

TECHNICAL DESCRIPTION

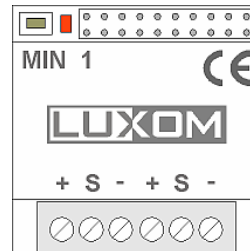
This I/O module is a Luxom network unit with an on board controller for interfacing with potential free contacts or for controlling Luxom visualization LEDs.

Potential free contacts from :

- push buttons
- toggle switches
- normally open contacts
- normally closed contacts

Visualization LEDs for indicating the status or position of:

- lighting and shutters
- heating and ventilation
- doors and windows
- garage doors and yard fences

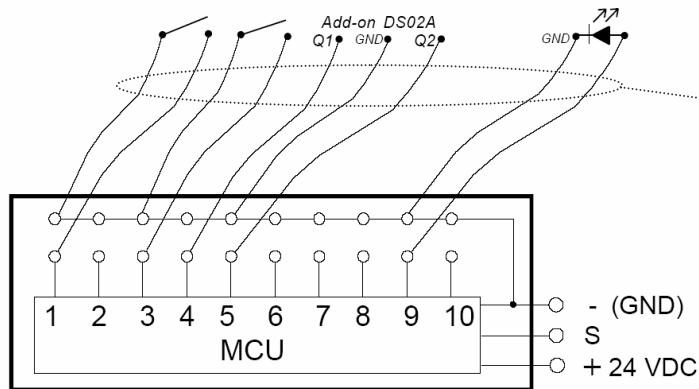


There are 10 input/output channels in total. Every channel can be configured individually as input or as output.

In combination with the add-on module DS 02A, it is possible to control 2 x 8A potential free contacts.

TECHNICAL DATA	
Product ID	100
Supply voltage	24 VDC
Electricity consumption	0.4 VA (max 0.8 VA)
Electricity consumption per connected LED	0.05 VA
Installation	In wall socket box
Number of bus connections	2
BUS connection	1.5 mm ²
FUNCTIONAL DATA - INPUTS	
Ports	10 x binary
Port type	5 VDC / 0.5 mA
Mass	10 ports with common mass
Input impedance	1.5 kOhm
Maximum distance between port and contact	< 10 m
Connection	DS20D (length 20cm) – DS21D (150cm) Adaptor with screw connections: DS35D
FUNCTIONAL DATA - OUTPUTS	
Ports	10 x Luxom LED
Port type	5 VDC / 1.5 mA
Mass	10 ports with common mass
Maximum distance between port and LED	< 10 m
Connection	Luxom LED's (DS23D...DS27D)
Warranty	3 years on exchange
Operational temperature	0° to 50° C
Protection level	IP 20
Dimensions LxWxH	40 x 40 x 15 mm
Number of DIN-rail modules 18 mm	-

WIRING DIAGRAM



With distances longer than 1m, these connections must always be wired with shielded cable. This shielding may only be connected to the earth on one side to avoid earth loops.

Note: - The connecting wires must be put in separate conducts. Not together with the main voltage wires.
- When connecting Luxom LEDs or add-on module DS02A, the black wire should be at the - (GND) pins. (see wiring diagram)

For more connection diagrams we refer to the 'Wiring diagrams.pdf' file.

ON BOARD SOFTWARE FEATURES

Input - Push button – Toggle with contact closure

Input - Push button – Set with contact closure

Input - Push button – Clear with contact closure

Input - Normally open contact - S/C - Set with contact closure / Clear when contact opens

Input - Normally closed contact - C/S - Clear with contact closure / Set when contact opens

Input - Normally open contact with 90sec repeat - S/C90

Input - Toggle switch - T/T - Toggle with contact closure / Toggle when contact opens

Output