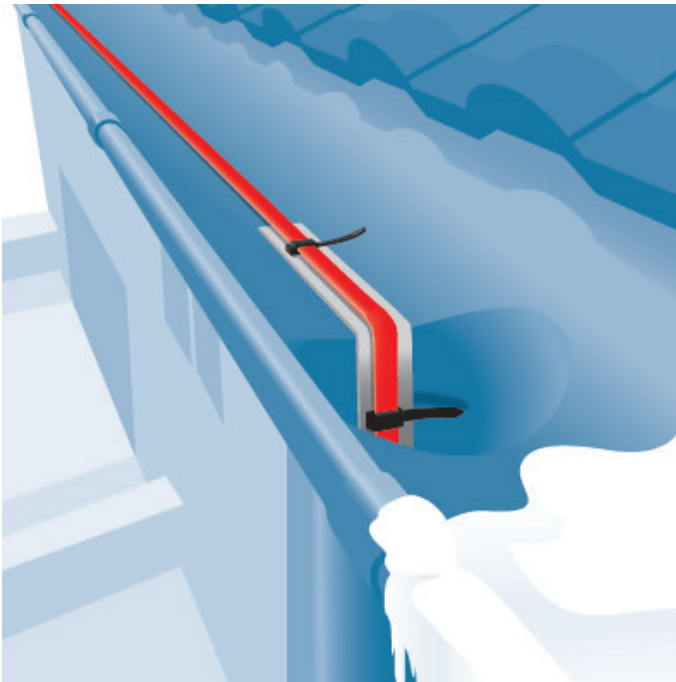


## SPECIFICATION GUIDELINE SNOW MELTING SYSTEM FOR GUTTERS, ROOFS & DOWNPIPES



### **ENERGY-EFFICIENT CONTROL & MONITORING**

- All self-regulating, gutter/roof/down pipe heating circuits shall be controlled with an energy efficient, ambient temperature and moisture sensing thermostat, nVent Raychem EMDR-10, as manufactured by nVent.

The energy-efficient control unit must meet the following performance and technical requirements:

- Minimum temperature range to  $-25^{\circ}\text{C}$  and be variable to  $-5^{\circ}\text{C}$
  - EMC approved to EN50081-1 (Emission) and EN 50082-1 (Immunity)
  - Moisture sensor with variable sensitivity for energy efficiency
  - Self extinguishing housing material in accordance with UL 94 V-0
  - Variable post-ice/snow heating time control
  - PTC (FL103) ambient temperature sensor for accuracy  $\pm 1.5\text{ K}$
  - Variable set-point temperature between  $-3^{\circ}\text{C}$  and  $+6^{\circ}\text{C}$
  - System test function for system check purposes
- Installation shall be in accordance with the installation instructions of the manufacturer and preferably carried out by an installer recommended by them.

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