

## 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

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

#### PIN Layout

CON.1			CON.2			CON.3		SWITCH1			CON.4		
PIN	Description	Description	PIN	Description	Description	PIN	Description	PIN	Description	Description	PIN	Description	Description
	2 - wire	4 - wire		2 - wire	4 - wire	21	+5V		2 - wire	4 - wire			
16	NC	R+	18	A	T+	22	GND5V	1	=ON	=OFF	10	Rxd	reception
17	NC	R-	19	B	T-			2	=ON	=OFF	11	Txd	transmission
			20	C	joint signal point RS485						12	Gnd232	joint signal point RS232

