MTP

RS-232/RS-485
PROTOCOL TRANSLATOR

APPLICATION

» additional RS-232 bus site monitoring controller extension

FEATURES

» co-operation with remote monitoring system
» galvanic separation
» easy installation
» operation kept to a minimum
» small dimensions

COMMUNICATION

» RS-485 communication with a MSU2 or MRS monitoring controller

CONSTRUCTION

The construction of module allows easy installation in device with DIN35 bus.

DESCRIPTION

The module is used as converter of RS-232 bus to RS-485 bus. The MTP module communicates with MSU-2 or MRS controller using bidirectional RS-485 bus.

The MTP module monitors performance parameters of devices equipped with RS-232 bus such as: UPS power supply, DC power stations, inverters, aggregators, air conditioners.

There is a digital sensor inside the module that measures the ambient temperature.

Nominal supply voltage	12 VDC
Supply voltage range	9 ÷ 14 V
Max power consumption	1 W
Communication bus	RS-485 (full duplex), RS-232
RS-485 max transmission speed	115,2 kb/s
RS-485 impedance	120Ω
RS-485 max length	100 m
RS-485 connector type	2 x RJ45
RS-232 max transmission speed	115,2 kbit/s
RS-232 max length	20 m
RS-232 connector type	DB9
Temperature measurement range	−55 ÷ +125ºC
Temperature measurement accuracy	±0,5ºC in range −10÷+85ºC
Power signal	LED diode – green
Alarm signal	LED diode – red
Ambient temperature	−20 ÷ +50ºC
Relative humidity	90%
International Protection Rating	IP20
Case assured isolation	double
Isolation between circuits	basic
Dimensions (L x H x D)	95 x 36 x 58 mm
Weight	100 g

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