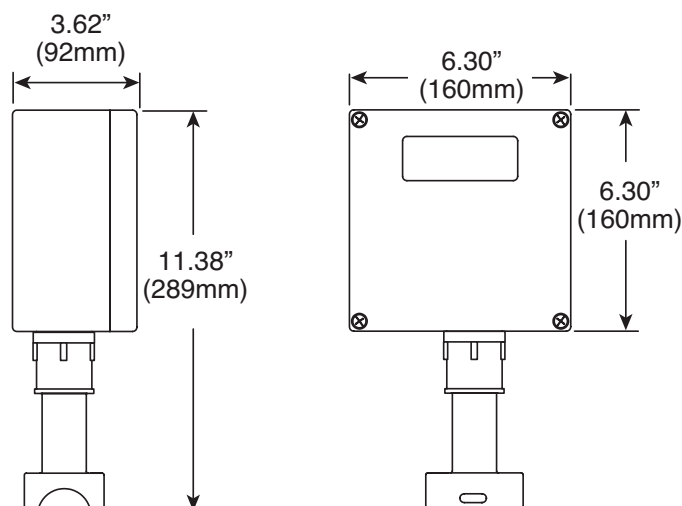


CET-GF Commercial Heat Trace Electronic Thermostat w/GFI

- 30 Amp Double-Pole, Mechanical Relay
- 120 to 277 Vac Operation
- cULus Ordinary Area Approval
- On/Off Control with 10° Deadband Programmable in Two Degree Increments.
- LED Indication for Power, Alarm and Load
- Large LED Display
- Programmable High & Low Temperature Alarms
- Form C dry contact alarm for remote indication of alarm status
- NEMA 4X Enclosure
- Integral Pipe Stand
- Optional Wall Mount
- 100 Ohm Platinum RTD - Included
- Enclosure Serves as Heating Cable, A/C Power & Sensor Connection
- Works with CPR, CPM and CZH Cable
- RoHS Compliant
- UL, cUL Listed, CE



Description

The CET-GF electronic thermostat with ground fault is a temperature control and power connection kit.

It is used for freeze protection or process temperature maintenance of pipes or tanks protected by heat tracing products. This thermostat can be used with CPR, CPM or CZH heating cables in Ordinary area locations.

This unit is designed to provide local temperature control for pipe freeze protection, flow maintenance, freezer frost heave, floor heating and snow melting applications and will switch 30 amperes of current.

The CET-GF provides easy programming of the temperature set point, high and low temperature alarms, the deadband, the temperature units and the alarm state through the front panel push

buttons. LED lights are provided for indication of power to the unit, heater power on (load) and alarm status. A Form C dry contact alarm is included for wiring to your building management system to indicate alarm status. This alarm may be set to open or close on all alarm conditions including loss of power, high or low temperature alarm and RTD failure. The minimum operating ambient temperature is -35°F (-37°C). This unit has programmable high and low temperature alarm set points from 20°F (-6°C) to 230°F (110°C).

A 100 Ohm platinum RTD is provided with a 3 foot (1 M) lead resulting in flexible mounting options for the user.

CET-GF Commercial Heat Trace Electronic Thermostat w/GFI *(cont'd.)*

Features

- Small Enclosure. The 6.25 inch by 6.25 inch enclosure houses the temperature control and monitoring unit along with terminals for connecting instrument power, heating cable and RTD.
- 100 Ohm platinum RTD which can be pipe mounted or can be used to sense ambient air temperature.
- Pipe stand-off mount for direct pipe mounting.
- Integral wiring. The wiring of the heating cable, alarm, AC power line and the RTD sensor are all accomplished within the enclosure. This feature reduces both labor and material costs by eliminating the need for an additional heat trace power connection kit as well as the time for the additional wiring.

PCN	Model
514407	CET-GF

Accessories

PCN	Model
514415	CET-WB Wall Mount Kit
308144	RTD Extension Wire (50 ft/15m)

Applications

- Freeze Protection of Piping
- Process Temperature Maintenance
- Tank Freeze Protection
- Tank Process Temperature Maintenance

Environments

- Ordinary Areas

Sensors

- 100 OHM PT RTD
 - Probe Length = 4" (10.2 cm)
 - Probe Diameter = 1/4" (6.35 mm)
 - Leadwire Length = 3ft (1 M)*
- * The maximum allowable length of the RTD wire is 50ft (15m) in order to remain UL/cUL compliant.

Current Approvals

- UL, cUL Listed for Ordinary Areas

Specifications

Operating Voltage	120 to 277 VAC, 50/60 Hz, Single Phase common supply for controller and heat tracing circuit												
Operating Temperature - Ordinary Areas	-35°F to 140°F (-37s°C to 60°C)												
Input	100 Ohm platinum RTD												
Output	30A Double-pole, mechanical												
Alarms	High temp to 302°F (150°C) Low temp to 20°F (-7°C) RTD Failure Red LED alarm status indicator on front panel												
Alarm Relay:	Form C: 2A @ 277Vac, 2A @ 48Vdc												
Alarm Function:	<table border="1"> <thead> <tr> <th>Mode</th> <th>Default</th> <th>Optional</th> </tr> </thead> <tbody> <tr> <td>Normal Operation</td> <td>Closed</td> <td>Open</td> </tr> <tr> <td>Alarm Condition</td> <td>Open</td> <td>Closed</td> </tr> <tr> <td>Power Off</td> <td>Open</td> <td>Open</td> </tr> </tbody> </table>	Mode	Default	Optional	Normal Operation	Closed	Open	Alarm Condition	Open	Closed	Power Off	Open	Open
Mode	Default	Optional											
Normal Operation	Closed	Open											
Alarm Condition	Open	Closed											
Power Off	Open	Open											
Deadband	2°F (or °C) to 10°F (or °C), programmable												
Set Points	32°F to 200°F programmable (0°C to 93°C)												
Units of Temperature	°F or °C, selectable												
Control Mode	On/Off control												
Memory	Nonvolatile, restored after power loss												