

FW485 – CONVERTER RS232/ RS485

Communication module

Basic functions

- Module converts signals from the RS232C standard to the signals corresponding to RS485 / RS422
- The automatic data control at the RS485 level
- LED indicators present the communication status on the serial side
- 2-wire or 4-wire RS485 semi-duplex

Application

FW485 Module connects devices with serial RS232 port to the RS485 bus either as two-wire or four-wire connection. The module uses ADDC technology (Automatic Data Direction Control), thus any additional communication control signals are not required. There is no galvanic isolation between the power supply and RS485 side. However, there is galvanic isolation between RS232 side and the power supply.

Design

Cabur CH boxes (dimensions WxDxH 24x85x121mm)

Connections

There are a 3-pin strip on the bottom for RS232, and a 5-pin strip on the top with screws for RS485 and a 2-pin strip for the power supply

Technical specifications

Operating temperature	0-50°C
Operating humidity	5 to 95% RH
Power supply	5V DC/DC internal
Consumption	100mA@5V

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	joint signal point RS485

CON.3	
PIN	Description
21	+5V
22	GND5V

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

CON.4		
PIN	Description	Description
	RS232	
10	Rxd	reception
11	Txd	transmission
12	Gnd232	joint signal point RS232

