

# ARCTIC TRACE<sup>®</sup>

## *Snow and Ice Melting System*

**Arctic Trace Snow and Ice Melting System is designed for direct burial in concrete or asphalt.**

Arctic Trace is a rugged and reliable electric radiant heating system. Ideally suited for critical access applications and utilizes a rugged construction to electrically generate heat.

Over 2,000 square feet (186 square meters) can be protected from a single power point. Each system is simple to design for stairs and complex layouts. Constructed for long-term operation. Preparation of cable for connection to power is easy with standard kits which require no special tools.

### **ASHRAE Recommended loads**

Class I—Residential Walks & Driveways 36 watts sq/ft

Class II—Commercial sidewalks and Driveways, hospital steps 40 watts sq/ft

Class III—Toll Plazas, bridges, aprons and airport areas 55 watts sq/ft

Step-by-step guides allow user to select products, lay out circuits and install a complete system.

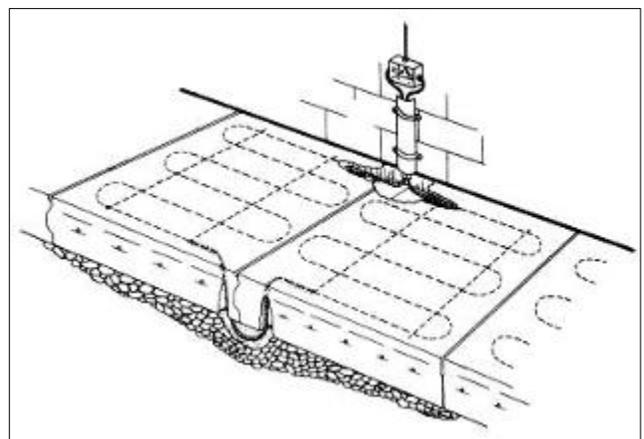
**Installation**—The installation of our radiant snow melting systems is fairly easy compared to other radiant heating systems. Any electrician would not have any trouble installing the system. Any contractor could install the system, and then have an electrician hook up the power to the system.

A minimum of 1" HDPE foam insulation should be used to insulate the slab from the ground below.

Technical support is available 5 days a week, and the installation manual and system diagrams are available.

Arctic Trace is spaced at 6" across the area to be heated. For a new pour concrete application, the Arctic Trace is secured to the re-mesh, and raised, if necessary, to be within 2" of the surface. When retrofitting Arctic Trace into concrete or asphalt, 1/4" wide grooves are saw cut into the existing surface 1" deep. The Arctic Trace is then laid in the grooves, after which backerrod is used to fill in the space between the Arctic Trace and the surface. The surface is then sealed with Sikaflex on concrete, and with Dow 888 on asphalt.

**Product choice**—The Arctic Trace heating cables with an output of 20 W/ft, 240vac. **Model Z120524CBTL** can be used for all snow melting applications Asphalt or Concert.



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