

MX-PD100 MX-MD100

KNX Presence/Motion Detector



Overview

KNX 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. Detector is available in two models; MX-PD100 Presence Detector and MX-MD100 Motion Detector with flush mounted and surface mounted versions.

Constant light function can be applied in dependence of presence information thanks to integrated brightness sensor and movement sensor. It 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 by the end user.

Air-conditioning and ventilation systems can be controlled by independent HVAC channel. Presence information can be sent to presence monitoring applications by independent presence channel.

The MICROAXS KNX (PD100 and MD100) can either be used as a standalone device or master-slave device (parallel operation with other sensors) according to the necessity of the project. It enables fully-automatic and Semi-automatic lighting control. The device does not require an additional power supply. Test and calibration mode allows for easy installation.



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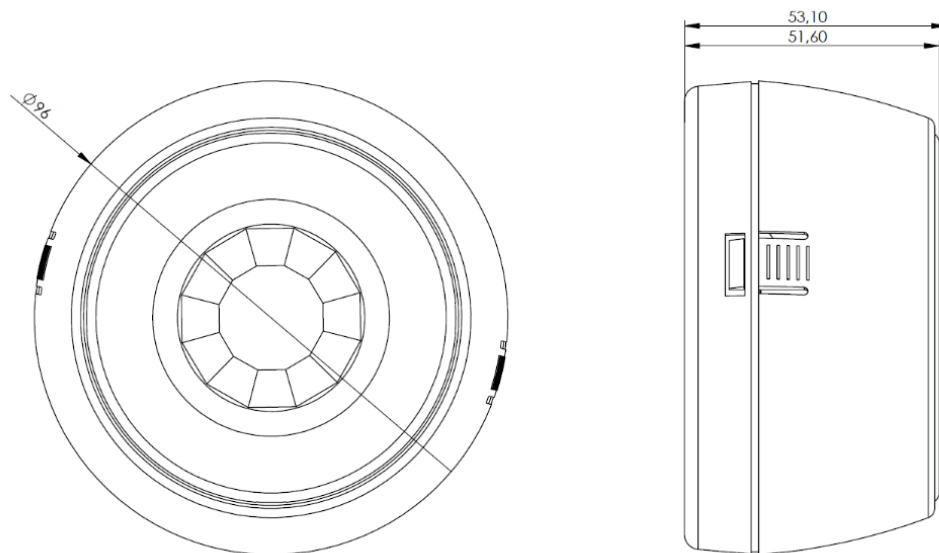
Specification

Model	MX-PD100/MX-MD100
Supply Voltage	21V... 30V DC, KNX line
Current consumption	≤ 10 mA
Application Area	Interior rooms
Sensor Type	Passive infrared
Installation Location	Ceiling
Installation Recommended height	2,5m - 5m
Area	64 m2
Detection Diameter	9m movement detection (MD100) 6m movement detection (PD100)
Angle	360°
Light level	10 – 1000 lux
Additional channels	Brightness, presence channel, HVAC channel
Parallel operation	Master/Master, Slave/Master
Temperature Ambient	-5° C + 45° C
Storage	-25° C + 55° C
Transport	-25° C + 70° C
Dimensions	42.5 x 42,5 x 12 mm
Weight	0.06 kg
CE	In accordance with the EMC guideline and low voltage

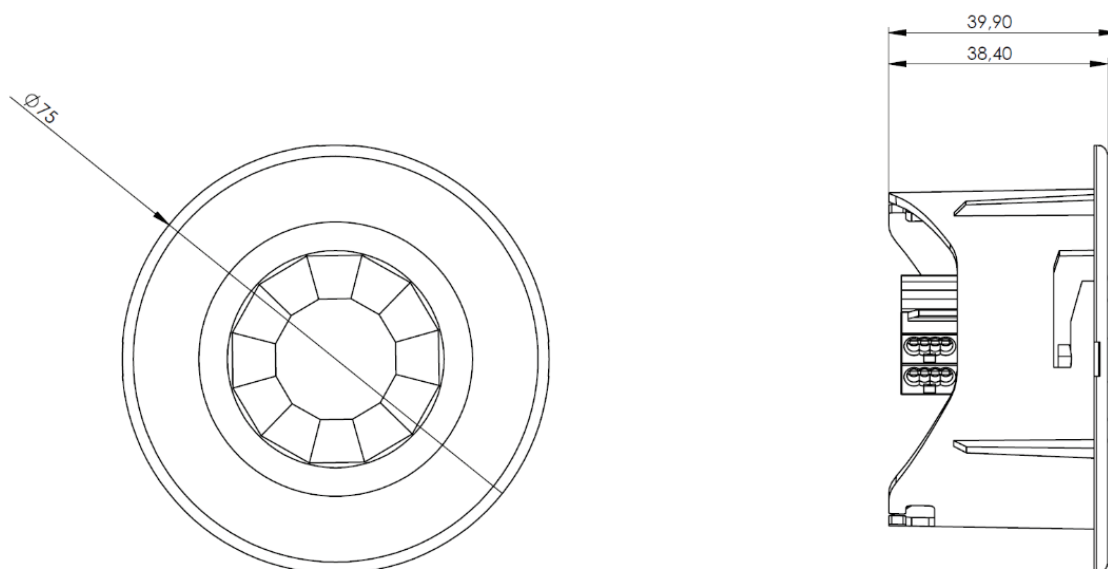
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Drawings



Drawing 1: Surface Mount



Drawing 2: Flush Mount