TECHNICAL DATA

maximal transfer rate	3 Mb/s
maximal line length	1 200 m
galvanic separation	1 kV
transmitter deactivation while error	WATCH DOG
selectable terminator	120 Ω
connector RS485	screw
connector power supply	screw
number of transmitters/receivers	2 + 2
overvoltage (soft) protection – line RS485	600W/1ms
overvoltage (soft) protection – power supply	600W/1ms
power supply polarity inversion protection	diode
optical indication (LED)	red PWR
	yellow transfer ←
	green transfer →
power supply	9 - 30 V DC
power consumption	max 1.5 W
dimensions	90 x 36 x 58mm

do not need setting of transfer rate and protocol parameters

DIN 2.2/485R

isolated RS485 repeater

CONDITIONS OF WARRANTY

ComErgon Ltd. provides full warranty of 12 month for serial interface module DIN 2.2/485R, starting on the day of purchase.
Tha 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

RS - 485

A	B	ISOGND	A	B	ISOGND
1	2	3	4	5	6

● PWR

J1
J2
J3   J5A
J4   J4A
J5   J3A
🟢 →   J2A
🟡 ←   J1A

1	2	3	4	5	6

A1   B1   ISOGND1   GND   GND   DC 9-30 V
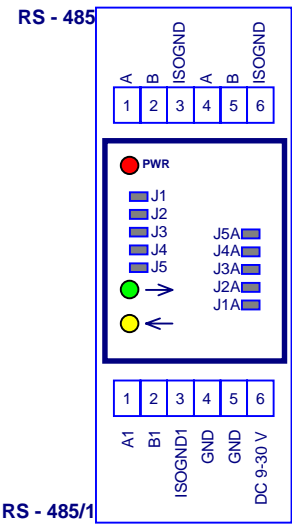
RS - 485/1

STANDARD SETTING

terminator (RS485, RS485/1)   **120 Ω**
connected signals   **A, B, A1, B1**
hold line   **connected**
(pull-up, pull-down)

SELECTION OF OPERATING MODES

JUMPER	POSITION	FUNCTION
		LINE PARAMETERS, TERMINATOR
J1 (J1A)	ON *	connected signal B (B1)
J2 (J2A)	ON *	connected signal A (A1)
J3 (J3A)	ON *	hold line (pull-up)
J4 (J4A)	ON *	hold line (pull-down)
J5 (J5A)	ON *	terminator 120 Ω

* **ON** – *jumper connected*, **OFF** – *jumper disconnected*

J1, J2, J3, J4, J5   **setting for RS485**
J1A, J2A, J3A, J4A, J5A   **setting for RS485/1**

CONFIGURATION OF RS485 LINE