

## OUT-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 mode func-

tion (see below). 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. The two inputs are only for emergency mode.

### In- / Outputs

- 2 relay outputs changer 230V/10A (on a common root)
- 2 digital inputs (optical coupler) 12-48V AC/DC (only for emergency mode)

### 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 collectively

### Design

- Light grey plastic casing

### Special function DIP switch 1 = emergency mode

#### 1. DIP switch 1 OFF (toggle mode/standard)

- BUS is working:
  - inputs have no effect on the outputs
- BUS is not working:
  - (2x surge switching function: input E1 switches output A1, input E2 switches output A2)

#### 2. DIP switch 1 ON (EMERGENCY MODE)

- BUS is 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 switched on via the BUS.
  - If input E2 is reset, output A2 is switched on via 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 switches 9 and 10

Four of these modules each share one "module address". DIP switches 9 and 10 are used to set the so-called SUB address.

These can be set as follows:

SUB address	DIP-9	DIP-10	corresponds to outputs n in the program	
0	0	0	A**.1	A**.2
1	0	1	A**.3	A**.4
2	1	0	A**.5	A**.6
3	1	1	A**.7	A**.8

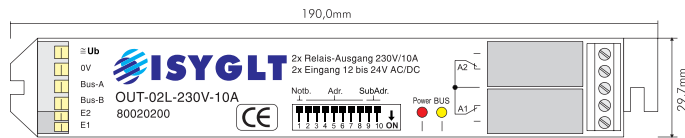
### Technical data

Type	OUT-02L-230V-10A
Art. Nr.	80020200
Operating voltage	12V bis 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 12-48V DC, input current per input 5mA at 24V
Inputs	12-48V DC, input current each 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 terminal 2x 0,25 - 0,75 mm <sup>2</sup> (2,5mm <sup>2</sup> for load)
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

