



Room Humidity Sensor

The Wall Mounted Room Humidity Sensor is designed to measure internal relative humidity with an option for measurement of temperature. Available with 4-20mA or 0-10V outputs for humidity and combined temperature. The sensor is also available with thermistor or RTD for temperature.

Specification

Material Body:	Flame Retardant Polycarbonate
Sensing Elements:	Monolithic integrated circuit Alternative Thermistor or RTD for temperature
Supply:	18 to 30v DC for 4-20mA LP 24V AC/DC \pm 15% Voltage Sensors
Outputs:	4-20mA > 100 ohms 0-10V (3mA) Optional Thermistor or RTD temperature
Output Scale Range:	Humidity 0-100% RH Temperature 0-50 °C
Accuracy :	Humidity \pm 2% Temperature \pm 0.3°C
Operating Temperature:	-5 to + 70°C
Operating Humidity:	0-95% Non condensing
Terminals:	1.0mm recommended
Dimensions:	80mm high, 80mm wide, 29mm deep
Product Code:	See Below

Product Codes

Sensor Type	Product Code
Room Humidity Sensor (4-20mA)	TPRH
Room Temp and Humidity 4-20mA Loop Powered	TPRH/LP
Room Temp (thermistor) and Humidity (4-20mA)	TPRH-RT (state thermistor or RTD)
Room Humidity Sensor (0-10V)	TPVRH
Room Temp and Humidity (0-10V)	TPVRHT
Room Temp (thermistor) and Humidity (0-10V)	TPVRH-RT (state thermistor or RTD)

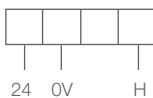
Connections

Humidity only

4-20mA Humidity only
Note: DC Supply only



0-10V Humidity only
Note: AC/DC supply

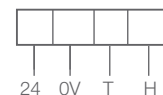


4-20mA loop
Powered output

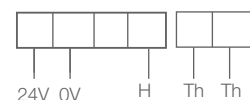


Note: Connections are non-polarised

0-10V Humidity/temp
AC/DC supply



0-10V with Thermistor
or RTD for temperature



Dimensions

