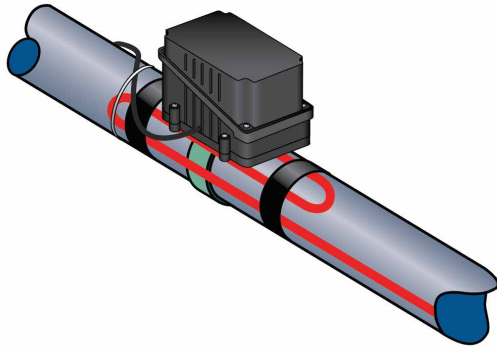


PRODUCT OVERVIEW


Chromalox® RTBC-EP is a modified version of the RTBC Line Sensing Thermostat. It combines temperature control and power connection in a convenient, easy to use package for process maintenance applications, it contains a hermetically sealed switch. Since the switch has no arcing contacts, it can be used in hazardous areas for CPR, CPM, HWM and CZH heating cables. Like the RTBC, the thermostat is mounted within the enclosure and the capillary is brought out through one of the openings in the bottom of the box. This design provides extra protection for the capillary, especially when the control is mounted on a pipe for heat tracing applications. The 3 ft (0.9 m) long stainless steel capillary provides flexibility for different mounting locations. The NEMA 4X rated enclosure is molded of durable, weather and corrosion resistant polyphenylene sulfide (PPS), designed to keep moisture from reaching the electrical connections.

DESCRIPTION

These kits provide a line sensing thermostat with hermetically sealed switch, as well as termination, for process maintenance applications.

KIT CONTENTS

- 1 Molded Junction Box Consisting of:
 - 1 Base
 - 1 Box with Conduit Opening
 - 1 Lid
- 1 Three-Position Terminal Block
- 1 Black Cable Grommet
- 1 Orange Cable Grommet
- 1 Cover Gasket
- 4 Cover Screws
- 4 Box Screws
- 1 Mounting Screw for Terminal Block
- 1 Capillary Grommet
- 1 Uninsulated Barrel Connector
- 1 Thermostat

MATERIALS

Junction Box, Pipe Standoff	Electrostatic-charge-resistant, glass-filled engineered polymer, black
Temperature Probe	Stainless Steel
Self-Regulating Cable Grommet	Silicone rubber, black
Constant-Wattage Cable Grommet	Silicone rubber, orange
Cover Gasket	Silicone Rubber, black
Cover Screws (4)	Stainless Steel

COMMERCIAL RTBC-EP LINE SENSING THERMOSTAT

APPROVALS



- Ordinary Areas



- Ordinary Areas
- Class I, Division 2 Groups B, C, D
- Class II, Division 2, Groups E*, F, G
- Class III, Division 1 * (Type 4X)*
- Class III, Division 2*
- T-Rating*

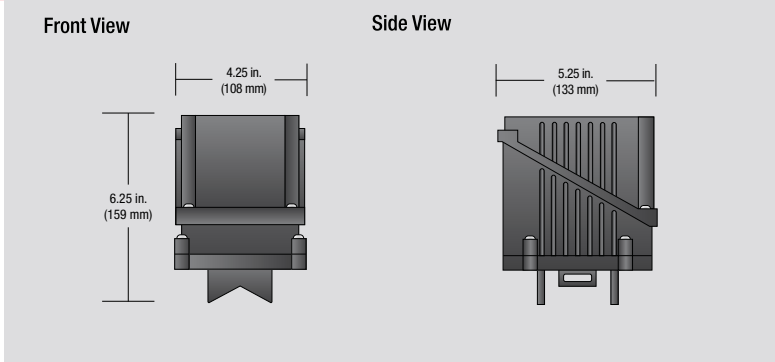


- Ordinary Areas
- Class I, Division 2, Groups B, C, D
- Class II, Division 2, Groups E, F, G
- Class III
- T-Rating*



*See cable schedule

DIMENSIONS



PRODUCT SPECIFICATIONS

Heating Cable Use	CPR, CPM, HWM, CZH
Ingress Protection	NEMA 4X
Entries	0.75 in (19 mm)
Operating Temperature Range	-40° to 160° F (-40° to 71 °C)
Temperature Setpoint	0° F to 225° F (-18° to 107°C)
Temperature Assembly Dimensions	0.25 in (6.4 mm) diameter 7.25 in (184 mm) long 3 ft (0.91 m) capillary
Minor Scale Division	10°F (5.6°C)
Maximum Sensor Exposure Temperature	450°F (230°C)
Switch Rating	SPDT, 11A, 120-480V
Maximum Circuit Breaker	50 A
Conductor Size Range	8 - 16 AWG
Weight	4 lb (1.81 kg)

ORDER DETAILS

Catalog Description	Commercial RTBC-EP Line Sensing Thermostat
Part Number	513228

