



## CONVERTER F.O./RS485 (RS232C) KON-10

### Monitoring and Control Program

NU-17014E

### Application

Converter KON-10 provides a transition from optical communication media to electrical (RS485 or RS232C) communication line. Converter enables connecting of distributed devices with RS485 (RS232C) communication via optical cable to remote central unit. Likewise, equipment with optical output can be connected to RS485 line or RS232C line by using KON-10.

Converter KON-10 is intended for use in power and industrial plants as well as other objects where it insures fast and reliable data transfer in harsh environment.

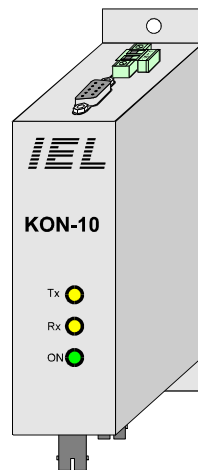


Figure 1. Converter KON-10

### Main features

- data transfer and media conversion independent of communication protocol
- data rate selection 9,6 kbps to 1,5 Mbps by setting DIP-switch S1
- indication of connection and data transfer on optical lines
- line length up to 1500 m for multimode 62,5/125  $\mu\text{m}$  optical cable (G.F.O.) or 60 m for 980/1000  $\mu\text{m}$  multimode optical cable (P.F.O.)
- wide range of power supply voltages
- small dimensions, wall or DIN rail mounting

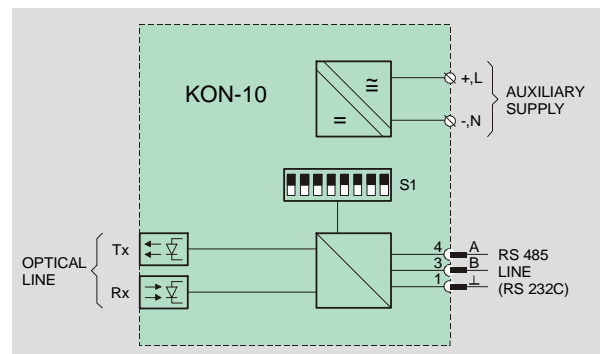


Figure 2. KON-10 terminal diagram

### Technical specifications

**Optical inputs:**

number.....4(5)  
 optical cable.....multimode, 62,5/125  $\mu\text{m}$  (G.F.O.) or  
 multimode, 980/1000  $\mu\text{m}$  (P.F.O.)  
 wavelength.....820 nm or 660nm

**RS485 input:**

cable.....shilded twisted pair  
 LiY-CY 2x0,75mm<sup>2</sup>

**settings:**

data rate.....9,6/19,2/38,4/57,6/115,2/  
 187,5/500/1500 kbaud  
 (DIP switch S1)

**signalling:**

Tx, Rx.....LED yellow  
 Power supply.....LED green

**supply:**

voltage.....24, 48, 110 or 220 VDC  
 110 or 220 VAC  
 consumption.....<3VA

**connection:**...9-pin SubD connector for RS485 (RS232C)  
 ST connectors for optical cable (G.F.O.)  
 Snap in connectors for optical cable (P.F.O.)  
 2x2,5mm<sup>2</sup> plug-in connector for supply

**temperature range:**.....-10°C..+50°C  
**extended temperature range:**.....-20°C..+60°C

**mechanical data:**

mounting.....on DIN rail or on the wall  
 dimensions.....115 x 110 x 65 mm

