

### STANDARD SETTING (for both channels)

terminator (RS485, RS485/1)  
connected signals  
signals A, B connected  
hold line (pull-up, pull-down)

120 Ω  
**A, B, A1, B1  
to front panel  
connected**

### TECHNICAL DATA

maximal transfer rate	3 Mb/s
maximal line length	1 200 m
galvanic separation	1 kV
transmitter deactivation while error	WATCH DOG
terminator	120 Ω
connector RS485 – front panel	DB9F
connector power supply – back	DIN 64 M
number of fully independent channels	2
overvoltage (soft) protection – line RS485	600W/1ms
overvoltage (soft) protection – power supply	600W/1ms
power supply polarity inversion protection	diode
optical indication (LED)	green transfer ← green transfer →
power supply	9 - 30 V DC
power consumption	max 4 W
front panel	4 TE
operating temperature	0 to 70 °C
storage temperature	-40 to 100 °C
board size	160 x 100mm
dimension (l x h)	190 x 130mm

### MANUFACTURER AND SUPPLIER



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## EUR 485R

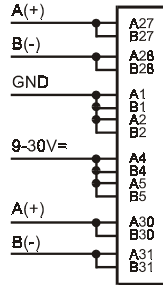
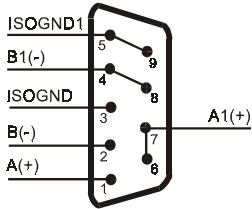
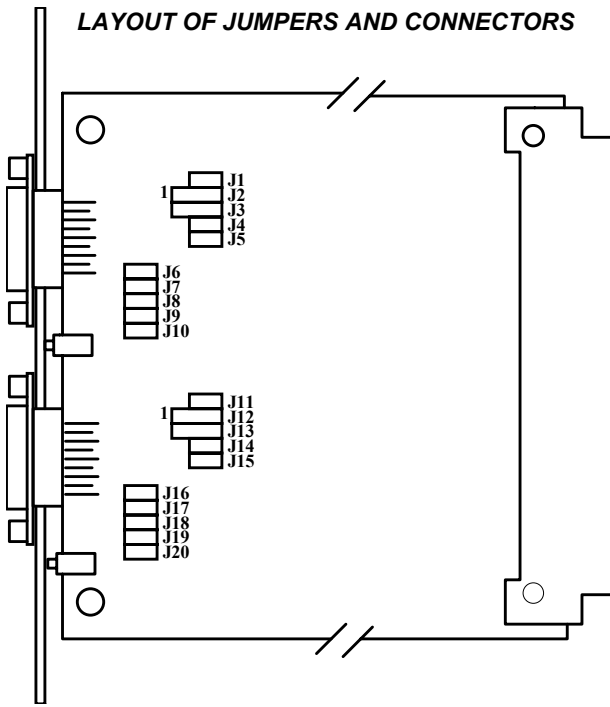
*isolated two-channel RS485 repeater*

### CONDITIONS OF WARRANTY

ComErgon Ltd. provides full warranty of 12 month for serial interface module EUR 485R, starting on the day of purchase. The warranty is except for the cases in which the functioning of the module has been affected by faulty manipulation, natural catastrophes or other external factors.



## LAYOUT OF JUMPERS AND CONNECTORS



## SELECTION OF OPERATING MODES

JUMPER	POSITION	FUNCTION
LINE PARAMETERS, TERMINATOR		
J1 (J11)	ON *	hold line (pull-down)
J2 (J12)	1 - 2	connected signal B to front
	2 - 3	connected signal B to back
J3 (J13)	1 - 2	connected signal A to front
	2 - 3	connected signal A to back
J4 (J14)	ON *	terminator 120 Ω
J5 (J15)	ON *	hold line (pull-up)
J6 (J16)	ON *	hold line (pull-down)
J7 (J17)	ON *	terminator 120 Ω
J8 (J18)	ON *	connected signal B1
J9 (J19)	ON *	connected signal A1
J10 (J20)	ON *	hold line (pull-up)

\*ON – jumper connected, OFF – jumper disconnected  
**J1, J2, J3, J4, J5** setting for RS485  
**J6, J7, J8, J9, J10** setting for RS485/1

## CONFIGURATION OF RS485 LINE

