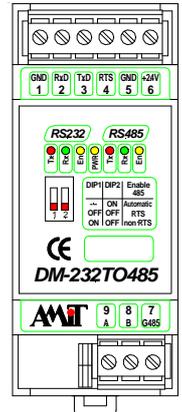


DM-232TO485

RS232/RS485 Converter

- Galvanic separation with soft overvoltage protection
- Transmission rate 0 to 115 kBd
- Automatic or controlled transmission direction
- Line state indicated by LED diodes
- 35 mm DIN rail mounting, power supply 24 V



TECHNICAL DATA

Transmission control	RTS / non RTS / Automatic *)
Transmission rate	0 to 115 kBd
Galvanic separation	Yes **)
Overvoltage protection	Yes (600 W suppressor diodes)
Power supply	10 to 35 V DC
Power consumption (24 V DC)	100 mA DC
Cover protection rate	IP20
Mounting	35 mm DIN rail
Operating temperature	0 to 50 °C
Max. ambient humidity	< 95 % non-condensing
Weight	150 g
Dimensions (w x h x d)	36 x 91 x 73 mm

*) According to the configuration, see table

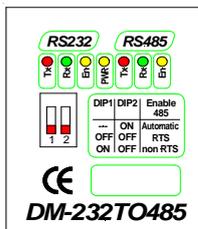
***) Insulation strength 300 V AC / 1 minute, galvanic separation may not be used for safe and unsafe parts separation.

TRANSMISSION CONTROL SETTING

DIP1	DIP2	Option	Assignment
-	ON	Automatic	RS485 line transmitter is activated automatically by Tx signal state
OFF	OFF	RTS	RS485 line transmitter is activated by RTS control signal in LOG 0 state
ON	OFF	non RTS	RS485 line transmitter is activated by RTS control signal in LOG 1 state

The receiver does not repeat the transmitted characters.

SIGNALLING

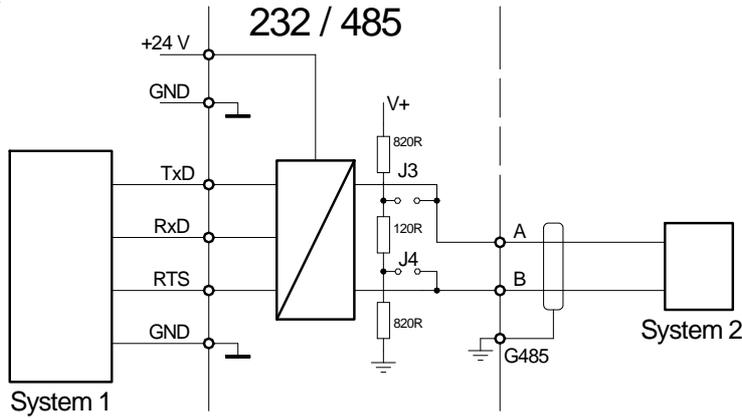


- The Tx LED of relevant line is on when the line transmits LOG 0 state
- The Rx LED of relevant line is on when the line receives LOG 0 state
- The En LED of relevant line is on when the line is active
- PWR LED is on when the module is powered by +24 V DC

ORDERING INFORMATION

DM-232TO485	RS232/RS485 communication line converter, adjustable mode switching, data sheet, warranty card
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CONFIGURATION JUMPERS DESCRIPTION

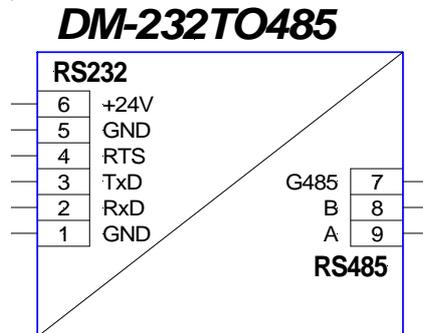


Terminating resistor (jumpers J3 + J4 next to the RS485 connector) are only connected at the segment ends, otherwise are not connected.

RS232 INTERFACE SIGNALS DESCRIPTION

DM-232TO485			System / PC
Terminal	Signal	Signal type	Connect to
1	GND	-	GND
2	RxD	Output	RxD
3	TxD	Input	TxD
4	RTS	Input	RTS

RECOMMENDED DIAGRAM SYMBOL



WIRING EXAMPLE

The signals on the converter are connected to the same signals on the control system.

