



PRODUCT DATASHEET

TERMINATOR™ ZT-C-AMBIENT

AMBIENT SENSING THERMOSTAT

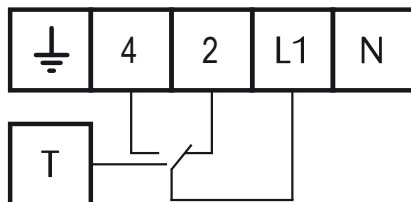
APPLICATION

The Terminator ZT-C-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-C-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 connection¹..... 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. 250.000 cycles

TYPICAL WIRING DIAGRAM



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

- In accordance with the EU ATEX Directive Certificate EPS 19ATEX1216X
- International Electrotechnical Commission IEC Certification Scheme for Explosive Atmospheres IECEx EPS19.0094X

Notes

- The ZT-C-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 mm²