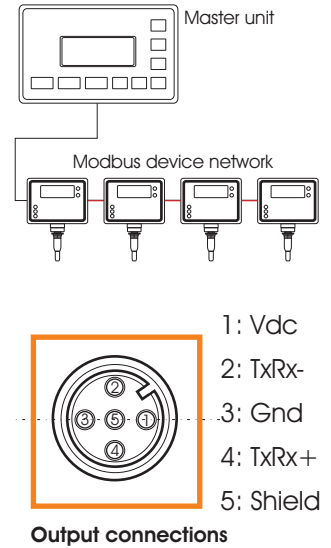
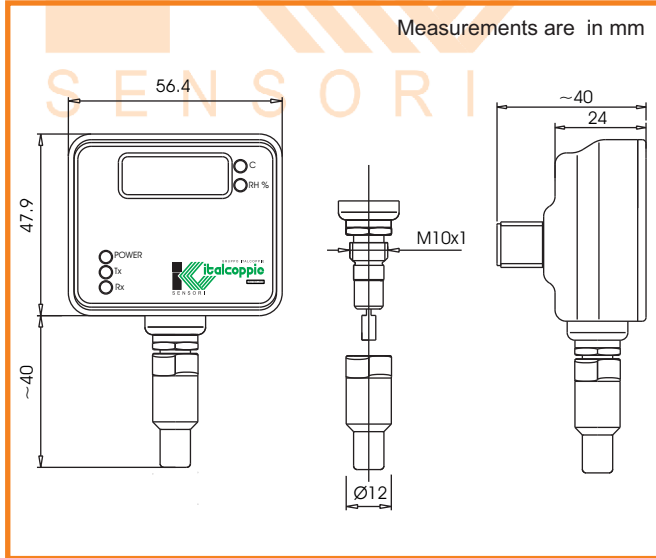


EVO SER-UC TEMPERATURE AND HUMIDITY SENSOR WITH RS485 SERIAL OUTPUT (MODBUS RTU) MODEL FOR ENVIRONMENT

By a single cable, it is possible create a sensors network and interfacing them directly to a PLC or a PC equipped with a supervisory software (SCADA). The connection between the devices is realized with M12 connectors for rapid installation without errors and with degree of protection IP67. The filter is removable to be simply cleaned.



TECHNICAL DATA

Body:

Thermoplastic material color gray

Connectors:

N° 2 M12-5 pole male in accordance to VDE0627

Sensor:

Digital sensor model SENSIRION STH75

Range: -40 ÷ 120°C for temperature and 0 ÷ 100% for relative humidity RH

Tmax. electronic: 65°C

Filter dimensions:

Diameter: Ø12mm

AISI 316 stainless steel filter, removable to be simply cleaned

Sensor break monitoring:

Blink of the green led Power

Output:

RS485 serial interface (not isolated)

Communication protocol: Modbus RTU (max. baud rate 38.400bps)

Max. connection distance: 1.200 m. (*)

Max. number of devices on the network: 32

(*) The max distance is in according to power supply and type of cable used to connect the devices

Isolation Input/Output::

None

Power supply:

12 ÷ 30Vdc (polarity protected)

Consumption: 0,25W without display, 0,5W with display

Enviroments conditions:

Temperature: -20 ÷ 65°C (for plastic body)

Relative humidity: 0 ÷ 100%

EMC: in accordance to IEC 61326

Degree of protection:

IP65 and IP67 in accordance to IEC 60529

Accuracy:

Take as reference the graphs

Response time:

<30 sec. without filter

Main parameters:

Temperature °C

Humidity % RH

Max. and Min. temperature & Humidity peaks

Bias to adjust the measurements

Watch dog serial communication and power-on

Device programming:

Through the kit EVOSERSET or using an USB-RS485 converter and the software application EVOSER CONF

Options:

4 digits display, wall-mounting bracket, cable with integrated M12 connectors

Note:

Available also with probe for duct (EvoSer-UI)

CODE TO ORDER:

EVO SER UC#		X
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DISPLAY

Si	D
No	N

