

## I/O-04U-S



### General

The Under-Plaster I/O module serves to link-up of luminous push-buttons to the subnet. With this module 4 commands can be transferred to the BUS system and 4 dispatches can be issued. The connec-

tion of the buttons and the signal lamp is achieved by tub plug 10 pol. according to DIN 41651, z. B. 4 buttons or switches with with feedback or disconnected signal lamp.

### Inputs / Outputs

- 4 optical coupler outputs, each 24V/20mA
- 4 optical coupler inputs

### Function displays

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

### Connections

- 1 connection for the subnet (BUS A and B, RS-485)
- 1 connection for the operating voltage (Ub, 0V)
- 1 tub plug 10 pole
- 4 outputs
- 4 inputs

### Design

- encapsulated in a plastic yellow cover for installation in conventional under-plaster boxes or external devices

### Specialfunction DIP switch 1

- baudrate
  - switch OFF data transmission rate 38400 Baud
  - switch ON data transmission rate 9600 Baud

### Technical data

Type	I/O-04U-S
Art Nr.	80024005
Operating voltage	12 - 30V DC, 12 – 24V AC
Current consumption	20 - 120mA according to output exposure
Inputs	Wired by 2,2 k (internal) to +5V. Input active by switching (floating contact) to COM E (0V)
Outputs	COM A (Ub-2V) limited to 100mA A1...A4 optical coupler outputs max. 20mA
Subnet (RS-485)	max. 5,6V limited by Z-diodes
Dimensions	DxH 50x20mm
Weight	ca. 90g
Connection	Screw terminals 2,5mm <sup>2</sup> for BUS, or tub plug for EA

## Technical data

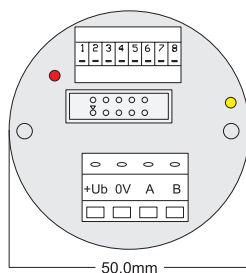
I/O-04U-S	Continued
Operating voltage	-10...+50°C
Storage temperature	-25...+70°C
Humidity	0...85 % r.F. non condensing
Protection class	IP 20
ESD immunity	Category 2 according to IEC 1000-4-2
EMC immunity	Use in typical industrial environment. Category 3 according to IEC-1000-4-4 (Test was carried out within a whole system)
CE mark	yes

## Terminal assignment

≅ Ub	Operating voltage
0V	Operating voltage
A	Subnet (BUS A, RS-485)
B	Subnet (BUS B, RS-485)

SUB-D connector 10pole	wire colour	
PIN 1	brown	COM. outputs
PIN 2	red	input 4
PIN 3	orange	input 2
PIN 4	yellow	input 3
PIN 5	green	output 3
PIN 6	blue	output 2
PIN 7	dark purple	output 1
PIN 8	grey	output 4
PIN 9	white	input 1
PIN 10	black	COM. inputs

## View



Tiefe mit Klemmen 18mm

**Wiring diagram**

