

EuroSeries

Outdoor Temperature Sensors

PRODUCT INSTALLATION DATA

GENERAL

The Tasseron Euro Series Outdoor Temperature Sensor provides a high quality solution for both commercial and industrial applications. The Euro housing offers weatherproof NEMA 4X/IP 66 ratings and is produced with injection-molded PC/ABS material with UV resistance.

The available measuring elements interface with most major control manufacturers. Accurate thermistors and RTDs ensure low drift and are double encapsulated to guarantee the highest reliability in the field. The installed, high quality, closed cell foam ensures sealing of the probe insert and absorption of vibration. The Hinged Snap Cover and Quick Connect wire terminals make installation easy and reduces installation costs.

The Euro Series is also available with multiple temperature transmitter ranges with 4-20mA analog output.

FEATURES

- Durable NEMA 4X/IP66 injection-molded watertight enclosure
- Hinged removable snap cover
- Quick Connect wire terminals eliminate wire nuts
- NTC thermistors, RTD elements or temperature Transmitters available
- 1/2" NPT conduit adapter and cable gland included
- Compatible with most control systems
- CE & RoHS compliant
- 5 year limited warranty
- Made in the USA

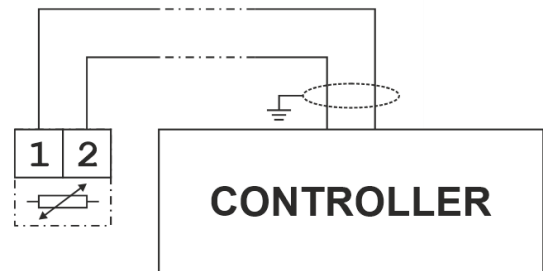
SPECIFICATIONS

Enclosure:	NEMA 4X/IP 66, injection-molded PC/ABS UL 94 V-0
Cover:	Tool-free quick snap
Mounting:	Direct wall or surface, 2-screw
Connection:	2 pole AWG 22-16 / 0.35—1.5mm ² spring-loaded, Quick Connect wire terminals
Sensor Element:	Interchangeable NTC thermistor, 2-wire RTD Pt1000, 2 wire RTD Ni1000-891, 2 wire RTD Ni1000-TC5, 2 wire
Sensor Value:	NTC 10K Ohm type 2 @ 25°C / 77°F NTC 10K Ohm type 3 @ 25°C / 77°F NTC 20K Ohm @ 25°C / 77°F NTC 3K Ohm @ 25°C / 77°F RTD Pt1000 1000 Ohm @ 0°C / 32°F RTD Pt100 100 Ohm @ 0°C / 32°F RTD Ni1000-891 891 Ohm @ 0°C / 32°F RTD Ni1000-TC5 1000 Ohm @ 0°C / 32°F (Other elements on request)
Accuracy:	NTC thermistor 0...70°C ± 0.2°C / 32...158°F ± 0.36°F Pt100 / Pt1000 Class B IEC751, ± 0.3°C / ± 0.5°F @ 0°C / 32°F Ni1000 DIN 43760, ± 0.5°C / ± 0.9°F @ 0°C / 32°F
Range:	-40...105°C / -40...221°F
Accessories:	M16 Cable Gland M16 to 1/2" NPT Conduit Adapter

TEMPERATURE TRANSMITTERS ONLY:

Transmitter Element:	Pt1000 Class-A
Loop Supply Voltage:	10- 35 VDC
Output Current:	500 Ohm load 10 - 36 VDC
Accuracy:	4 - 20 mA
Connection:	0.2% FSR
Connector:	2-pole AWG 30-16 / 0.2 - 1.5mm ² spring-loaded 3.81mm Quick Connect wire terminals
Temp. Transmitter Ranges:	1—V+ 2—T
	Range 1 "X" : -40...+70°C / -40...158°F (Default)
	Range 2 "W" : 0...+50°C / +32...122°F
	Range 3 "T" : 0...100°C / +32...+212°F
	Range 4 "U" : +20.7...+48.9°C / +20...+120°F
	Range 5 "V" : -17.8...37.8°C / 0+100°F

WIRING



MOUNTING / DIMENSIONS

