

CLEARZONE

ClearZone Mats – Data Sheet

GENERAL PRODUCT INFORMATION

ClearZone snow melting system combines the highest reliability with maximum energy efficiency. It's a proven technology that's safe, reliable and energy efficient.

Features Include:

- Single point connection
- Twin conductor cable
- Flexible installation
- Durable construction
- Silent, efficient and safe
- For use in concrete, asphalt and under pavers
- 10-year limited warranty against manufacturing defects



ClearZone – Snow Melting Mat

The convenient design, versatility and rugged construction of ClearZone electric radiant heating mats make them a favorite among homeowners and commercial construction professionals alike. The industry-leading heat cable is woven into a durable fiberglass mesh with a self-adhesive backing, simplifying the installation process and ensuring proper cable spacing.

ClearZone Mat Specifications

Cable Construction:	Twin conductor
Rated Voltage:	208, 240, 277, 347, 480, 600 V
Output:	37 W/ft ² (400 W/m ²), 50W/ft ² (540 W/m ²),
Cold lead:	20 feet (6.0 m)
Bending Radius:	Minimum 1.5 inches (38 mm)
Cable Diameter:	¼ inches (6 mm)
Conductor Insulation:	Teflon™ FEP
Filler Sheath:	PEX
Outer Insulation:	PVC
Max. Temperature:	220°F (105°C)
Min. Installation Temperature:	40°F (5°C)

The ClearZone snow melting system includes a heating cable that is pre-spaced and taped into a 3 or 4 inch on center mat that allows for simple roll-out installation

All mats are 2 feet wide. Power leads are 20 feet in length.

ORDERING INFORMATION

208 Volt

Item # 208 V Mat	Heated Area	Mat Length (feet)	Watts (50 W/Sq. ft.)	Amps	Ohms
CZM-208-15-1	15	6.5	640	3.1	67.1
CZM-208-20-1	20	10.0	1,100	5.3	39.2
CZM-208-25-1	25	12.5	1,280	6.2	33.5
CZM-208-30-1	30	15.0	1,550	7.4	28.1
CZM-208-35-1	35	17.5	1,730	8.3	25.1
CZM-208-40-1	40	20.0	1,900	9.2	22.6
CZM-208-45-1	45	22.5	2,100	10.1	20.6
CZM-208-50-1	50	25.0	2,400	11.5	18.1
CZM-208-60-1	60	30.0	3,050	14.7	14.1
CZM-208-70-1	70	35.0	3,400	16.4	12.7
CZM-208-80-1	80	40.0	3,800	18.3	11.4
CZM-208-90-1	90	45.0	4,230	20.3	10.2
CZM-208-100-1	100	50.0	5,000	24.1	8.6

240 Volt

Item # 240 V Mat	Heated Area	Mat Length (feet)	Watts (50 W/Sq. ft.)	Amps	Ohms
CZM-240-15-1	15	7.5	750	3.1	77.4
CZM-240-20-1	20	10.0	1,000	4.2	57.1
CZM-240-25-1	25	12.5	1,250	5.2	46.2
CZM-240-30-1	30	15.0	1,500	6.3	38.1
CZM-240-35-1	35	17.5	1,750	7.3	32.9
CZM-240-40-1	40	20.0	2,000	8.3	28.9
CZM-240-45-1	45	22.5	2,250	9.4	25.5
CZM-240-50-1	50	25.0	2,500	10.4	23.1
CZM-240-60-1	60	30.0	3,000	12.5	19.2
CZM-240-70-1	70	35.0	3,500	14.6	16.4
CZM-240-80-1	80	40.0	4,000	16.7	14.4
CZM-240-90-1	90	45.0	4,500	18.8	12.8
CZM-240-100-1	100	50.0	5,000	20.8	11.5
CZM-240-115-1	115	57.5	5,750	24.0	10.0
CZM-240-130-1	130	65.0	6,500	27.1	8.9

240 Volt (37 W/Sq. ft.)

Item # 240 V Mat	Heated Area	Mat Length (feet)	Watts (37 W/Sq. ft.)	Amps	Ohms
CZM-240-35-2	35	16.5	1,235	5.1	47.1
CZM-240-40-2	40	20.0	1,480	6.2	38.7
CZM-240-90-2	90	45.0	3,495	14.6	16.4
CZM-240-120-2	120	60.0	4,505	18.8	12.8
CZM-240-155-2	155	77.5	5,715	23.8	10.1

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ORDERING INFORMATION

277 Volt

Item # 277 V Mat	Heated Area	Mat Length (feet)	Watts (50 W/Sq. ft.)	Amps	Ohms
CZM-277-30-1	30	15.0	1,370	4.9	56.5
CZM-277-35-1	35	17.5	1,690	6.1	45.4
CZM-277-40-1	40	20.0	2,080	7.5	36.9
CZM-277-45-1	45	22.5	2,350	8.5	32.6
CZM-277-50-1	50	25.0	2,675	9.7	28.6
CZM-277-60-1	60	30.0	2,800	10.1	27.4
CZM-277-70-1	70	35.0	3,440	12.4	22.3
CZM-277-80-1	80	40.0	4,080	14.7	18.8
CZM-277-90-1	90	45.0	4,680	16.9	16.4
CZM-277-105-1	105	52.5	5,100	18.4	15.1
CZM-277-115-1	115	57.5	5,850	21.1	13.1

347 Volt

Item # 347 V Mat	Heated Area	Mat Length (feet)	Watts (50 W/Sq. ft.)	Amps	Ohms
CZM-347-20-1	20	10.0	1,060	3.1	111.9
CZM-347-30-1	30	15.0	1,425	4.1	84.6
CZM-347-35-1	35	17.5	1,795	5.2	66.7
CZM-347-45-1	45	22.5	2,115	6.1	56.9
CZM-347-50-1	50	25.0	2,525	7.3	47.5
CZM-347-60-1	60	30.0	2,945	8.5	40.8
CZM-347-65-1	65	32.5	3,260	9.4	36.9
CZM-347-75-1	75	37.5	3,630	10.5	33.0
CZM-347-85-1	85	42.5	4,360	12.6	27.5

480 Volt




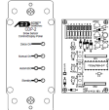



Item # 480 V Mat	Heated Area	Mat Length (feet)	Watts (50 W/Sq. ft.)	Amps	Ohms
CZM-480-20-1	20	10.0	1,000	2.1	228.6
CZM-480-30-1	30	15.0	1,500	3.1	154.8
CZM-480-40-1	40	20.0	2,000	4.2	114.3
CZM-480-50-1	50	25.0	2,500	5.2	92.3
CZM-480-60-1	60	30.0	3,000	6.3	76.2
CZM-480-70-1	70	35.0	3,500	7.3	65.8
CZM-480-80-1	80	40.0	4,000	8.3	57.8
CZM-480-90-1	90	45.0	4,500	9.4	51.1
CZM-480-100-1	100	50.0	5,000	10.4	46.2
CZM-480-120-1	120	60.0	6,000	12.5	38.4
CZM-480-140-1	140	70.0	7,000	14.6	32.9
CZM-480-160-1	160	80.0	8,000	16.7	28.7

ORDERING INFORMATION

600 Volt

Item # 600 V Mat	Heated Area	Mat Length (feet)	Watts (50 W/Sq. ft.)	Amps	Ohms
CZM-600-25-1	25	12.5	1,250	2.1	285.7
CZM-600-35-1	35	17.5	1,845	3.1	193.5
CZM-600-50-1	50	25.0	2,485	4.1	146.3
CZM-600-60-1	60	30.0	3,075	5.1	117.6
CZM-600-75-1	75	37.5	3,715	6.2	96.8
CZM-600-90-1	90	45.0	4,455	7.4	81.1
CZM-600-100-1	100	50.0	5,050	8.4	71.4
CZM-600-115-1	115	57.5	5,685	9.5	63.2
CZM-600-125-1	125	62.5	6,280	10.5	57.1
CZM-600-150-1	150	75.0	7,505	12.5	48.0

Activation Devices – Markers

	Item #	Description	Voltage
	WZ-2B	Aerial Mounted Snow Switch (30 amps) Moisture and temperature sensing	120, 240
	WZ-5	Aerial Mounted Snow Switch (60 amps) Moisture and temperature sensing	120, 240
	WZ-8	Aerial Mounted Snow Switch (30 amps) Moisture and temperature sensing Includes remote moisture sensor	120, 240
	WZ-CDP2	Auxiliary Control Unit for Aerial Mounted Snow Switch	120, 240
	WZ-02	Pavement Mounted Snow Switch and Controller Moisture and temperature sensing.	120, 240
	WZ-850	Pavement Mounted Dual Zone Automatic Control Panel Moisture and temperature sensing.	208-600
	Warmplate	Embedded Marker Plate (NEC Req'd.)	n/a

ORDERING INFORMATION
Timer/Contactor Panels



Description	Max Amps	Coil Voltage	Number of Contactors
Single Contactor Panel Used to control power supply and heating cables (120 - 600 V)	40	120, 208-240	1
Single Contactor Panel Used to control power supply and heating cables. (120 - 600 V)	60	120, 208-240	1
Dual Contactor Panel Used to control power supply and heating cables (120 - 600 V)	100	120	2
Quad Contactor Panel Used to control power supply and heating cables (120 - 600 V)	200	120	4
Dual Contactor Panel with GFEP, Used to control power supply and heating cables (120 - 600 V)	100	120	2
Quad Contactor Panel with GFEP, Used to control power supply and heating cables (120 - 600 V)	200	120	4
Dual Contactor Timer Panel with 4 hour timer, Used to control power supply and heating cables (120 - 600 V)	100	120	2
Quad Contactor Timer Panel with 4 hour timer, Used to control power supply and heating cables (120 - 600 V)	200	120	4
Dual Contactor Timer Panel with 4 hour timer and GFEP, Used to control power supply and heating cables (120 - 600 V)	100	120	2
Quad Contactor Timer Panel with 4 hour timer and GFEP, Used to control power supply and heating cables (120 - 600 V)	200	120	4

WARRANTY INFORMATION

ClearZone Mats: 10-year limited warranty.

Controls and activation devices: 2-year limited warranty.

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