



PRODUCT DATASHEET

SYSTEMS ACCESSORIES

SnoTrace™ KSR™

APPLICATION – SNOW AND ICE MELTING

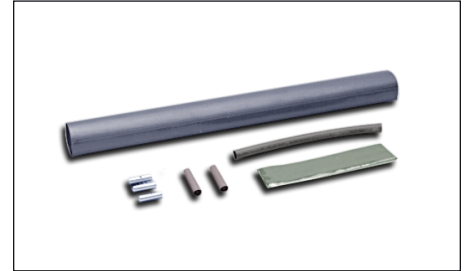
The following accessories were developed specifically for Thermon SnoTrace snow and ice melting systems and are intended for use with KSR self-regulating heating cables. Refer to the SnoTrace KSR Design Guide (Form CPD1057) or contact TC-E for design assistance.



KSR-CFK... circuit fabrication kits are designed to fabricate a circuit with one power connection boot and one end cap. Both power and end terminations must be made in NEMA 4, UL Listed junction boxes (see JB below).



KSR-EJK... expansion joint kit is designed to allow cable to cross a concrete expansion or construction joint. When installed, the kit will allow normal expansion and contraction of the substrate without straining or damaging the heating circuit. Easy-to-use kit includes a reinforced flexible sleeve and RTV adhesive.



KSR-SK-DB... cable splice kit is designed to fabricate an in-line splice between two pieces of overjacketed cable. The kit allows for field fabrication of heating cable should the cable become damaged during installation. Easy-to-use kit includes splice lugs, self-vulcanizing tape and heat shrink tubing.



KSR-JB... nonmetallic junction box is intended for use with KSR cables. Heating cables enter the junction box through rigid conduit (not included) from the area to be heated. Constructed of corrosion-resistant materials, the NEMA 4X unit includes a hinged and lockable cover.

NT-7... nylon tie wraps (not shown) are used for securing KSR cable to the reinforcing steel during cable layout and concrete placement. NT-7 tie wraps are packaged in quantities of 250 per bag.



STC-DS-2B... stand-alone snow and ice sensor/controller is designed to operate on either 120 Vac or 208/240 Vac control power, includes a single 20 Amp normally open load contact rated to 277V, and provides an adjustable temperature set point with manual on/off, automatic and standby switching functions.

Thermon also offers the complete line of ETI Controllers and sensors, including APS-3C and APS-4C controllers with associated remote aerial snow sensors or pavement-mounted sensors, type HSC pavement mounted controllers with sensors and type LCD aerial snow switch units with sensors. Please refer to www.Thermon.com for additional ETI product details.



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 TC-E for complete information.

Notes

1. The National Electrical Code and Canadian Electrical Code require ground-fault protection of equipment for each branch circuit supplying fixed outdoor electric de-icing and snow melting equipment.
2. 120 Vac coil to be controlled by snow switch; see the STC controllers above.
3. Other controllers/snow sensors are available. Contact TC-E for details.