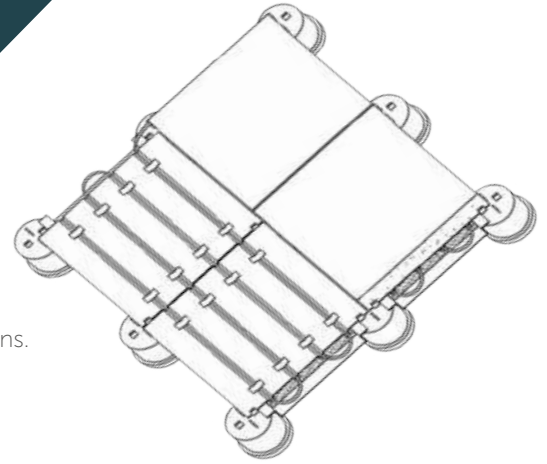


HEATIZON SNOW MELT SYSTEM

The Heatizon Snow Melt system is designed to provide efficient and effective snow melting capability for pedestal mounted pavers on exterior elevated surfaces, including roof decks, terraces, patios, and walkways. Surface heating is provided by electrical heating cables laid under the pavers.



The Heatizon snow melt system can be installed under most pedestal supported porcelain, concrete or stone pavers. It requires only a minimum 1 3/4" clearance under the pavers to accommodate the support brackets, cable tray and insulation and allow for adequate drainage under the pavers. The heated area can be confined to specific zones within a paved area or to just a section of a paver if required. It can also be retroactively fitted to existing elevated paving installations.



SPECIFICATIONS

Panel size:	23.5" x 23.5" (other sizes on request)
Profile height:	1 5/16" including insulation
Material:	Aluminum sheet with polyurethane insulation
Heating element:	Mineral insulated resistance cable
Power consumption (typical):	40W per sq. ft.

SYSTEM COMPONENTS

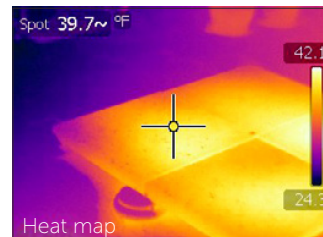
Aluminum support brackets 4" wide are laid between adjustable height pedestals placed in a row across the deck area. A polyurethane foam insulation sheet is laid over the brackets installed on adjacent rows. An aluminum tray with V shaped channels provided for the heating element is placed over the insulation sheet. The heating cable is laid in the channels, run the full length and

width of the area to be heated and returned to a common electrical connection point. The cold connecting leads are connected to a control box with timer for manual activation or an aerial snow switch to activate heating when moisture is detected and the ambient temperature is below a selectable set point in the range 34° – 44°F.

REQUIREMENTS

The basic requirement is a nearby power outlet of sufficient power rating to supply the heating requirement. Typically the system will be connected to a Heatizon M-330G-40 Series Relay Panel, providing the opportunity to connect up to four individual 50 Amp heating circuits to one relay panel. The heating element is pre-fabricated by Heatizon Systems to the length required and joined to a PVC jacketed copper sheath cold lead section by a pre-fabricated joint.

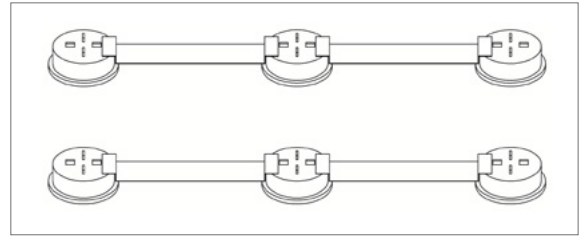
The installer must confirm that the installation complies with any applicable local electrical codes and should be installed by a licensed electrical contractor with experience in installing projects utilizing electric heating cable systems.



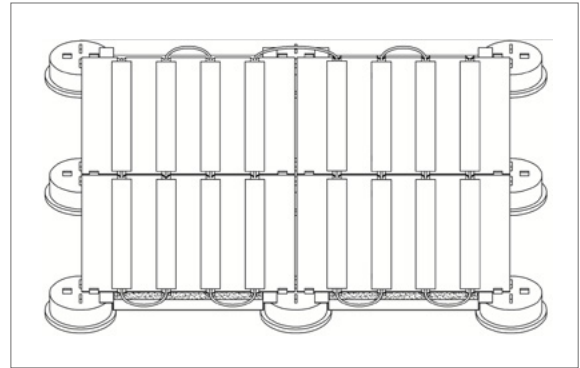
INSTALLATION

Heatizon Pedestal Paver Snow Melt systems are custom designed for each project. A precise layout of cables is provided by Archatrak before installation and should be followed carefully.

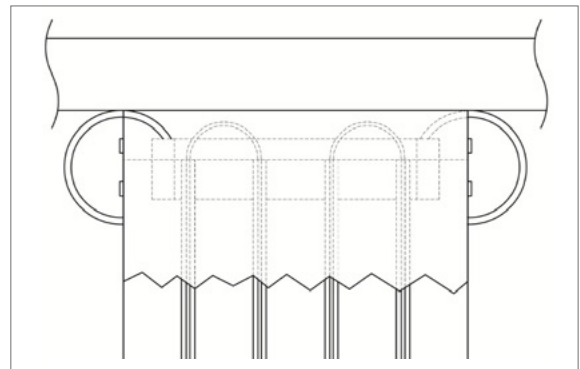
1. Firstly lay out the pedestals in the approximate final location. Note that pavers need to be installed one row at a time to allow adequate access for work.
2. Place the 4" wide aluminum brackets to support the insulation sheet and tray between adjacent pedestals and resting on the pedestal heads. Brackets are laid perpendicular to the cable runs.
3. Once the first two rows of brackets are in place, lay the polyurethane insulation sheet over the brackets.
4. Place the aluminum tray with V shaped channels for the heating element over the insulation sheet. The tray should be slightly smaller than a paver to allow for expansion and contraction of the metal.
5. Start the cable run where specified on the layout provided, following the Hott-Wire MI Cable instructions when laying. Cables are laid along each channel and taped in place with heavy duty aluminum tape.
6. When running cables from one channel to the next or when a boundary wall is reached, bend the cables in an arc to make a return. Do not allow the heating element to touch any roofing materials if installed on a roof deck.
7. Where heating cable turns must be made against a wall or where a partial paver is used, the tray must be cut 5" shorter than the paver to allow for heating element turns to be made.
8. Attach cold lead assemblies to exit the final tray and run to the power source, ensuring all local building codes are followed when running cold leads.
9. Carefully place the pavers on top of the tray, ensuring all cables are tightly secured within the channels of the tray.
10. Install the required controllers, timer or aerial snow switch.



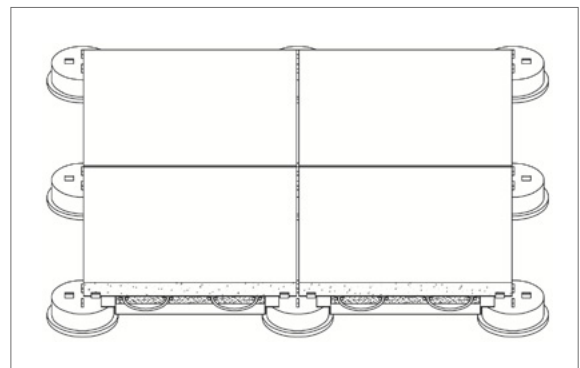
Placement of support brackets



Tray laid over insulation sheet



Cable turns against wall



Finished assembly