

232/422-485 DIN35

Industrial data converter

Highlights

- Converts RS-422/485 to RS-232 interface
- Supports all data rates and formats
- Switching between receive/transmit mode can be triggered automatic (auto TX) or with RTS signal
- Line termination
- LED indication of Rx/Tx data
- Repeater mode, which expands 422-485 line range
- Triple galvanic isolation: RS 232, RS 422-485 and power supplies up to 1.5kV DC
- Power supply range: 7 - 32V DC



Description

232/422-485 is a communication converter intended for connecting serial industrial buses and devices with RS 422-485 connector to PC serial port.

By connecting this module to PC, capacity of “high-speed” RS422-485 ports is additionally extended. Operation mode (two wired/four wired) and data rates are easily set with DIP switch. All ports are mutually galvanic isolated. Power supply is from 7V to 32V DC. Mounting is on industrial DIN 35 rail.

Application

232/422-485 module is suitable for applications in industrial communications and process automation, alarm systems and telemetry. It is used for:

- Interconnecting distributed I/O modules and PLCs to PC;
- Galvanic isolation of PC without COM ports to RS 422-485 networks;
- Range extension of RS 422-485
- Field data readout using laptop.

Technical specification

Communication connectors	RS 232 (female DB9); RS 422-485 (pluggable screw clamp, 8 wires)
Data rate and format	up to 115.2 Kb/s, supports all formats (9-12 bits)
422/485 Line termination	120Ω, turning on/off with DIP switch
Switching receive/transmit	RTS or automatic
Maximum distance	1.2km @ 9600 b/s
LED indicators	PWR, TxD, RxD
Galvanic isolation	1.5kV DC
Power supply	DC 7 - 32V, max 2.5W
Mounting	35mm DIN rail
Operating temperature	-25 to 70°C
Dimensions	90 x 35 x 70mm

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