

Datasheet DALI CD100

EAE DALI Presence/Corridor Detector

All you need is EAE



General Description

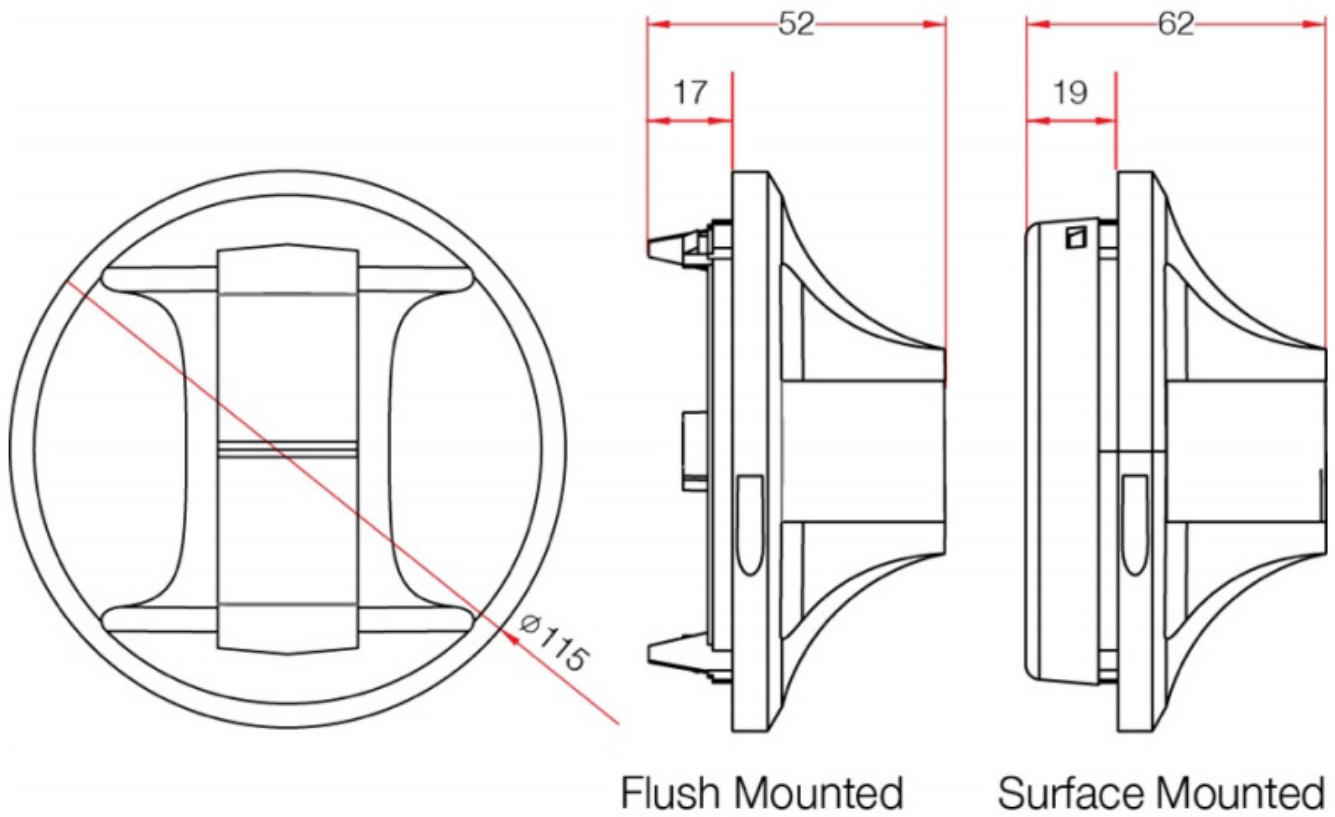


- CD100 KNX Presence Detector is ideal for corridors and parking buildings. Detector is available in two models; Flush Mounted and Surface Mounted
- Constant light function can be applied in dependence of presence information thanks to integrated brightness sensor and movement sensor. XD100 regulates 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.
- The sensor has corridor function feature. Through to this feature presence, absence, stay on time and switch off delay values can be adjustable via KNX. (Corridor function graph)
- Presence information can be sent to presence monitoring applications by independent presence channel.
- The EAE KNX CD100 can either used as a standalone device or master-slave device (parallel operation with other sensors) according to necessity of project
- CD100 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

Type of protection	IP 20 (Flush Mount), IP 44 (Surface Mount)	EN 60 529
Safety class	II	EN 61 140
Power supply :	Voltage	12V... 22V DC, KNX line
	Current consumption	< 10 mA
Application Area	Indoors, Corridors, Car Parks, Warehouses	
Sensor Type	Passive infrared	
Installation	Location	Ceiling
	Recommended height	2,5m - 5m
Detection	Diameter (at height of 4,5m)	12 x4 m (radial walk) 20 x 6 m (tangent walk)
	Area	Up to 120m ²
	Angle	180°
	Light level	10 – 1000 lux
Additional Channels	Brightness, Presence Channel, HVAC Channel	
Parallel Operation	Master/Master,Slave/Master	
Temperature Range	Ambient	-5° C + 45° C
	Storage	-25° C + 55° C
	Transport	-25° C + 70° C
Dimensions	Flush mount	115 x 52 mm
	Surface mount	115 x 62 mm
Weight	Flush Mount : 0,083 kg	Surface Mount : 0,097 kg
Box	Plastic, polycarbonate, colour white	
CE	In accordance with the EMC guideline and low voltage	

Technical Drawings



Drawing 2: XD100 Flush Mount