STANDARD SETTING

receiver control	**RTS log 0**
transmitter control	**RTS log 1**
terminator	**120** Ω
pull-up, pull-down	**connected**

TECHNICAL DATA

max. transfer rate	115 kBd
max. line length	1 200 m
isolation	1 kV
selectable terminator	120Ω
connector RS232c, PWR	screw
connector RS422	screw
operating mode selection	rotary switch
overvoltage (soft) protection - RS485	600W/1ms
overvoltage (soft) protection – PWR	600W/1ms
polarity inversion protection	diode
optical indication (LED)	red PWR
	yellow RxD
	green TxD
power supply	9 - 30 V DC
power consumption	max 1.2 W
dimension	90 x 36 x 58mm

DIN 2.4/422

isolated converter

RS 232c ◄► RS 422

CONDITIONS OF WARRANTY

ComErgon Ltd. provides full warranty of 12 month for serial interface module DIN 2.4/422 starting on the day of purchase.
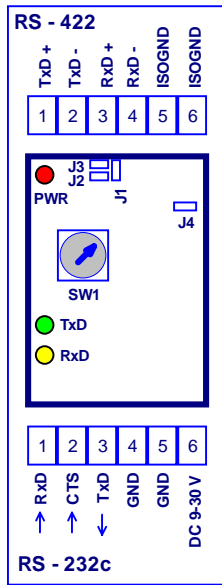The warranty is except for the cases in which the functioning of the module has been affected by faulty manipulation, natural catastrophes or other external factors.
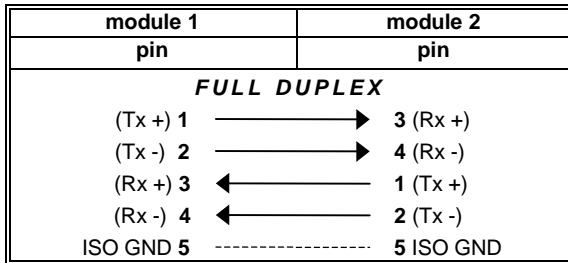
LAYOUT OF JUMPERS AND CONNECTORS

RS - 422

TxD +	TxD -	RxD +	RxD -	ISOGND	ISOGND
1	2	3	4	5	6

● PWR
J3 J2 J1
J4
SW1
● TxD
● RxD

1	2	3	4	5	6
RxD ↑	CTS ↑	TxD ↓	GND	GND	DC 9-30 V

RS - 232c

INTERCONNECTION OF MODULES

module 1	module 2
pin	**pin**
F U L L D U P L E X	
(Tx +) **1** ⟶	**3** (Rx +)
(Tx -) **2** ⟶	**4** (Rx -)
(Rx +) **3** ⟵	**1** (Tx +)
(Rx -) **4** ⟵	**2** (Tx -)
ISO GND **5** ------------------	**5** ISO GND

SELECTION OF OPERATING MODES

SW1	TRANSMITTER CONTROL	RECEIVER CONTROL	120Ω+ pull-up, down for RECEIVER
0	RTS log1	RTS log0	disconnected
1	RTS log0	RTS log1	disconnected
2	RTS log1	permanent	disconnected
3	RTS log0	permanent	disconnected
4	TxD	inverse to TxD	disconnected
5	TxD	permanent	disconnected
6	permanent	permanent	disconnected
7	not allowed	not allowed	disconnected
8	RTS log1	RTS log0	connected
9	RTS log0	RTS log1	connected
A	RTS log1	permanent	connected
B	RTS log0	permanent	connected
C	TxD	inverse to TxD	connected
D	TxD	permanent	connected
E	permanent	permanent	connected
F	not allowed	not allowed	connected

*When **J4** is disconnected it is possible to disconnect terminator while pull-up and pull-down are still connected (only for position **8** to **F** of **SW1**)*

SETTING FOR TRANSMITTER

JUMPER	PIN	FUNCTION
TERMINATOR, PULL-UP, PULL-DOWN FOR TRANSMITTER		
J1	ON	terminator 120 Ω
J2	ON	pull – up
J3	ON	pull - down