

Datasheet CD100

EAE KNX Corridor Motion Detector

All you need is EAE



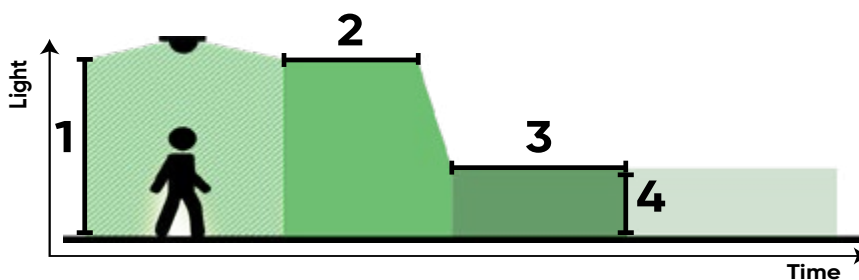
General Features



- 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.

Corridor function graph



- 1 Presence value** : Luminous intensity set for the presence of persons
- 2 Stay on time** : Delay time
- 3 Switch off delay** : Period of time during which the absence value is maintained before the lighting is switched off.
- 4 Absence value** : Luminous intensity set for the absence of persons

Technical Data

Protection Type	IP 20 / IP 44 (Surface Mounted)	EN 60529
	IP 20 (Recessed)	
Safety Class	II	EN 61140
Supply	Voltage range	21 - 30V DC, KNX line
	Current consumption	< 10mA
Application areas	Indoors, Corridors, Car parks, Warehouses	
Sensor Type	Passive infrared	
Installation	Location	Flush / Surface Mounted
	Recommended height	2.5 m – 4.5 m
Detection	CD100 Coverage	12x4 m coverage (radial walk)
	(at 3 m height)	20x6 m coverage (tangent walk)
	Angle	180° aisle
	Light Level	100 – 1000 lux
Additional Channels	Illumination level, movement channel, HVAC ch. Master/Master, Master/Slave	
Parallel Operation	Used to program the device	
Operating Elements	LED (Red) and button	- 5°C +45°C
Operating Temperature	Operation	-25°C +55°C
	Storage	-25°C +70°C
	Transportation	Flush Mounted; (H) = 60 mm x (Ø) = 115 mm
Dimensions	Surface Mounted; (H) = 62 mm x (Ø) = 115 mm	
	Flush Mounted; 83g	
Weight	Surface Mounted; 97 gr	
	Ø 102 mm (4inch)	
Ceiling section dimension	Device complies with, EN 50090-2-2, IEC 60664-1	

Connection Example

