

# T-Ambient

## EEx d Ambient Sensing Thermostat

Product Specifications

### Application . . .

#### Electric Heat Tracing Control

The T-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.

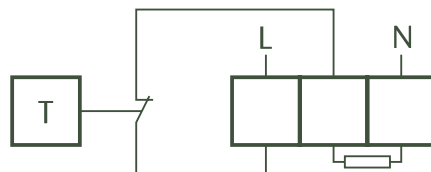
A cast aluminium enclosure provides watertight and dust-tight protection (per IP66) to the thermostat switch. External hardware is stainless steel.

The T-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 . . .

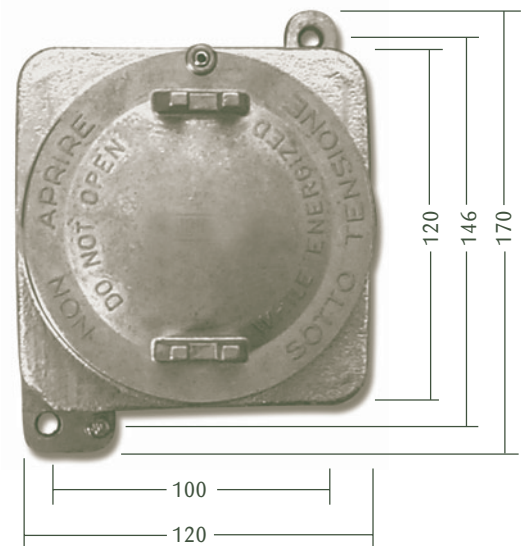
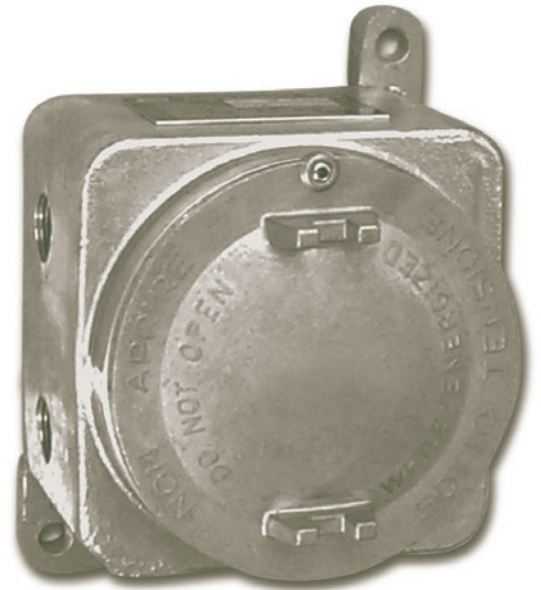
Voltage rating	400 Vac
Switch rating	
230 Vac	16 A (Ohmic, NC contact)
400 Vac	10 A (Ohmic, NC contact)
Switch type	SPDT
Ambient Temperature Range <sup>3</sup>	
Temperature Class T6	-20° to +40° C
Temperature Class T5	-20° to +55° C
Electrical connection <sup>1</sup>	terminal block/earth screw <sup>2</sup>
Adjustable control range	0°C to 40°C
Maximum control differential	±1.5°C
Temperature sensor	internal
Maximum bulb exposure temperature	60°C
Approximate weight	3 kg

### Typical Wiring Diagram . . .



#### Notes . . .

- The T-Ambient utilises two M20 entries and is shipped with two M20 washers (EEx d approved gland and/or EEx d approved blind plug to be ordered separately). Refer to Form TEP0057U for additional accessories.
- Electrical connection consists of a terminal block with three 4-mm<sup>2</sup> line/load terminals and one earth screw.
- In case the T-Ambient is used in an environment where high temperatures in combination with high humidity can be expected it is advisable to use a suitable breath valve; contact Thermon for assistance.



### Certification/Approval . . .

**CENELEC** European Organisation for Electrotechnical Standardisation  
Hazardous (Classified) Locations

**CE** **Ex** II 2 G/D EEx d IIC T5/T6 Demko 03 ATEX 134291X

T-Ambient has additional hazardous area approvals including:

- GGTN • Kazakhstan



**THERMON . . . The Heat Tracing Specialists®**  
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