



Take the path towards  
**Saving Money &  
Eliminating Snow**



# SNO\*MELTER INSTALLATION EASY AS ONE, TWO, THREE

## STEP 1

The Sno\*Melter system uses highly efficient heating cables formed into mats that install quickly and economically. They are placed about 2" below the surface of asphalt, under pavers, or in concrete, and connected to standard voltages up to 480 VAC. Sno\*Melter mats are 18" or 36" wide, measure from four to thirty feet in length and will accommodate most walks and driveways, as they can be shaped to fit curved edges. If your design calls for a unique shape or power requirement, custom mats are available from the factory. Sno\*Melter step-mats are designed for easy installation on most step shapes without splices.

## STEP 2

Equally important to the design of an efficient installation are the Sno\*Melter system's electronic control equipment, including control panel, temperature sensor and snow/ice sensors. When designing or submitting plans for a specific project, Easy Heat can recommend the appropriate combination of components necessary for maximum efficiency and performance.

## STEP 3

Once the design is finalized and products purchased, the system is installed by an electrical contractor, who works closely with the concrete and/or paving contractor to test fit Sno\*Melter mats in the forms, and route all power and sensor wiring from the target area prior to surface installation.

## TYPICAL SNOMELTER INSTALLATIONS



These cross section drawings illustrate how Sno\*Melter heating mats operate within asphalt, pavers, or poured concrete. An effective method for heating pavement, these low-temperature heating cables secured in a mat provide fast, economical installations and also assure even distribution of low-temperature heat over the entire surface.



### Concrete

- \* Driveways
- \* Sidewalks
- \* Stairs
- \* Entry ways
- \* Access ramps



### Under Pavers

- \* Patios
- \* Plazas
- \* Sidewalks
- \* Terraces



### In Asphalt

- \* Driveways
- \* Parking lots
- \* Sidewalks
- \* Bike paths

# Dependable, Automatic Snow Removal

## THE HEART OF THE SYSTEM

### MSC-1 CONTROL PANEL

#### Monitors Snow and Ice Accumulation In Three Separate Zones

The MSC-1 Control Panel is designed to manage snow and ice melting systems, heating cables, mats and self-regulating cables.

The MSC-1 ensures that heating equipment will only be energized during freezing conditions. The MSC-1 can access information from either the In-Ground (MSP-1) or Aerial (MSA-1) snow, ice or sleet sensors, and Temperature Sensor (TS-1), to monitor snow and ice accumulation in three separate snow melting application zones—each controlled independently or on a priority basis.

### SA-1 Alternative Control Option

#### Benefits of the SA-1

- \* Water resistant, economical alternative to MSC-1 controller
- \* Microcontroller technology energizes the heating cables when snow and freezing rain conditions exist, saving you valuable energy costs
- \* For use in residential and commercial applications

### Snow/Ice Removal Operations

Minimum 2 sensors per zone



#### MSA-1 Optional Aerial Sensor

This unit detects falling or blowing snow which comes in contact with the sensor grid, then sends a signal to the MSC-1 to energize heating equipment (snow melting or de-icing cables, etc.)

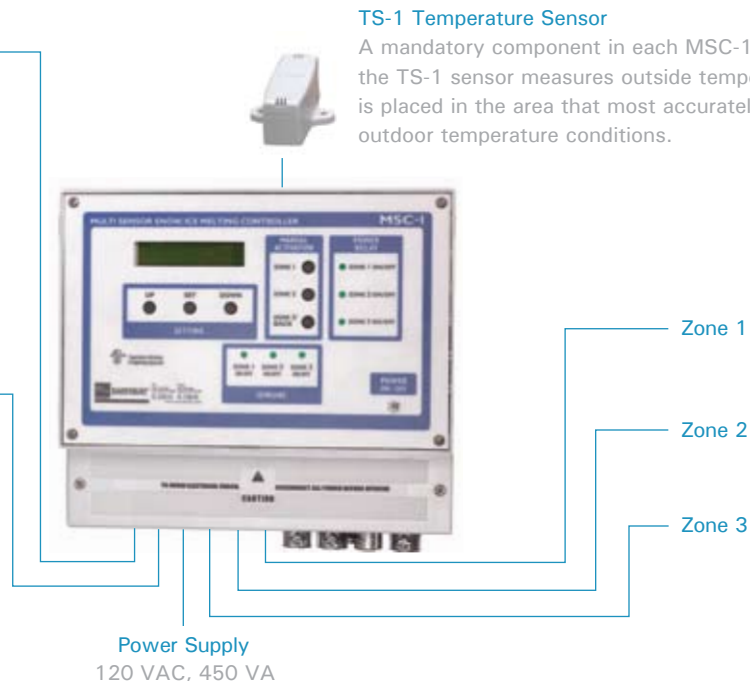


#### MSP-1 Optional Ground Sensor

The low voltage MSP-1 monitors the temperature of the surface being heated, and also senses falling or drifting snow. The control unit can then disengage the heating equipment (heating mats, cables, etc.) when the surface temperature rises above approximately 41° F (5° C).

#### TS-1 Temperature Sensor

A mandatory component in each MSC-1 Control System, the TS-1 sensor measures outside temperature and is placed in the area that most accurately reflects the outdoor temperature conditions.



### Easy To Operate

Once installed and energized, the Sno\*Melter system will continue to melt snow or ice until the pavement is clear and dry. The sensor activates the embedded heating mats whenever it detects the presence of moisture at temperatures below 38°F(3.3°C).

Additional convenience is also provided by an optional control panel that offers further user adjustment. These adjustments permit system performance to be adapted to local wind and snow accumulation patterns, by extending operating time by as much as 10 hours after snowfall ceases.

A manual pushbutton also allows the system to melt snow blown from adjacent areas, or slush deposited by pedestrian or vehicular traffic, regardless of meteorological conditions.

Most unpleasant winter weather conditions are caused by snow, ice and freezing rain. All three have often been managed the traditional way: plowing, shoveling and salting. But each of these "remedies" has at least some damaging effects on property and all are unreliable, time consuming and costly.

There is a more effective, timely and cost-effective way to ensure a clear, dry pavement: Sno\*Melter by Easy Heat. Sno\*Melter is an automatic electric system that melts snow and freezing rain on contact reducing the inevitable costs and potentially damaging effects of traditional snow removal methods. UL Listed Sno\*Melter is highly efficient and considerably more economical than most other snow and ice removal methods, since it only operates for relatively short periods of time each winter.

## WHERE IT WORKS

- \* BANKS
- \* CAR WASHES
- \* CONVENIENCE STORES
- \* DEPARTMENT STORE CHAINS
- \* DISTRIBUTION CENTERS
- \* FAST FOOD RESTAURANTS
- \* GROCERY CHAINS
- \* HOME IMPROVEMENT CENTERS
- \* HOSPITALITY FACILITIES
- \* HOSPITALS
- \* INDEPENDENT RETAIL STORES
- \* INDUSTRIAL DISTRIBUTION CENTERS
- \* INDUSTRIAL PLANTS
- \* MEDICAL OFFICE CENTERS
- \* NURSING HOMES
- \* OFFICE BUILDINGS
- \* PARKING GARAGES
- \* PHARMACY CHAINS
- \* RESTAURANTS
- \* SCHOOLS
- \* SERVICE STATIONS
- \* STRIP MALLS

## APPLICATIONS

Many commercial facilities, such as stores, restaurants, banks and medical centers, install Sno\*Melter systems at pedestrian entries, increasing customer safety.

Industrial plants, distribution centers, and other businesses with around-the-clock operations, install Sno\*Melter in key areas, particularly outdoor loading docks, steps and ramps where there is generally no time or opportunity to plow or salt.

Sno\*Melter helps increase customer traffic and curbside appeal by providing improved customer safety and low maintenance performance among hospitality facilities, fast food and department store chains, car washes, and a growing number of large service station/convenience store complexes.

With Sno\*Melter, there is virtually no need to spread salt or other chemicals that could shorten the life of carpets or floors inside, or corrode pavement and destroy vegetation outside.

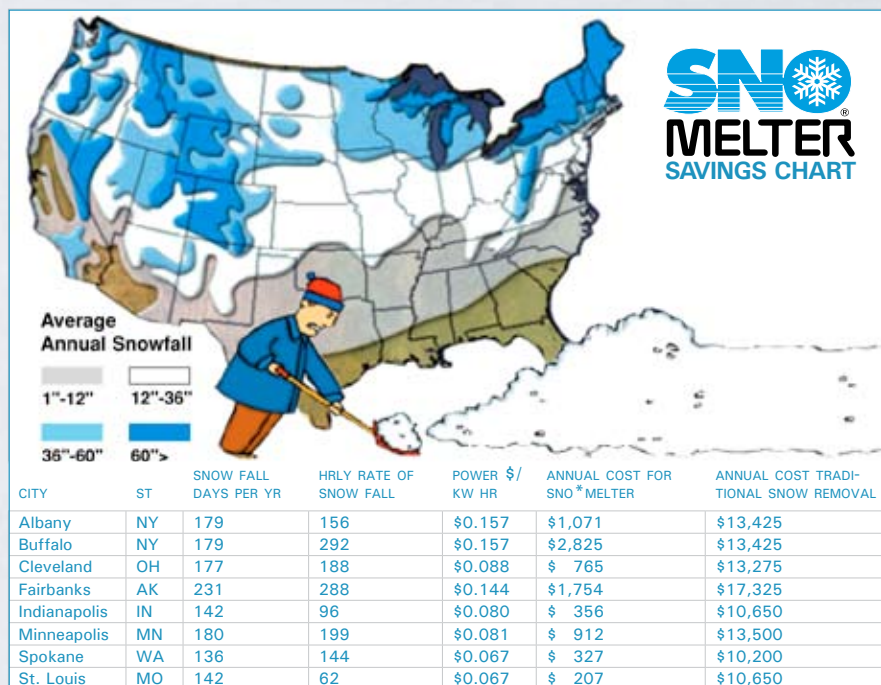
Sno\*Melter's automated controls monitor conditions, energizing the system only when necessary.

## POINTS-OF-USE

Sno\*Melter mats can be installed in a variety of applications such as:

- Driveways
- Ramps
- Walkways
- Entry Ways
- Sidewalks
- Patios
- Loading Docks
- Stairs
- Outdoor Kitchens

## SAVING WITH SNO\*MELTER



Calculations for Sno\*Melter are based on 1,000 square feet. Snow removal is estimated at \$75.00 per snow event.

Contact an EasyHeat representative for your Sno\*Melter Solution.

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