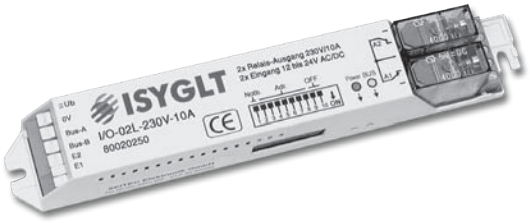


I/O-02L-230V-10A

General

The light terminal is a module with specially designed casing and technical data for the direct light installation. Two light circuits can be connected using the relay outputs. There is also an integrated emergency function (see below). The two inputs are requestable by the BUS. As the output relays are designed as two-way contacts, the user can choose whether to open or close the circuit in the event of a power failure.

Inputs / Outputs

- 2 relay outputs changers 230V/10A (on a common root)
- 2 digital inputs (optical coupler) 12-48V AC/DC

Function displays

- 1 red LED indicates the operating voltage
- 1 yellow flashing LED signalise the communication to the master via subnet

Connections

- 2 connections for the subnet (BUS A and B, RS-485)
- 2 connections for the operating voltage (Ub, 0V)
- 2 digital inputs
- 2 relay outputs on 5 terminals

Design

- plastic casing for light installation

Special function DIP switch 1 = emergency function

1. DIP switch 1 OFF (standard)

- BUS is working:
  - The Inputs are read in by the BUS and work depending on the programm to the outputs.
- BUS is not working:
  - The outputs remain as they where until the BUS functions again.

2. DIP switch 1 ON (EMERGENCY FUNCTION)

- BUS is working:
  - If input E1 is set, output A1 is activated. The input will still passed to the BUS.
  - If input E2 is set, output A2 is activated. The input will still passed to the BUS.
  - If input E1 is reset, output A1 is switched on via the BUS. The input will still passed to the BUS.
  - If input E2 is reset, output A2 is switched on via the BUS. The input will still passed to the BUS.

• BUS is not working:
  - If input E1 is set, output A1 is activated.
  - If input E2 is set, output A2 is activated.
  - If input E1 is reset, output A1 is reset.
  - If input E2 is reset, output A2 is reset.

Special function DIP switch 9 and 10

• The DIP switches 9 and 10 will not be accostet. They remain on OFF.

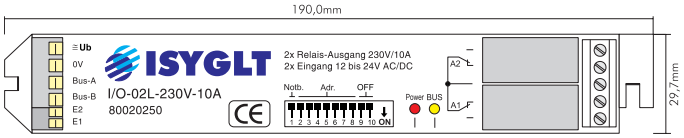
Technical data

Type	I/O-02L-230V-10A
Art. Nr.	80020250
Operating voltage	12V to 35V DC or 12V to 27V AC
Current consumption	max. 150mA at 35V, and with full load on the outputs max. 250mA at 12V, and with full load on the outputs
Inputs	12-48V AC/DC, input current per input 5mA at 24V
Outputs	relay contact 250V load capacity: non-inductive 10A non-inductive 10A bulbs 10A fluorescent lamp uncompensated 6A fluorescent lamp compensated 4A LV halogen via transformer 10A 1-phase motor 0.55kW electronic ballasts manufacturer-specific starting current 100A <20ms !!The starting current of electronic ballasts is up to 100 times the nominal!!
Subnet (RS-485)	max. 5,6V limited by Z-diodes
Dimensions	LxBxH, 190x29,7x28,2mm
Weight	100g
Connection	Spring-cage terminals 2x 0,25 - 0,75mm^2
Operating temperature	-10...+50°C
Storage temperature	-25...+70°C
Humidity	0 ...85 % r.F. non condensing
Protection class	IP20
ESD immunity	Category 3 according to IEC1000-4-2
EMC immunity	Use in typical industrial environment. Category 3 according to IEC-1000-4-4 (Test was carried out within a whole system)
CE mark	yes

Terminal assignment

⎓ Ub	Operating voltage	A2 S	Relay output channel 2 closer
0V	Operating voltage	A2 O	Relay output channel 2 opener
A	Subnet (BUS A, RS-485)	C	Common root
B	Subnet (BUS B, RS-485)	A1 O	Relay output channel 1 opener
E1	Input 1	A1 S	Relay output channel 1 closer
E2	Input 2		

View



Wiring diagram