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 [1]	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

In accordance with the EU ATEX Directive Certificate FM10ATEX0058X

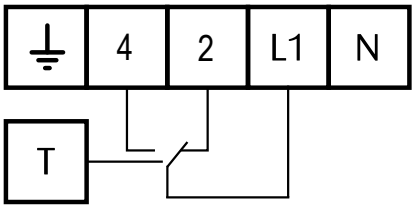
International Electrotechnical Commission
IEC Certification Scheme for Explosive Atmospheres
FMG 10.0022X

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^2

TYPICAL WIRING DIAGRAM



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