgangsverdrahtung einfach realisiert werden. Die Anschlüsse sind mit „DA1“ und „DA2“ gekennzeichnet.

Kompatible Geräte

Kompatibel mit Android 4.4 (KitKat) oder höher, iPhone 4S (iOS 5.0) oder höher und iPad 3 (iOS 5.1) oder höher.

Hiermit erklärt Tridonic, dass der Funkanlagentyp basicDIM Wireless Passive Module (28002574) der Richtlinie 2014/53/EU entspricht. Der vollständige Text ist unter der folgenden Internetadresse verfügbar: http://www.tridonic.com/PDB/resources/TRCertPDF/42395_TA%20602_00.pdf

Einsatzbereich

- Das Gerät
- darf nur für den bestimmungsgemäßen Einsatz verwendet werden.
 - muss für eine sichere Installation in einer trockenen, sauberen Umgebung installiert werden.
 - muss so installiert werden, dass der Zugang nur mit einem Werkzeug möglich ist.