

TED-Ambient

EEx ed Ambient Sensing Thermostat

Product Specifications

Application . . .

Electric Heat Tracing Control

The TED-Ambient thermostat is designed to provide ambient sensing control of electric heat tracing circuits for freeze protection of piping and vessels. This adjustable thermostat can be used to control a single heating circuit or as pilot control of a contactor switching multiple heat tracing circuits.

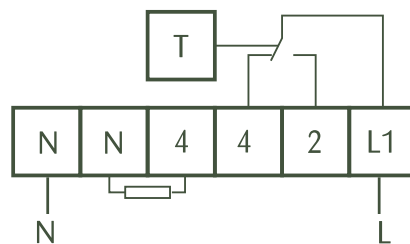
A rugged nonmetallic enclosure provides watertight and dusttight protection (per IP66) to the thermostat switch. External hardware is stainless steel.

The TED-Ambient thermostat is approved for use in ordinary (nonclassified) areas and are certified to the ATEX directive for use in Category 2 and 3 (Zone 1 and 2) classified areas.

Ratings/Specifications . . .

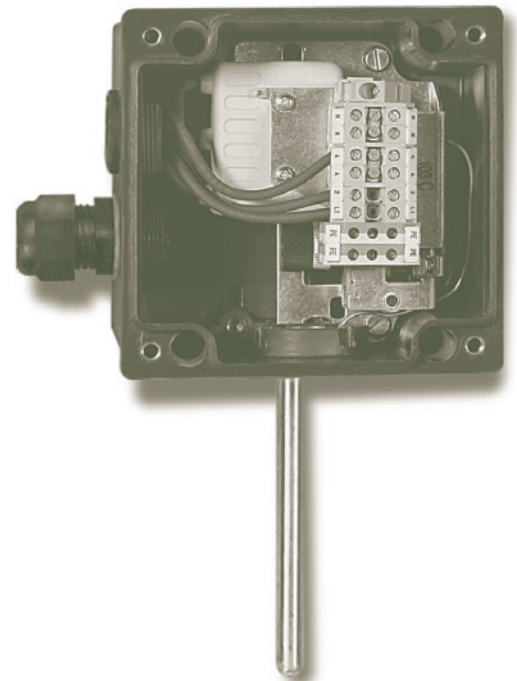
Voltage rating.....	250 Vac
Switch rating.....	16 A (Ohmic), NC contact
Switch type	SPDT
Ambient temperature range:	-30° to +55° C
Electrical connection ¹	terminal block ²
Adjustable control range	-20°C to 50°C
Maximum control differential/accuracy.....	3-5%/+0 to -3K
Maximum bulb exposure temperature.....	60°C
Bulb dimensions.....	10 x 120 mm
Bulb material.....	stainless steel
Approximate weight.....	1.5 kg
Max. electrical switching frequency.....	180 cycles/hour
Electrical durability operating cycles.....	min. 100.000 cycles
Mechanical durability oper. cycles.....	min. 300.000 cycles

Typical Wiring Diagram . . .

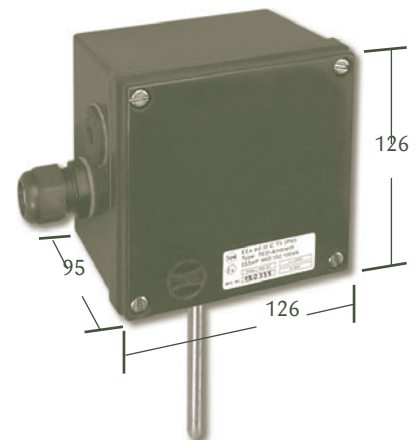


Notes . . .

1. The TED-Ambient utilises two M25 entries and is shipped with an M25-HPT/PWR-Exe EEx e approved power gland and an M25-B-Exe EEx e approved blind plug. Refer to Form TEP0057U for additional accessories.
2. Terminal block consists of six 4-mm² line/load terminals and two 4-mm² PE terminal.



TED-Ambient (with cover removed)



Certification/Approval . . .

CENELEC European Organisation for Electrotechnical Standardisation
Hazardous (Classified) Locations

CE **Ex** II 2 G EEx ed IIC T5 Demko 02 ATEX 132023X

TED-Ambient has additional hazardous area approvals including:

- GGTN • Kazakhstan



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