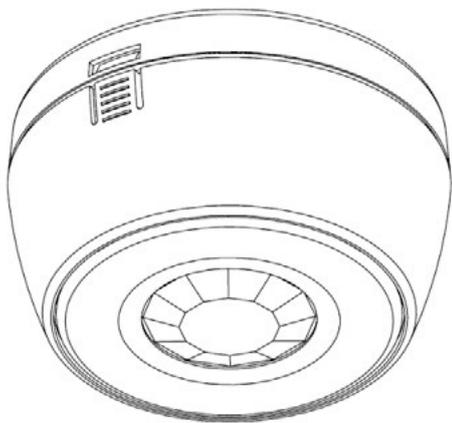
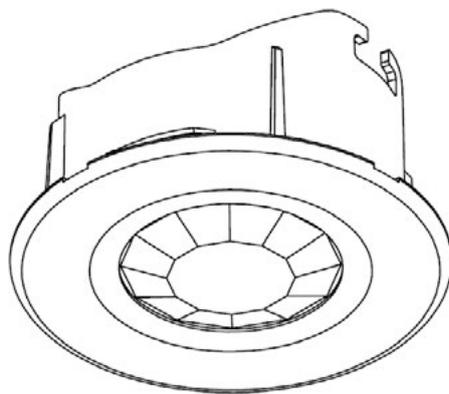


Datasheet xD100 (DA-PD100, DA-MD100)
EAE DALI Occupancy Sensor

All you need is EAE

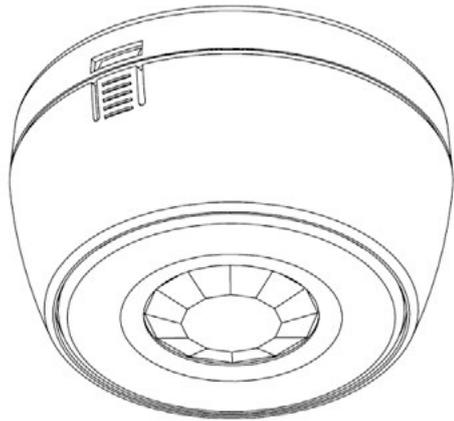


XD100 Surface Mount

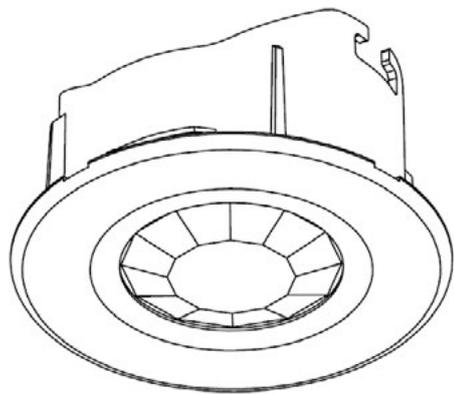


XD100 Flush Mount

General Description



XD100 Surface Mount



XD100 Flush Mount

- xD100 DALI Occupancy Sensors is ideal for indoor areas such as offices of any size, classrooms, conference / meeting rooms, parking areas, warehouses and sport halls.
- Optional IR receiver for virtual push button control via remote controllers.
- Device can be configured on site to be used with most of the available remote controllers. Custom remote controller design with up to 12 buttons can be ordered on request
- Available in two models
 - PD100 (suitable for precise presence detection)
 - MD100 (suitable for wider range movement detection)
- Available in flush mounted and surface mounted versions
- Measures the ambient brightness between 5 – 2000 lux
- Power supply via DALI bus.
- Bus connection is protected against accidental mains (110V/230V) connection
- Defined test and calibration commands for easy installation.
- RGB LED for localization, movement and IR command indications. Also can be used for custom defined feedbacks
- Compatible with relative DALI-2 standards
 - Control device (IEC 62386-103 v2.0)
 - Occupancy sensor (IEC 62386-303 v2.1)
 - Light sensor (IEC 62386-304 v2.0)
 - Feedback (IEC 62386-332)
 - Push button (IEC 62386-301 v2.0 – only on IR models)

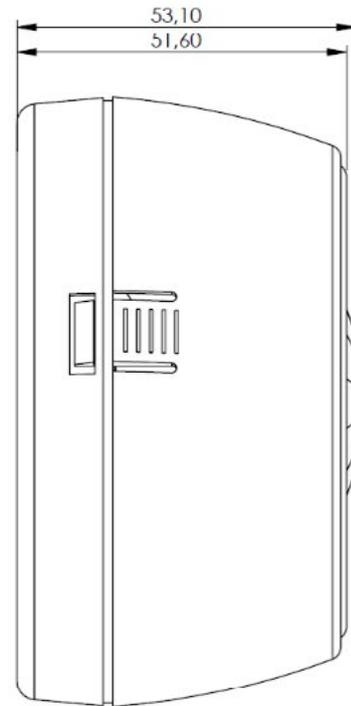
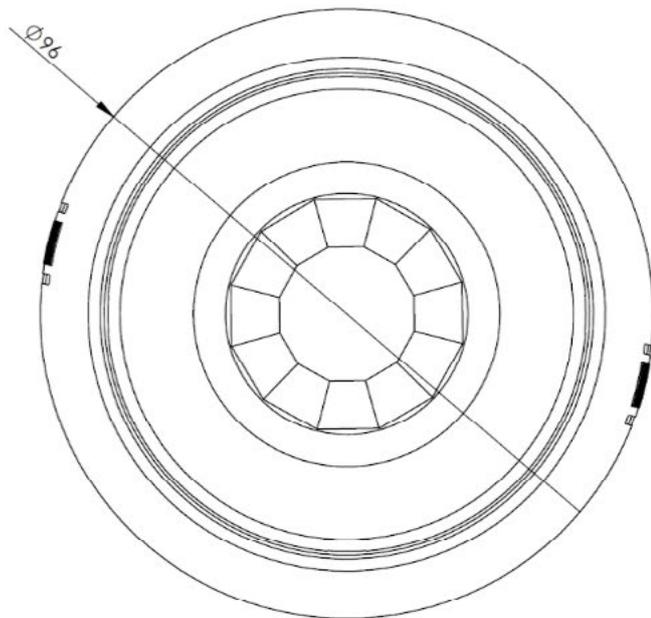
Datasheet xD100 (DA-PD100, DA-MD100)

EAE DALI Occupancy Sensor

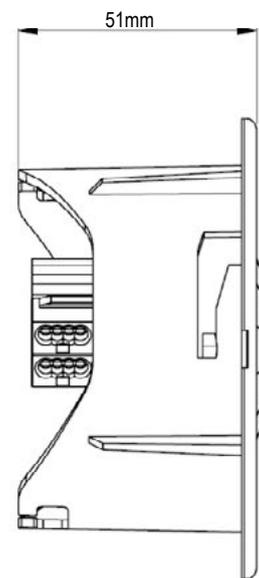
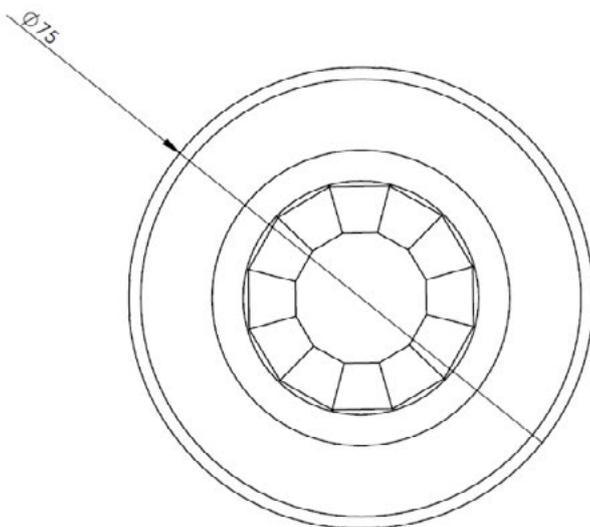
Technical Data

Type of protection	IP20	EN 60529
Safety class	II	EN 61140
Power supply :	Voltage	9.5V ... 22.5V DC
	Bus current drawn	<3 mA (guaranteed by design)
	Start-up time	<0.5 s
	Protection	Mains connection protected
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 presence detection (PD100)
	Angle	360°
	Light level	5 - 2000 lux
IR Receiver	Protocol	RC5, NEC
	Frequency	36kHz
	Virtual push button instance count	12
Temperature range	Ambient	-5° C + 45° C
	Storage	-25° C + 55° C
Dimensions	Flush mount	Dia: 75 mm Height: 38.4 mm
	Surface mount	Dia: 96 mm Height: 51.6 mm
Box	Plastic, polycarbonate, color white	
CE	In accordance with the EMC guideline and low voltage directives	

Scale Drawings



Drawing 1: XD100 Surface Mount



Drawing 2: XD100 Flush Mount