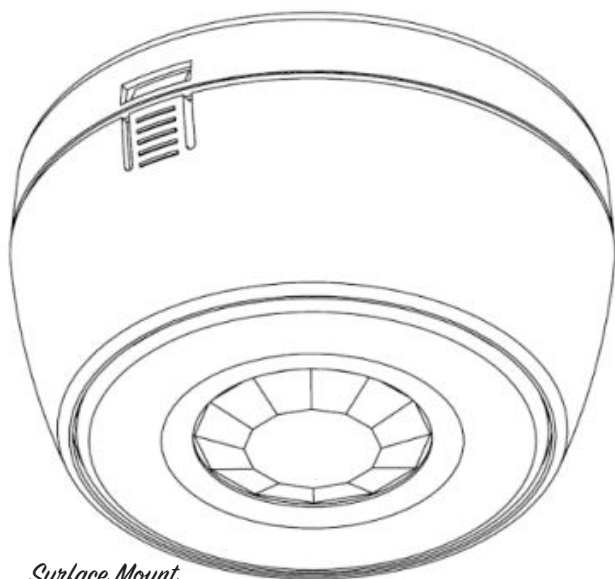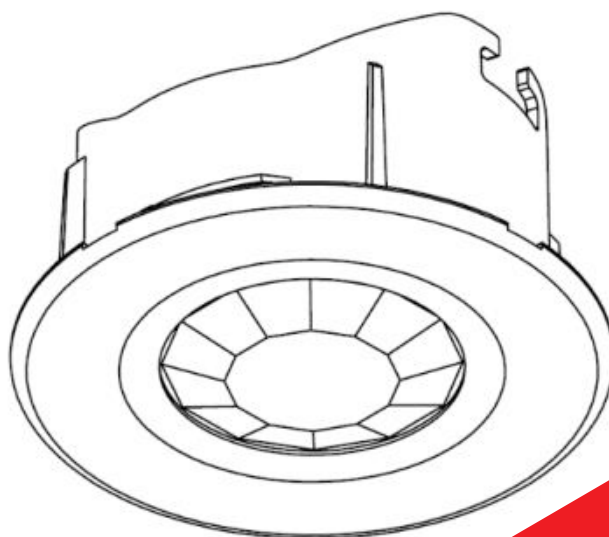# Datasheet DALI XD100 (PD100, MD100)
EAE DALI Presence/Motion Detector

All you need is EAE

Surface Mount

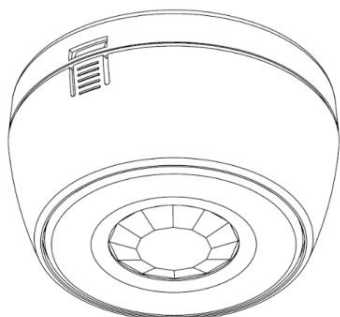Flush Mount

General Features

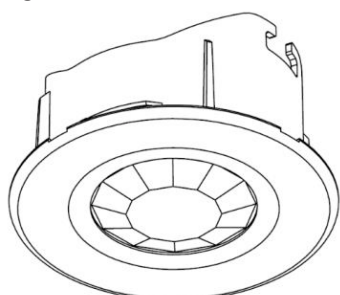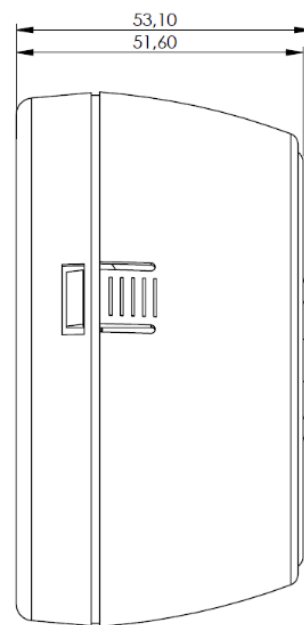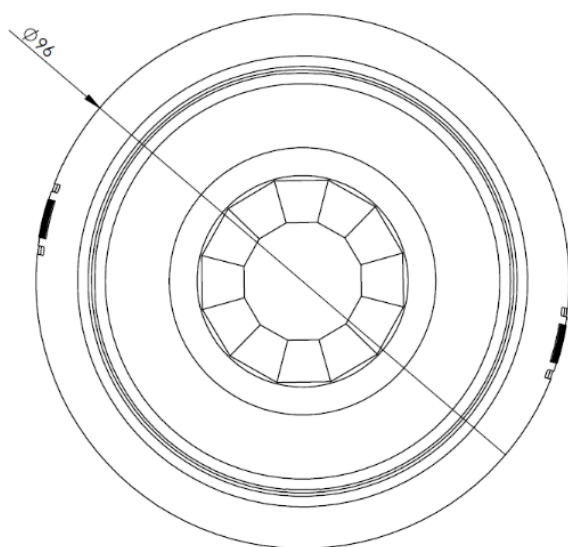Figure 1: XD100 Surface Mount

Figure 2: XD100 Flush Mount

- XD100 DALI 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.
- Available in two models
  - PD100 Presence Detector (suitable for precise presence detection
  - MD100 Motion Detector (suitable for wide range movement detection)
- Available in flush mounted and surface mounted versions
- Measures the ambient brightness between 10 – 1000 lux
- Reports presence and brightness data via DALI-2 commands
- Device does not require an additional power supply.
- Test and calibration mode allow for easy installation.
- Compatible with relative DALI-2 standards
  - Control device (IEC 62386-103)
  - Presence sensor (IEC 62386-303)
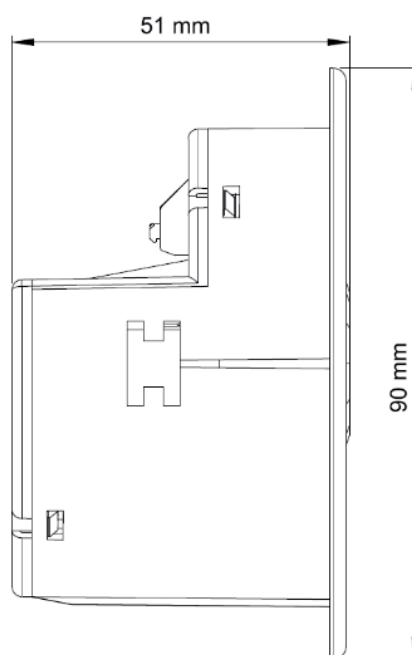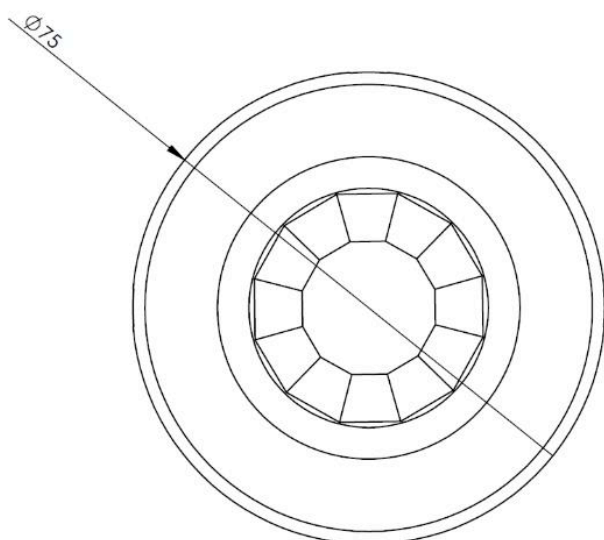 - Brightness sensor (IEC 62386-304)

Technical Data

Protection Grade	IP 20	EN 60 529
Safety Class	II	EN 61 140
Power Supply	Voltage	12V... 22V DC, DALI line
	Current consumption	< 7 mA
Connections	DALI	Terminal Connection
Installation	Location	Ceiling
	Recommended height	2,5m – 5m
Temperature Range	Ambient	–5° C + 45° C
	Storage	–25° C + 55° C
	Transport	–25° C + 70° C
Dimensions	Flush mount Surface mount	Dia: 75 mm Height: 38.4 mm Dia: 96 mm Height: 51.6 mm
Weight	0.06 kg	
Material	Plastic, polycarbonate, colour white	
CE	In accordance with the EMC guideline and low voltage	
Application Area		Interior rooms
Sensor Type		Passive infrared
Detection	Diameter (at height of 2,5m)	9m movement detection (MD100) 6m movement detection (PD100)
	Area	64 m2
	Angle	360°
	Light level	10 – 1000 lux

Technical Drawings

Drawing 1: XD100 Surface Mount

Drawing 2: XD100 Flush Mount