

General Description

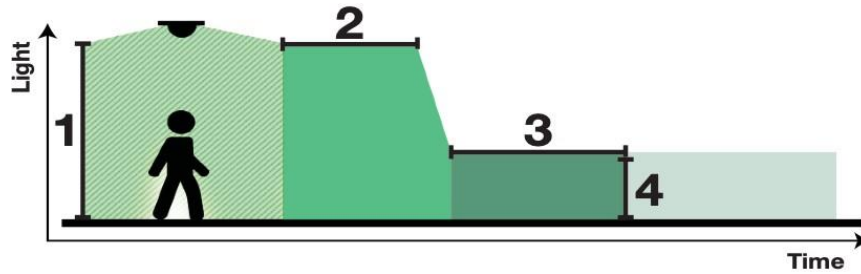


- CD100 KNX Presence Detector is ideal for corridors and parking buildings. Detector is available in two models; Flush Mounted and Surface Mounted.
- Constant light function can be applied in dependence of presence information thanks to integrated brightness sensor and movement sensor. XD100 regulates 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

Protection Type	IP 20 (Flush Mount, Surface Mount) IP 44 (Surface Mount only) -optional-	EN 60 529
Safety class	II	EN 61 140
Power supply :	Voltage	21V... 30V 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 - 4,5m
Detection	Diameter (at height of 4.5m)	12 x 4 m (radial walk) 20 x 6 m (tangent walk)
	Area	Up to 120 m ²
	Angle	180°
	Light level	1 – 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	Flush Mounted	115 x 52 mm
	Surface Mounted	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	
Application program	Communications objects	Number of addresses(max)
	44	254

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

Scale Drawings

