

E485D – ETHERNET CONVERTER / RS485

Communication module

Basic functions

- Module converts signals from the 10/100M ETHERNET standard to the signals which correspond to RS485 / RS422
- The automatic data control at the RS485 level
- LED indicators present the current communication status on the serial side
- LED indicators present the current communication status on the ETHERNET side
- 2-wire or 4-wire RS485

Application

E485 Module is used to connect a device with a serial RS485 port to the 10/100M ETHERNET grid. Module uses ADDC technology (Automatic Data Direction Control), so that there is no need for any additional communication control signals. There is no galvanic isolation between the power supply and RS485 side.

Design

Cabur CH boxes (dimension WxDxH 24x85x121mm)

Connections

UTP RJ45 for ETHERNET, a 5-pin strip with screws for RS485 and a 2 - pin strip for the power supply

Technical specifications

Operating temperature	[-20÷50]°C
Operating humidity	5 to 95% RH
Power supply	5V DC/DC internal
Consumption	300mA@5V 230mA typical

PIN Layout

CON.1		
PIN	Description	Description
	2 - wire	4 - wire
16	NC	R+
17	NC	R-

CON.2		
PIN	Description	Description
	2 - wire	4 - wire
18	A	T+
19	B	T-
20	C	Common

CON.3	
PIN	Description
21	+5V
22	GND5V

SWITCH1		
PIN	Description	Description
	2 - wire	4 - wire
1	=ON	=OFF
2	=ON	=OFF

