

MX-BS100

Microaxs Brightness Sensor



Overview

The MX-BS100 brightness sensor gauges the brightness level and sends this data to the KNX system. It offers six customizable switching outputs with adaptable threshold settings, along with extra AND and OR logic gates. All components, including the sensor system, evaluation electronics, and bus connection, are contained within a compact housing.

Features

- Brightness measurement: The current light intensity is measured by a sensor
- 3 Threshold values for twilight (up to 1000 lux), 3 for daylight (1-99 klux), can be adjusted per parameter or via communication objects
- 8 AND and 8 OR logic gates with each 4 inputs. Every switching incident as well as 8 logic inputs (in the form of communication objects) may be used as inputs for the logic gates. The output of each gate may optionally be configured as 1 bit or 2 x 8 bits

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Specification

Model	MX-BS100
Housing	Plastic material
Colour	White / translucent
Mounting	On-wall
Degree of protection	IP 44
Dimensions	96 × 77 × 118 (W × H × D, mm)
Weight	150g
Ambient temperature	Operation -30...+50°C, storage -30...+70°C
Voltage	KNX bus voltage
Current	max. 10 mA
Data output	KNX +/- bus terminal plug
Group addresses	max. 254
Max. 254	max. 255
Communication objects	117
Measurement range brightness	0 ... 150.000 lux