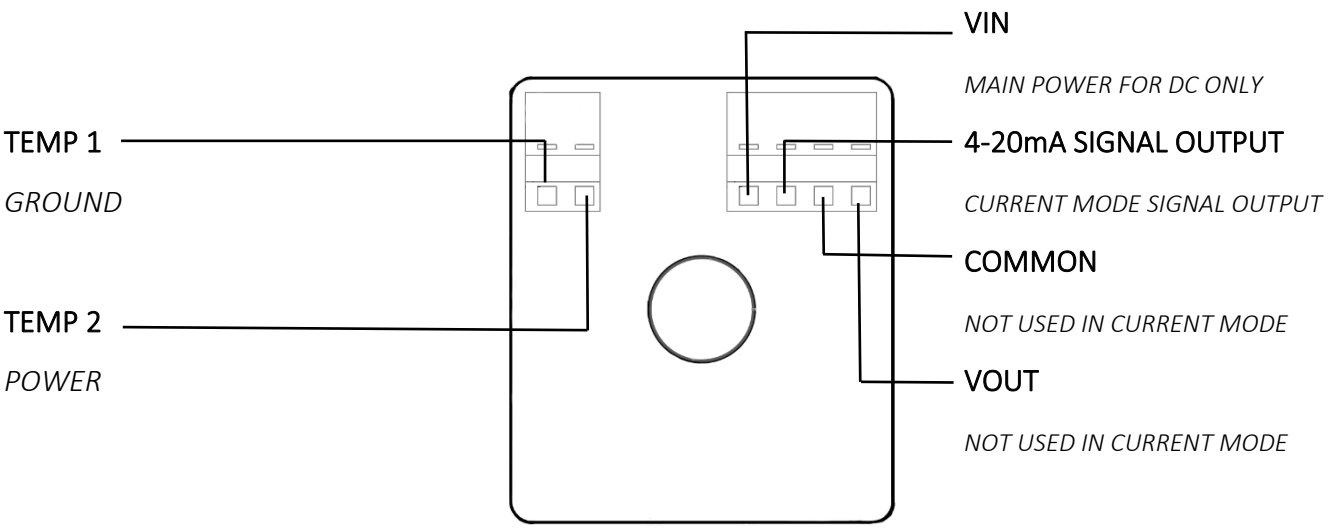
HUMIDITY SENSORS WITH TEMP TRANSMITTER



WIRING DIAGRAM FOR BOTH
DUCT AND OUTDOOR SAFE

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% FSR

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

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Configuration Instructions for Tasseron Humidity Sensors:

For 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.

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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 Voltage output mode; main power supply (VIN), Common (COM), and signal output (VOUT).

Step 3 – Power on control.

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