



PRODUCT SPECIFICATIONS

# TC2 and TC2/XP Plus

## PIPEWALL SENSING THERMOSTATS WITH LIMITERS

### APPLICATION

The TC2 and TC2/XP Plus, equipped with two adjustable control thermostats, are designed for heat tracing 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 TC2 is designed to be wall-mounted (or pipe-mounted using Thermon's XP-1 stainless steel mounting bracket<sup>1</sup>) and has a PVC coated galvanised steel flexible capillary armoured complete with capillary gland and insulation entry device. The TC2/XP Plus includes an expediter to facilitate attaching the thermostat directly on the pipe<sup>2</sup> and permits one heating cable to enter and be connected within the enclosure.

Indicating lamps for power-on and heater-on are visible through a transparent cover. Both thermostats utilise nonmetallic enclosures suitable for harsh industrial environments to provide watertight and dusttight protection (per IP65). External hardware is stainless steel.

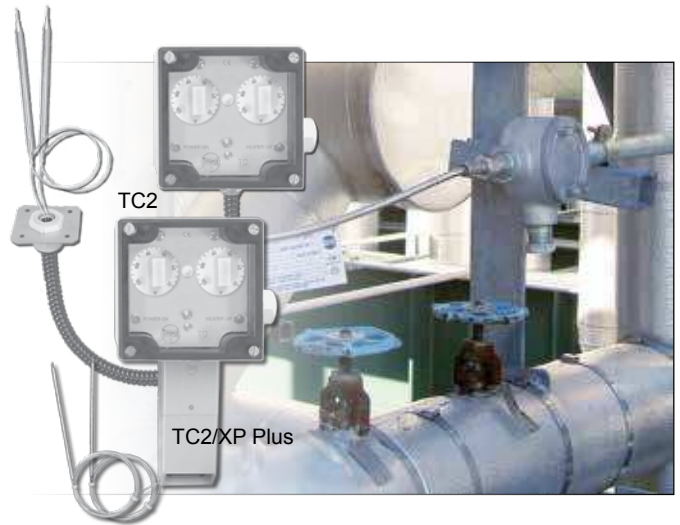
The TC2 and TC2/XP Plus meet the requirements for use in nonhazardous locations.

### 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  
 Operating ambient temperature..... -30° to +55° C  
 Electrical connection<sup>3</sup> ..... terminal block<sup>4</sup>  
 Bulb material..... stainless steel  
 Capillary length..... 1 m  
 Approximate weight..... 1.5 kg

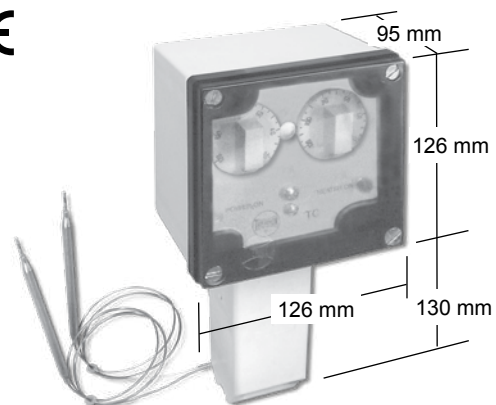
#### Notes

1. Refer to Form TEP0057U for additional accessories.
2. TC2-1-300/xxx and the TC2-1-XXX/300 is not available with an XP Plus expediter.
3. Both thermostats are shipped with an M25-PWR-IND power gland and an M25-B-IND blind plug that can be replaced with an M25 gland to permit power or heating cable connection.
4. Terminal block consists of four 4-mm<sup>2</sup> line/load terminals and one 4-mm PE terminal.



Product Type	Adj. Range °C	Max. On/Off Diff. °C	Max. Bulb Temp. °C	Bulb Size mm
Controller				
TC2-1-40/XXX	0-40	±4	130	6 x 140
TC2-1-120/XXX	20-120	±4	145	6 x 140
TC2-1-300/XXX	50-300	±10	320	4 x 165
Limiter				
TC2-1-XXX/120	20-120	±4	145	6 x 140
TC2-1-XXX/300	50-300	±10	320	4 x 165

### CERTIFICATION/APPROVAL



### TYPICAL WIRING DIAGRAM

