



PRODUCT SPECIFICATIONS

# Terminator™ ZT-Ambient

## AMBIENT SENSING THERMOSTAT

### APPLICATION

The Terminator ZT-Ambient thermostat is designed for use as an adjustable control thermostat for freeze protection applications of piping and vessels. This thermostat can be used as pilot control of a contactor, switching multiple heat tracing circuits. The Terminator box excels in easy access to the terminals for maintenance and installation. This because the terminals are not inside the box when opening the lid. A rugged nonmetallic enclosure with a minimum installation temperature of -60°C provides a watertight and dust tight protection per IP66. External hardware is stainless steel. The Terminator ZT-Ambient kit is approved for use in ordinary (nonclassified) and hazardous (classified) areas.

### RATINGS/SPECIFICATIONS


|   |                        |
|---|------------------------|
| Enclosure rating.....                       | IP66                   |
| Maximum pipe exposure temperature.....      | 250°C                  |
| Minimum installation temperature.....       | -60°C                  |
| Voltage rating.....                         | 400 Vac                |
| Switch rating.....                          | 16 A (SPDT contact)    |
| Switch type.....                            | Controller             |
| Electrical connection <sup>1</sup> .....    | Terminal block         |
| Adjustable control range.....               | -20°C to 40°C          |
| Ambient temperature range.....              | -60°C to +50°C         |
| Adjustment point.....                       | 5°C                    |
| Sensor material.....                        | Stainless Steel (CrNi) |
| Maximum control differential/accuracy.....  | 2.5% / ±2K             |
| Max. electrical switching frequency.....    | 180 cycles/hour        |
| Electrical durability operating cycles..... | min. 100.000 cycles    |
| Mechanical durability operating cycles..... | min. 300.000 cycles    |




### CONSTRUCTION

- 1 Junction Box, Glass-Reinforced Polymer with DIN Rail Mounted Terminal Blocks
- 2 Wall Mount bracket, Stainless Steel.
- 3 Capillary Ambient Temperature Sensor

### CERTIFICATIONS/APPROVALS

**CE**  In accordance with the EU ATEX Directive Certificate FM10ATEX0058X

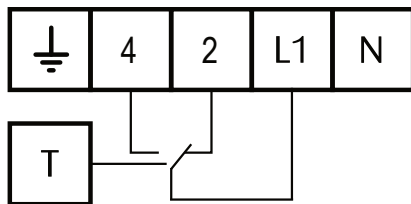
**IEC**  **International Electrotechnical Commission**  
IEC Certification Scheme for Explosive Atmospheres  
FMG 10.0022X

#### Notes

The ZT-Ambient utilizes three M25 entries and is shipped with two M25 and one M25 dust cap.

1. Terminal block consists of 4 line/load terminals and 1 PE terminal size 6 mm<sup>2</sup>

### TYPICAL WIRING DIAGRAM



TC-E B.V.  
Nieuwland Parc 314c  
2952 DD Alblasserdam  
The Netherlands

+31 (0) 183 20 10 88  
sales@tc-e.nl  
www.tc-e.nl - www.heattrace.eu  
**Authorized Thermon distributor**