

MX-PD101

Smart Lock



Overview

The Intra-Sewi KNX MX-PD101 sensor for the KNX bus system detects the presence of people even when there is little movement, such as when people are sitting in an office. Permanent brightness monitoring means that the light can be switched off from an adjustable brightness value.

Features

1. Brightness measurement with brightness control
2. Presence of persons is detected
3. Threshold values can be adjusted per parameter or via communication objects
4. 4 AND and 4 OR logic gates, each with 4 inputs. All switching events as well as 16 logic inputs (in the form of communications objects) can be used as inputs for the logic gates. The output of each gate can be configured optionally as -1bit or 2 x -8bit
5. Configuration is made using the KNX software ETS

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Specification

Model	MX-PD101
Housing	Plastic, glass
Colour	similar to signal white RAL 9003 (Intra-Sewi KNX L-Pr) similar to pure white RAL 9010 (Intra-Sewi KNX TH-L-Pr) similar to jet black RAL 9005
Assembly	built-in, in false ceiling or connector socket
Dimensions	approx. 80mm x approx. 5mm height in wall (installation) approx. 31mm
Degree of protection	IP 30
Weight	approx. 50 g
Ambient temperature	-20~60°C
Ambient humidity	5...95% RH, non-condensing
Storage temperature	-30...+70°C
KNX medium	TP1-256
Configuration mode	S-Mode
Group addresses	max. 254
Assignments	max. 254
Communication objects	122
Nominal voltage KNX	30 V DC SELV
Power consumption KNX	max. 10 mA
Connection	KNX plug terminals
Duration after bus voltage restoration until data is received	approx. 5 seconds



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Model	MX-PD101
Measurement range	0 lux ... 2,000 lux (higher values can be measured and output)
Resolution	1 lux at 0...2,000 lux
Detection method	Passive infrared method (PIR)
Coverage angle	approx. 94° × 82° (see also Coverage area of the presence detector)
Range	approx. 5 m

