

NeverFreeze® Snow Melting Mats for Asphalt and Under Pavers

PRODUCT DESCRIPTION

Installing the NeverFreeze® Snow Melting System provides a permanent solution to the problems caused by cold weather, improves safety by providing reliable relief from snow and ice, and expands your bottom line by reducing the cost associated with applying chemicals, maintaining snow clearing equipment and hiring outside services.

FEATURES AND BENEFITS

- Ideal for driveways, parking lots, sidewalks, stairs, ramps, bridges and many other applications.
- For use in concrete, asphalt, under pavers or stone, and ceramic or stone tile.
- Single point connection.
- Twin conductor cable.
- Silent, efficient, and safe.
- Emits zero EMF (electromagnetic fields).
- Easy and flexible installation.
- Durable construction.
- 10-year limited warranty against manufacturing defects.
- Operates automatically by digitally sensing moisture and temperature.
- Versatile and easy to install.
- Eliminates costly plowing and labor-intensive snow removal.
- Reduces risk of slips and falls.

APPROVALS

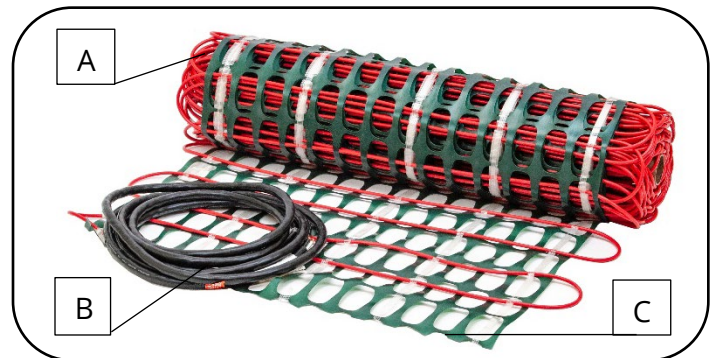


APPLICATIONS

- Asphalt
- Under Pavers



CONSTRUCTION



A. Cable

Twin conductor 240V Fluoropolymer/XLPE PVC insulated cable.

B. Lead Wire

20' lead wires provided to connect to the power source.

C. Plastic Mesh

Construction-grade plastic landscaping mesh ensures even spacing between pre-attached heating cables. Mesh makes installation and layout fast and easy as you simply unroll and arrange as desired for tire tracks or entire driveways.



HEATING MAT SELECTION GUIDE

1. Calculate Heating Mat Quantity

According to the heated space's layout and dimensions, calculate how many mats are needed to properly fit the area.

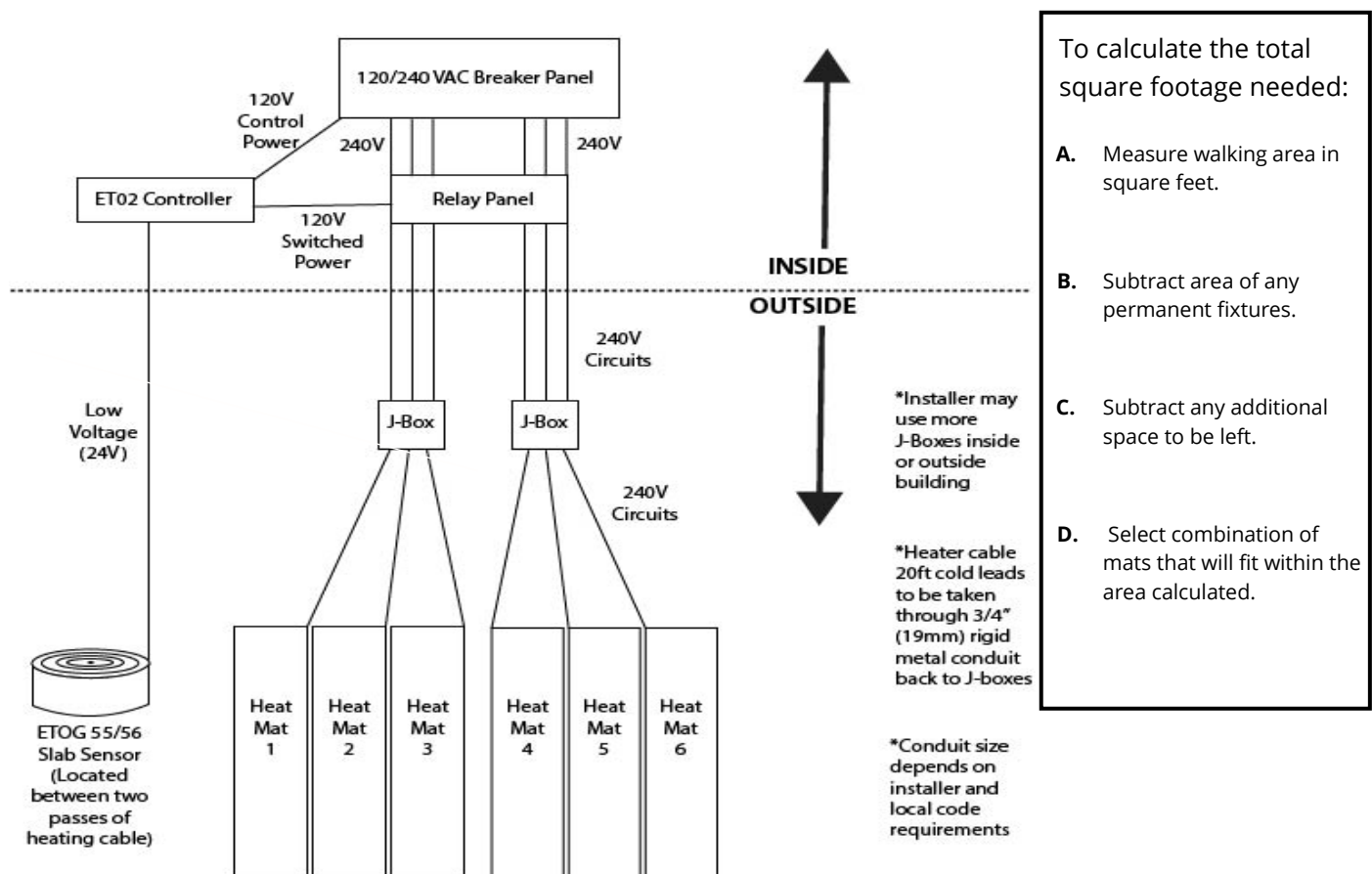
2. Select Appropriate Mat Size

Consult Sizing/Pricing chart table in this publication for guidance. Determine appropriate cables, controllers/sensors and relay combination according to the size and requirements of your project. Please call ThermoSoft® for assistance at (800) 308 -8057.

3. Consult User Manual

Refer to user manual for specifics and directions. Always consult a licensed electrician.

240V Snow Melt - 6 Circuits/Cables with ET02 Control



IMPORTANT NOTES ON CABLE SELECTION

- NeverFreeze® snow melting mats cannot be installed indoors or in areas requiring a hazardous classification.
- NeverFreeze® snow melting mats cannot be used for gutter or pipe freeze protection or roof snowmelt.
- Do not install the cable on or under non-masonry stairs or decks such as wooden or composite construction.
- You can shape the layout of your mat by cutting the mesh only. Never cut the heating cable. Doing so will cause damage and result in voided warranty.
- For more information, call (800)308-8057 or visit www.ThermoSoft.com



NEVERFREEZE® SNOW MELTING MATS ARE AVAILABLE 240 VOLT IN THESE LENGTHS:

	SKU	Width	Length	Coverage	Output		
		In.	Ft.	S.F.	Watts	Amps	Ohms
240V	TSMM009W14-240	14	9	10.4	469.8	2.3	106.7
	TSMM014W14-240	14	14	16.2	730.8	3.4	71
	TSMM023W14-240	14	23	26.7	1200.6	5.6	42.6
	TSMM041W14-240	14	41	47.6	2140.2	10.4	23
	TSMM055W14-240	14	55	63.8	2871	13.8	17.5
	TSMM064W14-240	14	64	74.2	3340.8	15.9	15.1
	TSMM073W14-240	14	73	84.7	3810.6	18.1	13.2
	TSMM083W14-240	14	83	96.3	2332.6	20.6	11.6
	TSMM093W14-240	14	93	107.9	4854.6	22.9	10.5
	TSMM105W14-240	14	105	121.8	5481	26.3	9.1
	TSMM008W16-240	16	8	10.4	468	2.3	106.7
	TSMM012W16-240	16	12	15.6	702	3.4	71
	TSMM020W16-240	16	20	26	1170	5.6	42.6
	TSMM037W16-240	16	37	48.1	2164.5	10.4	23
	TSMM049W16-240	16	49	63.7	2866.5	13.8	17.5
	TSMM057W16-240	16	57	74.1	3334.5	15.9	15.1
	TSMM064W16-240	16	64	83.2	3744	18.1	13.2
	TSMM073W16-240	16	73	94.9	4270.5	20.6	11.6
	TSMM082W16-240	16	82	106.6	4797	22.9	10.5
	TSMM093W16-240	16	93	120.9	5440.5	26.3	9.1
	TSMM007W18-240	18	7	10.5	472.5	2.3	106.7
	TSMM011W18-240	18	11	16.5	742.5	3.4	71
	TSMM018W18-240	18	18	27	1215	5.6	42.6
	TSMM032W18-240	18	32	48	2160	10.4	23
	TSMM043W18-240	18	43	64.5	2902.5	13.8	17.5
	TSMM050W18-240	18	50	75	3375	15.9	15.1
	TSMM056W18-240	18	56	84	3780	18.1	13.2
	TSMM064W18-240	18	64	96	4320	20.6	11.6
	TSMM072W18-240	18	72	108	4860	22.9	10.5
	TSMM082W18-240	18	82	123	5535	26.3	9.1
	TSMM005W24-240	24	5	10	450	2.3	106.7
	TSMM008W24-240	24	8	16	720	3.4	71
	TSMM013W24-240	24	13	26	1170	5.6	42.6
	TSMM024W24-240	24	24	48	2160	10.4	23
	TSMM033W24-240	24	33	66	2970	13.8	17.5
	TSMM038W24-240	24	38	76	3420	15.9	15.1
	TSMM043W24-240	24	43	86	3870	18.1	13.2
	TSMM043W24-240	24	49	98	4410	20.6	11.6
	TSMM055W24-240	24	55	110	4950	22.9	10.5
	TSMM062W24-240	24	62	124	5580	26.3	9.1
	TSMM004W36-240	36	4	12	540	2.3	106.7
	TSMM006W36-240	36	6	18	810	3.4	71
	TSMM009W36-240	36	9	27	1215	5.6	42.6
	TSMM017W36-240	36	17	51	2295	10.4	23
	TSMM022W36-240	36	22	66	2970	13.8	17.5
	TSMM026W36-240	36	26	78	3510	15.9	15.1
	TSMM030W36-240	36	30	90	4050	18.1	13.2
	TSMM034W36-240	36	34	102	4590	20.6	11.6
TSMM038W36-240	36	38	114	5130	22.9	10.5	
TSMM043W36-240	36	43	129	5805	26.3	9.1	



WARRANTY & MAINTENANCE

When installed according to the installation manual and proper testing has been performed throughout, the system requires no maintenance for the duration of its warranted life.

The ThermoSoft® NeverFreeze® Snow Melting Cables are warranted for 10 years against manufacturer's defects. See www.ThermoSoft.com for full warranty details.

SEE ALSO

- NeverFreeze® Snow Melting Cable
- NeverFreeze® Roof and Gutter De-icing Cables/System

CONTROLLERS – SENSORS

Code	Description
OJ - ETO2 - 4550	Snow/Ice Melt Controller 3 X 16-amp load capacity: 2 Zone control capability
OJ - ETOP - 4770	Snow/Ice Melt Controller 3 x 30-amp load capacity: Single Zone
OJ - ETOG - 55	Ground Sensor for detecting temperature and moisture
OJ - ETOG - 56/ETOK	Ground Sensor for detecting temperature and moisture with sensor tube (for asphalt applications)
OJ - ETF - 744/99	Outdoor temperature sensor for ETO2
OJ - ETOR - 55	Gutter moisture sensor
Relay Panels	4 pole 8 pole 12 pole options

ACCESSORIES

ThermoSoft® has a complete line of accessories specifically designed for use NeverFreeze®. Use only NeverFreeze® accessories to ensure the performance of the system.

Code	Description
INSTALRM	InstAlarm® Monitor for Short or Open Circuits During Installation. Available in Following Kits: TT Deluxe Install Kit (IK-TAMKGS), TT Safe Install Kit (IK-TAM), TF Install Toolkit (IK-DAMK), TT Basic Install Toolkit (IK-TA)
MULTIMTR	Digital Multimeter for Monitoring Electrical Resistance During Installation. Available in Following Kits: TT Deluxe Install Kit (IK-TAMKGS), TT Safe Install Kit (IK-TAM), TF Install Toolkit (IK-DAMK)
OJ ETO 2 BOX	Mounting Box for ETO2 controller
ETOP - R	Remote control for ETOP 4770 controller
ETOP - R - RB	Remote control for ETOP 4770 including mounting box
Repair Kit	Snow melt system repair kit

TECHNICAL SUPPORT

ThermoSoft® is available at (800)308-8057.

For quotes, layouts and specific technical information, contact us at:

ThermoSoft International Corporation
 701 Corporate Woods Parkway, Vernon Hills, IL 60061
Support@ThermoSoft.com
www.ThermoSoft.com



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the product page

