

General Description

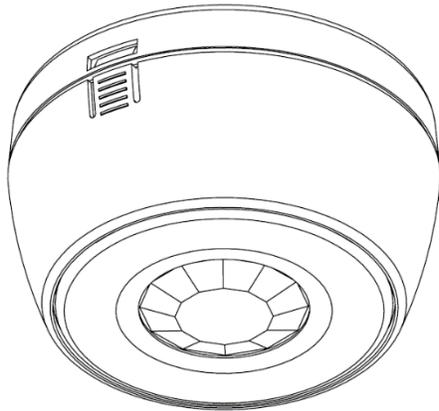


Figure 1: XD100 Surface Mount

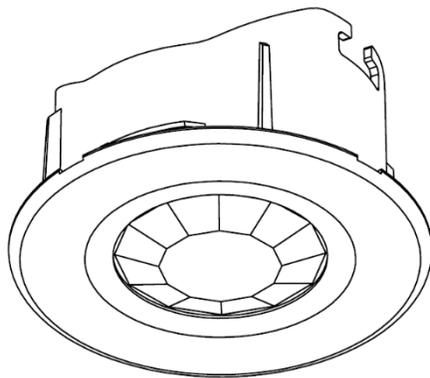


Figure 2: XD100 Flush Mount

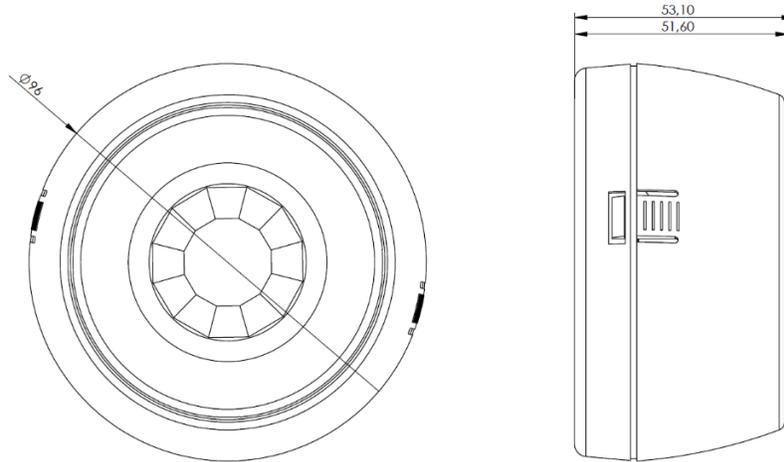
- XD100 KNX Presence Detector is ideal for interior rooms such as medium to large-size offices, corridors, classrooms, conference and meeting rooms, parking buildings, warehouses and sport halls. Detector is available in two models; PD100 Presence Detector and MD100 Motion Detector with flush mounted and surface mounted versions.
- Constant light function can be applied in dependence of presence information thanks to integrated brightness sensor and movement sensor. XD100 regulates the ambient brightness to a defined brightness value.
- Lighting can be set to different brightness levels with corridor function based on occasions such as "motion detection, after movement, no action". Stay-on time can be changed the by end user.
- Air-conditioning and ventilation systems can be controlled by independent HVAC channel.
- Presence information can be sent to presence monitoring applications by independent presence channel.
- The EAE KNX XD100 (PD100 and MD100) can either used as a standalone device or master-slave device (parallel operation with other sensors) according to necessity of project.
- XD100 enables fully-automatic and semi-automatic lighting control.
- Test and calibration mode allows for easy installation.
- The device does not require an additional power supply.

Technical Data

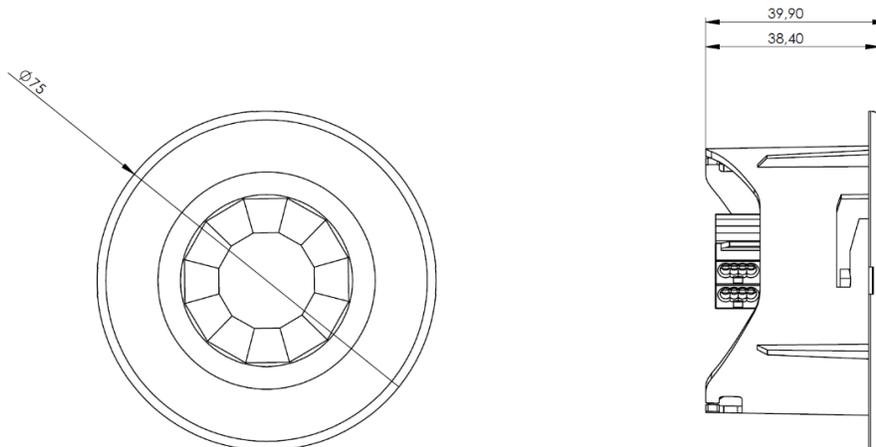
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|----------------------------|------------------------------|--|
| Type of protection | IP 20 | EN 60 529 |
| Safety class | II | EN 61 140 |
| Power supply : | Voltage | 21V... 30V DC, KNX line |
| | Current consumption | < 10 mA |
| Application Area | | Interior rooms |
| Sensor Type | | Passive infrared |
| Installation | Location | Ceiling |
| | Recommended height | 2,5m - 5m |
| Detection | Diameter (at height of 2,5m) | 9m movement detection (MD100) 6m movement detection (PD100) |
| | Area | 64 m ² |
| | Angle | 360° |
| | Light level | 10 – 1000 lux |
| Additional channels | | Brightness, presence channel, HVAC channel |
| Parallel operation | | Master/Master, Slave/Master |
| Operating elements | LED (red) and button | For physical address |
| Temperature range | Ambient | -5° C + 45° C |
| | Storage | -25° C + 55° C |
| | Transport | -25° C + 70° C |

| | | |
|----------------------------|--|--------------------------|
| Dimensions | 42.5 x 42,5 x 12 mm | |
| Weight | 0.06 kg | |
| Box | Plastic, polycarbonate, colour white | |
| CE | In accordance with the EMC guideline and low voltage | |
| Application program | Communications objects | Number of addresses(max) |
| | 44 | 254 |

Scale Drawings



Drawing 1: XD100 Surface Mount



Drawing 2: XD100 Flush Mount