Room Temperature Sensor

The Titan Products room temperature sensor is designed for the measurement of internal room temperature conditions.

The sensor can be supplied with or without a local potentiometer for setpoint adjustment. The sensor is available with a range of temperature measurement elements.

Specification

Material Body:	Flame retardant polycarbonate
Sensing Elements:	See below
Accuracy:	+/-0.2˚C @ 70˚C thermistor +/-0.4˚C (4-20mA) +/-0.5˚C (0-10V)
Operating Temperature:	-50 - +70˚C
Terminals:	1.0mm recommended 2.5mm max.
Location:	Wall mounted 1.5m from floor level
Dimensions (mm):	90H x 80W x 29D
Protection:	IP20
Country of Origin:	UK
Product Code:	See below

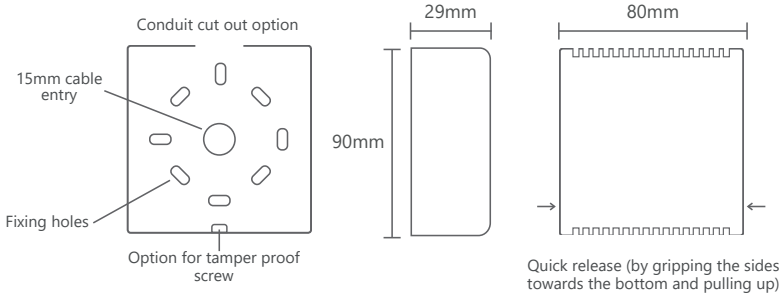
Product codes

Element Type	System Compatibility	Standard Room Product Codes	Setpoint Adjuster (LCR) Product Codes	Accuracy
10K3A1	Trend / Jel / Honeywell / Aquatrol 2000 / Ambiflex / Next / Smart / York	TPTRS	TPTLCR	+/- 0.2˚C
10K4A1	Andover / Automatrix / York / Siebe	TPARS	TPALCR	+/- 0.2˚C
20K6A1	Honeywell	TPHRS	TPHLCR	+/- 0.2˚C
Ni1000	Landis & Gyr	TPRS/Ni1000	TPLCR/Ni1000	+/- 0.3˚C
PT1000	PT1000	TPPT3RS	TPPT3LCR	+/- 0.3˚C
4-20mA	2 Wire Loop Powered	TPRS/40 (-10 - +40˚C)*	TPRS/40/LCR (-10 - +40˚C)**	+/- 0.4˚C
0-10V	3 Wire 24V Supply	TPVRS (0 - 40˚C)	TPVRS/LCR (0 - 40˚C)	+/- 0.5˚C

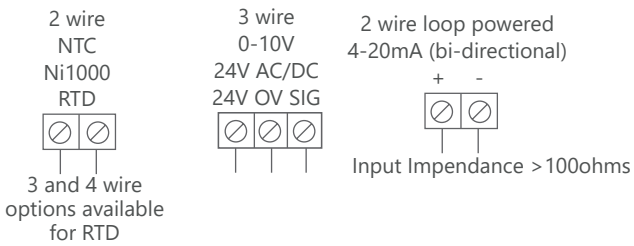
Other element types available on request. Contact Titan Products for details and options.

* Other ranges are avalable on request.
** All LCR models have a resistive output of 1-11k for setpoint adjust

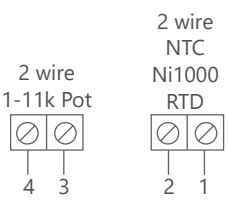
Dimensions



Wiring



LCR Wiring



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