



PRODUCT DATASHEET

SYSTEMS ACCESSORIES

SnoTrace™ RGS™

APPLICATION: SNOW AND ICE MELTING

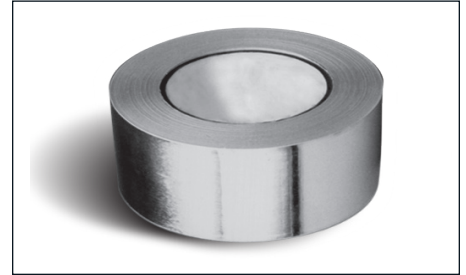
The following accessories were developed specifically for Thermon SnoTrace snow and ice melting systems and are intended for use with RGS roof and gutter heating cables. Refer to the SnoTrace RGS Design Guide, Form CPD1037, or contact Thermon for design assistance.



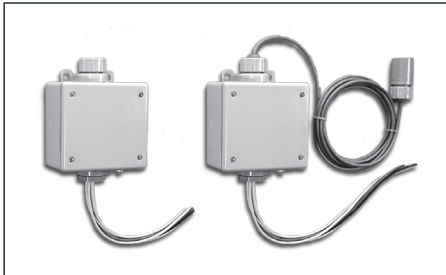
RGS-CFK...circuit fabrication kit is designed to fabricate an RGS circuit with one power connection boot and one double end cap. The kit includes a cable transition fitting with watertight grommet and RTV adhesive. Power connection must be made in a NEMA 4, UL Listed junction box (not included).



RGS-SFK...splice fabrication kit is designed to splice three RGS self-regulating heating cables together. The kit includes three small cable connection boots, one double end cap, heat shrink tube, tie wraps, splice lugs, tape, mastic and RTV adhesive.



AL-20L...aluminum tape for securing cable in the bottom of a gutter. Tape is designed to hold cable in place and prevent movement during heavy rains. Allow one foot of tape for each foot of heating cable. Tape is 2" (51 mm) wide x 150' (46 m) long.



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 30 A normally open load contact rated to 277 Vac, and provides an adjustable temperature set point with manual on/off, automatic and standby switching functions.

STC-DS-8... gutter 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 277 Vac, and provides an adjustable temperature setpoint with manual on/off, automatic and standby switching functions. In addition, this controller also includes a sensor with a 10-ft lead wire allowing for placement of the sensor directly in gutters or downspouts. Thermon also offers the complete line of ETI Controllers and sensors, including APS-3 and APS-4 controllers with associated remote aerial snow sensors or gutter-mounted sensors, type LCG and GIT gutter-mounted controllers with sensors and type LCD aerial snow switch units with integral sensors.



RG-CRF...cable roof fastener (left) is designed to hold heating cable in place and is suitable for most types of roof surfaces. The fastener can be secured to the roof with screws (a waterproof cover material is recommended) or adhesive (screws, waterproofing and adhesive are not included).

RG-CMC...cable mounting clip (center) is designed to hold heating cable in place on standing seam roof surfaces. The "P" shaped fastener can be secured to the roof with screws using a waterproof cover material (screws and waterproofing are not included).

RG-DCH...downspout cable hanger (right) is designed to secure the cable when entering long downspouts to prevent abrasion of the cable by the edge of the gutter/downspout. Hanger is to be secured to the building fascia in a similar manner to the gutters.



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.

CL...caution labels (vinyl-based peel and stick) should be installed on each circuit junction box and on the contactor/power distribution panel or as required by code or specification (not shown).

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.