

## Instruction Sheet

### 1 PREPARATIONS

#### 1.1 Important

read these instructions carefully before installation and use and follow all warnings for installation and electrical connection. Keep these instructions with the transducer for future reference

#### 1.2 Installation

It is done on the wall, with the hook and screws provided (see drawing 1)

##### Warnings for installation

- place the transducer as shown in the drawing
- ensure that the operating conditions (ambient temperature, humidity, etc.) are within the limits indicated in the technical data
- do not install the transducer near heat sources (heaters, hot air ducts, etc.), places subject to direct sunlight, rain, excessive dust, mechanical vibration or shock, or devices with strong magnets (large diffusers, etc.)
- if the transducer is installed in dusty locations, periodically clean the protective cover (unscrew the cover from the transducer body and clean it using low pressure compressed air or distilled water)

#### 1.3 Electrical connection

##### Warnings for electrical connections

- The temperature section works only if the humidity section is connected correctly.
- if the transducer is moved from a cold to a warm location, moisture can condense inside; wait about an hour before feeding the transducer.

- make sure that the operational supply voltage of the transducer corresponds to that supplied by the connected instrument.
- disconnect the transducer before proceeding with any maintenance.
- for repairs and information regarding the transducer, contact the sales network.

#### 1.4 Programming the connected instrument

- set the parameter "minimum value of the humidity transducer calibration corresponding to 4mA" to 0
  - set the parameter "maximum value of the humidity transducer calibration corresponding to 20 mA" to 100
  - set the parameter "minimum temperature transducer calibration value corresponding to 4 mA" to -30
  - set the parameter "maximum value of the temperature transducer calibration corresponding to 20 mA" to 70.
- If the transducer is installed to replace another model, make sure that the "minimum 4 mA humidity transducer calibration value" and the "maximum 20 mA humidity transducer calibration value" parameters are set correctly.

### 2 TECHNICAL DATA

#### 2.1 Technical data

Container: self-extinguishing grey.

Degree of protection of the transducer body: IP 65.

Connections: 4-wire cable, 1.5 m long.

Operating temperature: from -10 to +70°C.

Sensor response time: less than 30 seconds

Power supply: 8...24 Vdc.

Protection against polarity inversion: built-in.

Maximum load: [(supply voltage 8 Vdc) / 0.02 A] ± 50 W

#### 2.2 Moisture section

Sensor type: digital

Calibration: 0/100 % R.H. (corresponding to 4 and 20 mA)

Measuring range: 5 to 95 % R.H.

Accuracy: ±3% R.H. between 20 and 80% R.H., for the rest of the range is ±5% R.H.

Output: 4...20 mA.

#### 2.3 Temperature section

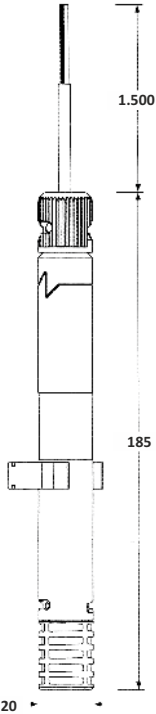
Type of sensor: digital.

Calibration: -30 to +70°C (corresponding to 4 and 20 mA).

Measurement range: from -10 to 70°C

Accuracy: ± 1.5°C

Output: 4...20 mA



#### Humidity section

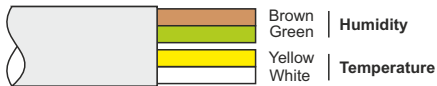
• brown wire: +V (8...24 vcc)

• green wire: output (4...20 mA)

#### Temperature section

• yellow wire: +V (8...24 Vdc)

• white wire output (4...20 mA)



### Guarantee Conditions

This device has a 3-year warranty, which is limited to the replacement of the defective part.

We do not accept any responsibility for damaged devices resulting from improper handling.

It is not included in the guarantee:

- Devices whose serial number has been damaged, erased or modified.
- Devices whose connection or use has not been carried out in accordance with the instructions enclosed with the device.
- Devices modified without prior agreement with the manufacturer.
- Devices whose deterioration is due to impact or liquid or gaseous emissions.

#### VERY IMPORTANT!:

Before opening the box, to access the connections, be sure to disconnect the voltage.

This regulator is not a safety device, nor can it be used as such, it is the responsibility of the installer to incorporate adequate protection for each type of installation (approved).

Control device for independent surface mounting, and connection by means of fixed piping.

Subject to change without notice.

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