

I/O-02U-5V

General

The Under-Plaster I/O module serves for the coupling of foreign devices, e. g. movement guard with an operating voltage of +5V to the subnet. The regulated operating voltage of +5V will be supplied by the I/O module. With this module 2 commands can be



transferred to the BUS system and 2 dispatches can be issued.

Inputs / Outputs

- 2 optical coupler outputs, each 24V/20mA
- 2 optical coupler inputs
- +5V for foreign devices

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)
- 2 outputs
- 2 inputs
- 1x +5V regulated to supply of foreign devices

Design

- encapsulated in a plastic yellow cover for installation in conventional flush mounted boxes or external devices

Special function DIP switch 1

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

Technical data

Type	I/O-02U-5V
Art. Nr.	80024010
Operating voltage	12V to 27V DC
Current consumption	max. 20-120mA according to output exposure
Inputs	12-30V, 5mA via optical coupler (4,7kOhm)
Referenzspannung	+5V max. 15mA to the supply of foreign devices
Outputs	+Ub – 1V, max. 20mA über OC

Technical data

I/O-02U-5V	Continued
Subnet (RS-485)	max. 5,6V limited by Z-diodes
Dimensions	DxH 50x18mm
Weight	90g
Connection	Screw terminals 2,5mm ² for BUS, in-/output by massive wires 0,8 mm ²
Operating voltage	-10...+50°C
Storage temperature	-25...+70°C
Humidity	0 ...85 % r.F. non condensing
Protection class	IP20
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

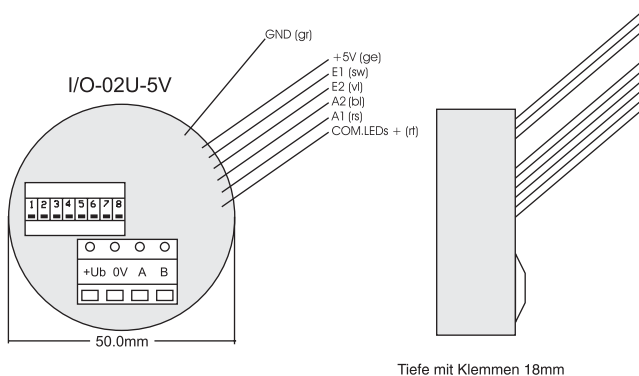
Terminal assignment

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

Wire colour designation

yellow	Reference output voltage +5V
grey	GND Reference voltage
pink	Digital output 1
blue	Digital output 2
dark purple	Digital input 2
black	Digital input 1
red	COM (+) (+Ub -1V)

View



Wiring diagram

