



# PRODUCT DATASHEET

# TERMINATOR™ ZP-AMBIENT

## AMBIENT SENSING THERMOSTAT

### APPLICATION

The Terminator ZP-Ambient thermostat is designed to provide ambient sensing control of electric heat tracing circuits for freeze protection of piping and vessels. This thermostat can be used to control a heating circuit or as pilot control of a contactor switching multiple heat tracing circuits<sup>1</sup>.

A rugged nonmetallic enclosure provides watertight and dust tight protection (per IP66). External hardware is stainless steel.

The Terminator ZP-Ambient thermostat is approved for use in ordinary (nonclassified) areas and is certified to the ATEX directive for use in Category 2 and 3 (Zone 1 and 2) classified areas and the IECEx Scheme.

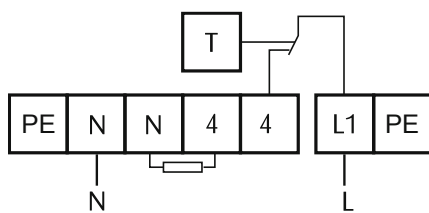
### RATINGS

Enclosure rating..... IP66  
 Voltage Rating..... 120/250 Vac  
 Switch Rating..... 16 A (Ohmic), NC contact  
 Switch Type..... Bimetallic  
 Ambient temperature range ..... -50°C to +50°C  
 Electrical connection<sup>2</sup>..... terminal block  
 Operating temperature  
   Opening temperature ..... +11,7°C ± 2,8°C  
   Closing temperature..... +3,3°C ± 3,3°C  
 Sensor material..... chromium-plated brass

### Notes

- Standard configuration is pilot control of a contactor switching multiple heat tracing circuits. When the thermostat is used to switch other types of heating cable, please contact TC-E.
- The Terminator-Ambient utilizes two M25 entries and is shipped with one M25 blind plug. Refer to Form TEP0057U for additional accessories.

### TYPICAL WIRING DIAGRAM



### CONSTRUCTION

- Junction box, glass-reinforced polymer with DIN rail mounted terminal blocks
- Ambient temperature sensor
- Stainless steel mounting bracket

### CERTIFICATION/APPROVAL

CE 0344 Ex II 2 G Ex eb mb IIC T6...T4 Gb, FM 10ATEX0058X

IEC IECEx IECEx FMG 10.0022X Ex eb mb IIC T6...T4 Gb

### PRODUCT REFERENCE LEGEND

#### Terminator-ZP-Ambient-P-WP

**Area Designation**  
 P = BSX, HTSX, KSX, FP, HPT, RSX, USX, VSX-HT

**Mounting Options**  
 XP = Pipe-Mount Expediter  
 WP = Wall Mount Bracket with Expediter