

EMI 1 | 1R

COMMUNICATION DEVICES - RS232/RS485 CONVERTER



EMI 1



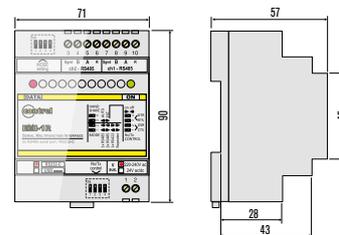
EMI 1R

TECHNICAL CHARACTERISTICS	EMI 1 - 1R
AUXILIARY SUPPLY	
Rated voltage Us	230VAC
Operating limits	±20%
Power consumption	7VA max
Frequency	50 - 60 Hz
RS232 SERIAL INTERFACE	
Data format	Serial asynchronous uart/nrz
Line length	15 m MAX
Type of terminal	DB-9
RS485 SERIAL INTERFACE	
Baud rate	1000 m MAX
	57600 bit/s MAX
USB 2.0	
Consumption	50 mA MAX
Voltage	4.25 ... 5.25 VDC
Terminals	MINI-B
INSULATION	
Insulation voltage	3.7kVAC for 1 minute
AMBIENT CONDITION	
Operating temperature	-20...+60°C
Storage temperature	-20...+80°C
HOUSING	
Version	4 modules
Degree of protection	IP20
Weight	300g
CERTIFICATIONS AND COMPLIANCE	
Reference standards	EN 50081-1, EN 50082-2

OPTIONS	
ORDER CODE	DESCRIPTION
Emi-1	RS232/RS485 converter , opto-isolated, 220-240VAC power supply (110-120VAC on request). Repeater drive for RS485 bus extension.
Emi-1R	RS232/RS485 converter DIN-rail mounting , opto-isolated, 220-240VAC power supply (110-120VAC on request). Repeater drive for RS485 bus extension.
Emi-1R USB	USB/RS485 converter DIN-rail mounting , opto-isolated, 220-240VAC power supply (110-120VAC on request). Repeater drive for RS485 bus extension.

Converter that can interface "slave" devices connected in an RS485 bus with a "master" equipped with RS232 interface port. When configured appropriately, it can also be used as RS485 repeater whenever the devices connected to the bus are many or the maximum distance among the bus devices is longer than the allowed. **Instead RS232 serial interface can provide USB port.**

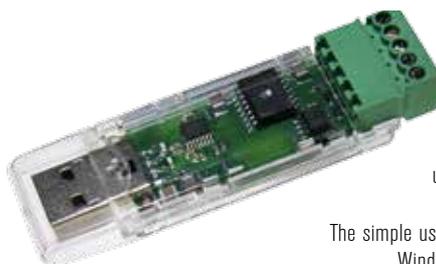
MECHANICAL DIMENSIONS EMI-1R



TECHNICAL CHARACTERISTICS	EMI 1P-USB
AUXILIARY SUPPLY	
Rated voltage Us	From PC 5V @ 100mA
Type of connection	USB
RS485 SERIAL INTERFACE	
Type of terminal	Screw (removable)
Baud-rate	Max baud-rate 500Kbit/s
AMBIENT CONDITION	
Operating temperature	-10...+65°C
Storage temperature	-15...+80°C
HOUSING	
Degree of protection	IP20
Weight	100 g
CERTIFICATIONS AND COMPLIANCE	
Reference standards	EN 61000-6-4 / N 64000-6-2 EN 61010-1 / EN 60742

EMI-1P USB

DIGITAL MEASURING INSTRUMENTS
USB/RS485 CONVERTER



The EMI-1P USB is a Serial Converter Isolated up to 2.5kV, based on chip USB FTDI.

The simple use is guarantee by the Windows validation drivers that you download automatically when you have your PC connected to the network.

This device allow you to connect in safety way to any Modbus devices on RS485.