

# T2

## EEx d Pipewall Sensing Thermostat with Limiter

## Product Specifications

### Application . . .

#### Electric Heat Tracing Control

The T2 is designed for use as an adjustable control thermostat for freeze protection and temperature maintenance applications where a high temperature limiter is required. The first thermostatic switch energises the heater below the controller setpoint; the second switch de-energises the heater if the temperature sensed exceeds the limiter setpoint. The T2 is designed to be wall-mounted (or pipe-mounted using Thermon's XP-1 stainless steel mounting bracket<sup>1</sup>). Included with the T2 is a stainless steel flexible capillary armoring complete with capillary gland and insulation entry device. Two limiter ranges are available as well as an optional external reset button (for the 50°C to 300°C limiter range version only).

A rugged cast aluminium enclosure, suitable for harsh industrial environments, provides watertight and dusttight protection (per IP66) to the thermostat switch. The T2 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)
Ambient Temperature Range <sup>4</sup> :	
Temperature Class T6	-20° to +40° C
Temperature Class T5	-20° to +55° C
Switch type	
T2-1-XXX	SPDT
Electrical connection <sup>2</sup>	terminal block <sup>3</sup>
Bulb material	stainless steel
Capillary length	0.9 m
Approximate weight	3.5 kg

Product Type	Adj. Range °C	Max. On/Off Diff. °C	Max. Bulb Temp. °C	Bulb Size mm
Controller				
T2-1-120/XXX	20-120	±4	145	6 x 140
T2-1-300/XXX	50-300	±10	320	4 x 165
Limiter				
T2-1-XXX/300	50-300	±10	320	4 x 165

#### Notes . . .

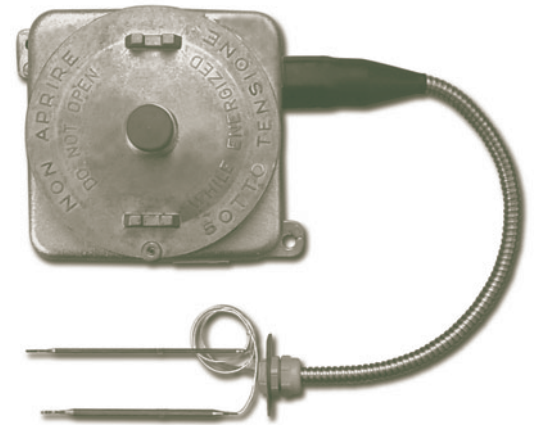
1. Refer to Form TEP0057U for additional accessories.
2. The T2 has two M20 entries and is shipped with two washers.
3. Terminal block consists of four 4-mm<sup>2</sup> line/load terminals and one earth screw.
4. In case the T2 is used in an environment where high temperatures in combination with high humidity can be expected it is advisable to use a suitable breath valve; contact Thermon for assistance.

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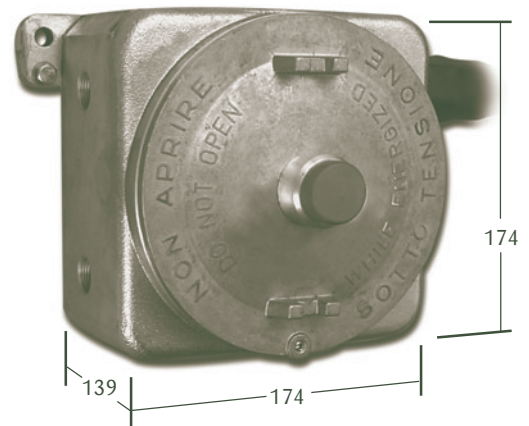
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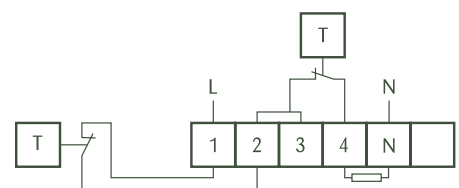
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T2-1-XXX/300  
(with optional external reset button)



### Typical Wiring Diagram . . .



### 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

T2 has additional hazardous area approvals including:

- GGTN • Kazakhstan

