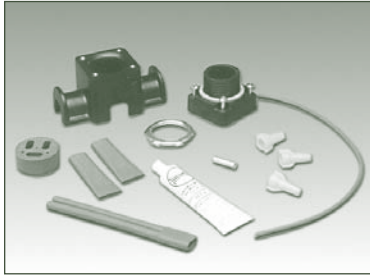


Freeze Protection Systems Accessories

Product Specifications

TracePlus™ Nonmetallic Kits . . .

TracePlus kits are designed for terminating self-regulating heating cables with a metallic braid or with a braid and outer jacket.



PCA-COM...circuit fabrication kit is designed to fabricate a self-regulating circuit with one power connection boot and one end cap. Up to three heating cables can enter a junction box supported by a PCA-COM kit when additional heater cable connection boots (TBX-3L) and end caps (ET-6 or ET-8) are used.

The PCA-COM kit components include:

- Pipe-mounted junction box support (junction box provided by others)
- Heater cable grommet
- Power connection boot (TBX-3L)
- End caps (one ET-6 for OJ cable and one ET-8 for BC cable)
- RTV adhesive
- Ground wire extension lead with lug
- Wire fasteners
- Installation instructions



PCS-COM...re-enterable in-line or T-splice kit is designed to fabricate outside-the-insulation splices of self-regulating cables. Each splice kit includes three heater cable connection boots and the end cap needed to complete a T-splice.

The PCS-COM kit components include:

- NEMA 4X pipe-mounted expediter with splice cover
- Heater cable grommet
- 3 heater cable connection boots (TBX-3L)
- End caps (one ET-6 for OJ cable and one ET-8 for BC cable)
- RTV adhesive
- Wire fasteners
- Grounding splice lug
- Installation instructions



JB-K...nonmetallic junction box is intended for use with the PCA-COM kit. The corrosion-resistant NEMA 4X unit includes a removable gasketed cover and ground lug.

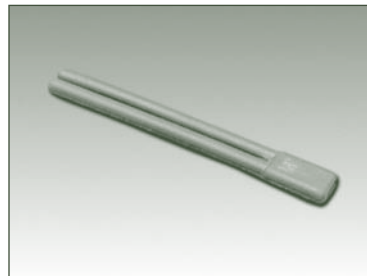
Cable End Termination Kits and Attachment Tapes . . .



ET-6C...is designed for use with self-regulating cables having an overjacket and/or monitor wire.

ET-8C...is designed for use with self-regulating cables having a metallic ground braid only.

PCA-COM and PCS-COM kits include both end caps, RTV adhesive, caution label and termination instructions. (Also available in bulk are the ET-6 and ET-8 end caps only.)



TBX-3L...power connection boot is used to prepare additional heating cable for connection to power. One TBX-3L boot is provided with each PCA-COM kit. Three TBX-3L boots are provided with each PCS-COM kit. (Also available as the TBX-3LC kit with RTV adhesive and termination instructions.)



FT-1L...fixing tape is used for attaching the heating cable to piping every 12" (30 cm) or as required by code or specification. FT-1L may also be used for attaching pipe-mounted expediter in circuit fabrication and splice kits. Tape is 1/2" (13 mm) wide x 108' (33 m) long.

Max. Exposure Temp..... 185°F (85°C)
Min. Installation Temp..... -20°F (-29°)



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Freeze Protection Systems Accessories

Control Thermostats, Control Panel and Aluminum Tape . . .



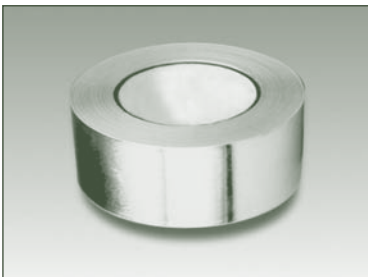
B4X-15140...adjustable ambient sensing thermostat is designed for controlling freeze protection of pipes, vessels and equipment. Thermostat has an adjustable range from 15°F to 140°F (-9°C to 60°C) and can be used to control a single-phase heating cable circuit or to control the coil of a contactor to switch high current and/or voltages for freeze protection heat tracing circuits. Enclosure is NEMA 4X epoxy coated die-cast aluminum. Thermostat is rated for 125/250/480 Vac with a switch rating of 22 amps.



N4X-40...line-sensing thermostat is snap-acting "open-on-rise" and preset at 40°F (5°C). Thermostat is rated for 125/250/480 Vac with a switch rating of 22 amps and is housed in a NEMA 4X polycarbonate enclosure that is predrilled for connection to 3/4" conduit fitting. Thermostat has tinned copper bulb and capillary.



PDMP...power distribution and monitoring panel is available for one to four circuits with voltage ratings of 120/240, 277 or 480 Vac. Panel includes circuit breaker(s) with 30 mA ground-fault protection¹, contactor(s)², indicating lights, and hand/off/auto switch (optional alarms are available). The corrosion-resistant NEMA 4X nonmetallic junction box is hinged and lockable. To meet the specific requirements of an application, panel can be custom designed, including circuit requirements, enclosure type, control and monitoring capabilities and specific agency approvals. Contact Thermon for complete information.



AL-20L...aluminum tape for continuous (longitudinal) coverage of cable to piping. Tape is designed for improving heat transfer to nonmetallic piping. Allow one foot of tape for each foot of heating cable. Tape is 2" (51 mm) wide x 150' (46 m) long.



CL...caution labels (vinyl-based peel and stick) should be installed on the thermal insulation weather barrier. In accordance with the NEC, electrically heated pipelines and vessels are to be clearly identified "at frequent intervals along the pipeline or vessel." Caution labels should be placed at 10'-20' (3-6 m) intervals or as required by code or specification.

Notes . . .

1. The National Electrical Code and Canadian Electrical Code require ground-fault protection of equipment for each branch circuit supplying electric heating equipment. Check local codes for ground-fault protection requirements.
2. 120 Vac coil to be controlled by thermostat or electronic control.

Certifications/Approvals . . .



Approvals apply when used with Thermon electric heat tracing cables.

