

# 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

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

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