



TASSERON THHOSD5B Humidity Sensors with Temp Transmitter Instruction Manual

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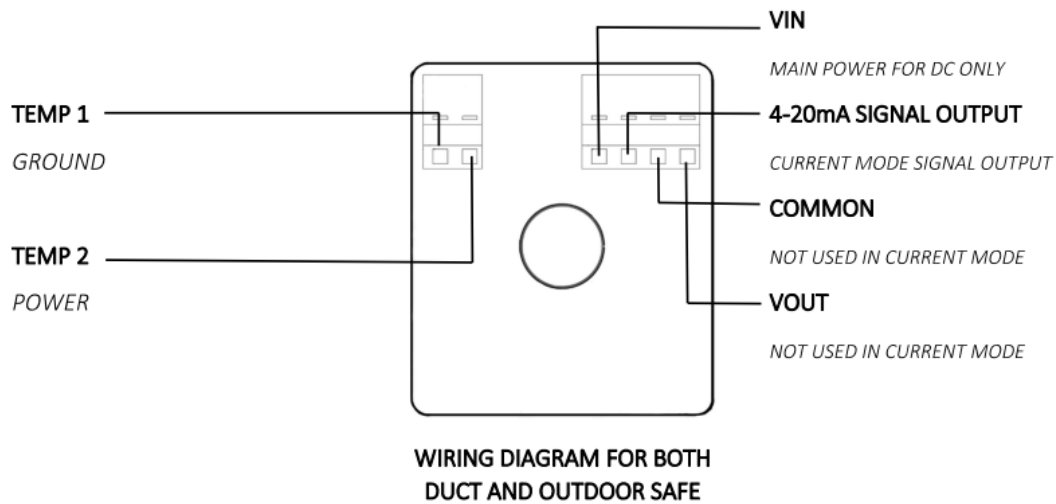
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TASSERON THHOSD5B Humidity Sensors with Temp Transmitter



Overview



Technical Data

- Transmitter Element: Pt1000 IEC 751
- Loop Supply Voltage: 8 – 36 VDC, 100 Ohm load 10.5 – 36 VDC, 250 Ohm load 14.25 – 36 VDC
- Supply Current: 4 – 24 mA
- Resolution: 0.05% FS
- Accuracy: 0.1% – 0.4% FSR
- Connection: 2-pole AWG 22-16 / 0.35 – 1.5mm² spring-loaded, Quick Connect Terminals
- Operating Env. – 25°C- 50°C
- Temp. Transmitter Ranges:
 - Range 1 (Range T): 0°C – 100°C / 32°F – 212°F
 - Range 2 (Range U): -7°C – 49°C / 20°F – 120°F
 - Range 3 (Range V): -18°C – 38°C / 0°F – 100°F

Configuration Instructions for Tasseron Humidity Sensors

For an optional passive temperature sensor, connect one wire to each quick-connect terminal labeled “TEMP” (non-polar).

Instructions for 4 to 20 mA Output

Terminal	Function
TEMP 1	GROUND
TEMP 2	POWER
VIN	Main power – DC only
4-20mA	Current mode signal output
COM	(not used in current mode)
VOUT	(not used in current mode)

DIP Switch Configuration



Step 1

Be sure the white Output mode DIP switches are in the proper configuration. For 4-20mA output, DIP switch #2 must be in the LEFT position. Switch #1 has no function in this mode.

Step 2

Terminate control wires in quick connects as indicated in the table above. Only 2 wires are needed for 4-20mA output mode; main power supply and signal output. These wires terminate at “VIN” and “4-20mA”.

Step 3

Power on control.

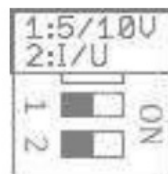
Instructions for 0-5V or 0-10V Output

Terminal	Function
TEMP 1	GROUND
TEMP 2	POWER
VIN	Main power – AC or DC
4-20mA	(not used in voltage mode)
COM	Common
VOUT	Voltage signal output

DIP Switch Configuration



0-5V Output



0-10V Output

Step 1

Be sure the white Output mode DIP switch is in the proper configuration. For 0-5V output, DIP switch #1 must be in the LEFT position and DIP switch #2 must be in the RIGHT position. For 0-10V output, both #1 and #2 DIP switches must be in the RIGHT positions.

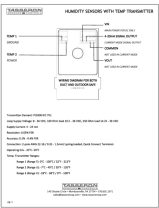
Step 2

Terminate control wires in quick connects as indicated in the table above. Three wires are needed for the Voltage output mode; main power supply (VIN), Common (COM), and signal output (VOUT).

Step 3

Power on control.

Documents / Resources

	TASSERON THHOSD5B Humidity Sensors with Temp Transmitter [pdf] Instruction Manual THHOSD5B Humidity Sensors with Temp Transmitter, THHOSD5B, Humidity Sensors with Temp Transmitter, Sensors with Temp Transmitter, Temp Transmitter, Transmitter
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References

- [User Manual](#)