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Fundos Europeus Estruturais e de Investimento

MCD. light

Micro-cut control system

The MCD Light is a luminous flux regulation system for public lighting circuits with luminaires equipped with LED technology using micro-wave voltage cut-outs or timer actuation based on an internal clock.

Benefits for your city

- Reduced energy costs
- Easy installation system
- Luminous flow control from 0 to 10
- No operating costs
- Easily integrable into any type of luminaire or DIN rail 35mm

Features

Operating modes

MCD M1

Regulation of the flow by micro-cuts of the voltage wave

- Control of luminaires by micro-cuts according to standard DEF-C71-421/N
- 7 levels of control from 40% to 100%
- Adaptable to any 0-10 ballast
- Luminous flow control limited to once every 5 minutes
- Module consumption less than 1 Watt

MCD M2

By stand-alone timer

- 5 preset levels from 40% to 100% in steps of 10%
- Internal timer for operation
- Adaptable to any 0-10 ballast
- Module consumption less than 1 Watt

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version A4 | 2019 review: 19/11/2019

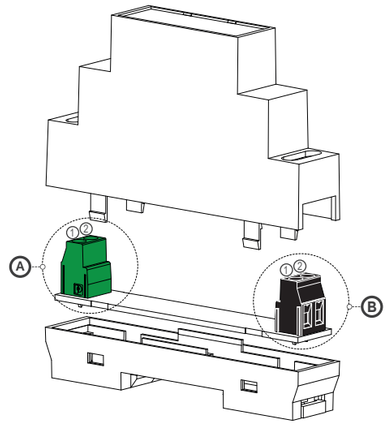
by Globaltronic
spreading technology

MCD . light

Technical Specifications
(Hardware)

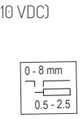
Product name	MCD **M1** or MDC **M2**
Input voltage	85 ~ 245 VAC, 50Hz
Consumption	< 1 Watt
Ta	-20 to 80°C
Tc	65°C
Output voltage	0 to 10 VDC
Communication protocol	**M1 –** DEF-C71-421/N **M2 –** Pré-definido em fábrica
Connector	Tightening from 0,5 to 2,5 mm
Electrical safety	Galvanic insolation between high and low voltage
Operating conditions	Operating temperature: -10°C to 65°C Humidity conditions: 20 to 90% RH, non-condensing Storage Temperature, Humidity: -40°C to 80°C 10 to 95% RH, non-condensing
Firmware update	Firmware update from internal connector
Protection index	IP 30
Certifications	Certification according to ISO 9001: 2008, compatible with RoHS (approved), manufactured in Portugal

Illustrative picture
Connections

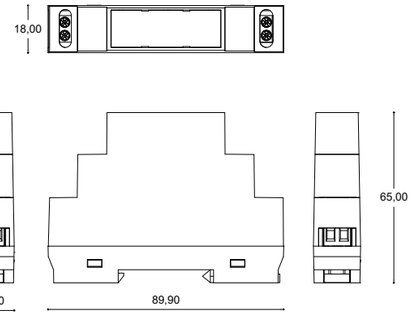


A. 230V input
1. Neutral
2. Fase

B. DC output (0 to 10 VDC)
1. -
2. +



Technical drawing
(mm)



Wiring diagram