

**General
Information**



Installing a Danfoss GX Snow Melting System provides a permanent solution to the problems caused by cold weather. Improve safety by providing instantaneous relief from snow and ice and increase your bottom line by reducing the costs associated with applying chemicals, owning snow clearing machinery or hiring outside services.

- Twin conductor cable
- Single point connection
- Easy and flexible installation
- Durable construction
- Silent, efficient and safe
- For use in concrete, asphalt and under pavers
- Zero EMF's (Electromagnetic fields)
- Genuine ten year non-prorated warranty

GX Specifications

Cable Construction:	Twin conductor
Rated Voltage:	208, 240, 277, 347, 480, 600V
Output (Mats):	37W/sq.ft (400W/m ²), 50W/sq.ft. (540W/m ²)
Output (Cables):	9W/ft (35W/m), 12W/ft (40W/m)
Cold Lead:	20 feet, (6.0 m)
Bending Radius:	Minimum 1.5 inches, (38 mm)
Cable Diameter:	1/4 inches(6 mm)
Conductor Insulation:	Teflon™, FEP
Filler Sheath:	PEX
Outer Insulation:	PVC
Max. Temperature:	220°F (105°C)
Min. Installation Temp.:	40°F (5°C)

See power lead label for NEC connection color code.

**Ordering Information
GX mats - 208V**

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

Part No.	Length (feet)	Coverage (sq.ft.)	Watts (50W/sq.ft.)	Amps	Ohms
088L3222	6.5	15	640	3.1	67.0
088L3223	10.0	20	1,100	5.3	39.2
088L3224	12.5	25	1,280	6.2	33.5
088L3225	15.0	30	1,550	7.4	28.0
088L3226	17.5	35	1,730	8.3	25.0
088L3227	20.0	40	1,900	9.2	22.6
088L3228	22.5	45	2,100	10.1	20.6
088L3229	25.0	50	2,400	11.5	18.0
088L3230	30.0	60	3,050	14.7	14.1
088L3231	35.0	70	3,400	16.4	12.7
088L3232	40.0	80	3,800	18.3	11.4
088L3233	45.0	90	4,230	20.3	10.2
088L3234	50.0	100	5,000	24.1	8.6
088L3235	57.5	115	5,500	26.5	7.8



Ordering Information

GX mats - 240V

- All mats are 2 feet wide.
- Power leads are 20 feet in length.
- Watt output of the 240V mat is reduced by 25% when operated at 208V (approximately 37.5W/sq.ft.).

Part No.	Length (feet)	Coverage (sq.ft.)	Watts (50W/sq.ft.)	Amps	Ohms
088L3201	7.5	15	750	3.1	77.4
088L3202	10.0	20	1,000	4.2	57.1
088L3203	12.5	25	1,250	5.2	46.1
088L3204	15.0	30	1,500	6.3	38.1
088L3205	17.5	35	1,750	7.3	32.9
088L3206	20.0	40	2,000	8.3	28.9
088L3207	22.5	45	2,250	9.4	25.5
088L3208	25.0	50	2,500	10.4	23.0
088L3209	30.0	60	3,000	12.5	19.2
088L3210	35.0	70	3,500	14.6	16.4
088L3211	40.0	80	4,000	16.7	14.4
088L3212	45.0	90	4,500	18.8	12.8
088L3213	50.0	100	5,000	20.8	11.5
088L3214	57.5	115	5,750	24.0	10.0
088L3215	65.0	130	6,500	27.1	8.9

Watt output of the 240V mats is reduced by 25% when operated at 208V (approximately 37.5W/sq.ft.)

GX mats - 240V (37W/sq.ft.)

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

Part No.	Length (feet)	Coverage (sq.ft.)	Watts (37W/sq.ft.)	Amps	Ohms
088L3300	16.5	35	1235	5.1	46.6
088L3301	20.0	40	1480	6.2	38.9
088L3302	45.0	90	3495	14.6	16.5
088L3303	60.0	120	4505	18.8	12.8
088L3304	77.5	155	5715	23.8	10.1

GX mats - 277V

- All mats are 2 feet wide.
- Power leads are 20 feet in length.
- Watt output of the 277V mat is reduced by 25% when operated at 240V (approximately 37.5W/sq.ft.).

Part No.	Length (feet)	Coverage (sq.ft.)	Watts (50W/sq.ft.)	Amps	Ohms
088L3250	15.0	30	1,370	4.9	56.5
088L3251	17.5	35	1,690	6.1	45.4
088L3252	20.0	40	2,080	7.5	36.9
088L3253	22.5	45	2,350	8.5	32.6
088L3254	25.0	50	2,675	9.7	28.6
088L3255	30.0	60	2,800	10.1	27.4
088L3256	35.0	70	3,440	12.4	22.3
088L3257	40.0	80	4,080	14.7	18.8
088L3258	45.0	90	4,680	16.9	16.4
088L3259	52.5	105	5,100	18.4	15.1
088L3260	57.5	115	5,850	21.1	13.1



Ordering Information (Cont'd)

GX mats - 347V

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

Part No.	Length (feet)	Coverage (sq.ft.)	Watts (50W/sq.ft.)	Amps	Ohms
088L3240	11.0	22	1,060	3.1	113.6
088L3241	14.5	29	1,425	4.1	84.5
088L3242	17.5	35	1,795	5.2	67.1
088L3243	21.5	43	2,115	6.1	59.9
088L3244	26.0	52	2,525	7.3	49.7
088L3245	29.0	58	2,945	8.5	40.9
088L3246	33.0	66	3,260	9.4	36.9
088L3247	36.5	73	3,630	10.5	33.2
088L3248	43.5	87	4,360	12.6	27.6

GX mats - 480V

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

Part No.	Length (feet)	Area (sq.ft.)	Watts (50W/sq.ft.)	Amps	Ohms
088L3270	10	20	1,000	2.1	228.6
088L3271	15	30	1,500	3.1	154.8
088L3272	20	40	2,000	4.2	114.3
088L3273	25	50	2,500	5.2	92.3
088L3274	30	60	3,000	6.3	76.2
088L3275	35	70	3,500	7.3	65.8
088L3276	40	80	4,000	8.3	57.8
088L3277	45	90	4,500	9.4	51.1
088L3278	50	100	5,000	10.4	46.2
088L3279	60	120	6,000	12.5	38.4
088L3280	70	140	7,000	14.6	32.9
088L3281	80	160	8,000	16.7	28.7

GX mats - 600V

- All mats are 2 feet wide.
- Power leads are 20 feet in length.
- Watt output of the 600V mat is reduced by 35% when operated at 480V (approximately 32.5W/sq.ft.).

Part No.	Length (feet)	Area (sq.ft.)	Watts (50W/sq.ft.)	Amps	Ohms
088L3290	12.5	25	1,250	2.1	288.0
088L3291	18.5	37	1,845	3.1	195.1
088L3292	24.5	49	2,485	4.1	144.9
088L3293	31.0	62	3,075	5.1	117.1
088L3294	37.0	74	3,715	6.2	96.9
088L3295	44.5	89	4,455	7.4	80.8
088L3296	51.0	102	5,050	8.4	71.3
088L3297	56.5	113	5,685	9.5	63.3
088L3298	63.0	126	6,280	10.5	57.33
088L3299	75.5	151	7,505	12.5	48.0



Controls

Part No.	Description	Voltage
088L3035	DS-2B Snow Melt Controller (30A)	120V, 240V
088L3037	DS-5 Snow Melt Controller (60A)	120V, 240V
088L3411	GX850 Dual Zone Automatic Control Panel (ACP)*	208V-600V

* Requires ground and/or roof sensors

* Control voltage 120V

Timer/Contactor Panels

Part No.	Description	Max. Amps	Coil Voltage	No. of Contactors
088L3450	Single Contactor, 600V	40	120	1
088L3451	Single Contactor, 600V	40	208-240	1
088L3456	Single Contactor, 600V	60	120	1
088L3457	Single Contactor, 600V	60	208-240	1
088L3440	GX Timer Panel with 4hr timer, 600V	100	120	2
088L3441	GX Contactor Panel without timer, 600V	100	120	2
088L3442	GX Timer Panel, with 4hr timer, 600V	200	120	4
088L3443	GX Contactor Panel, without timer, 600V	200	120	4

All contactors are complete with NEMA 1 enclosure

100A contactor/timer panels consist of two, 3P, 50A contactors

200A contactor/timer panels consist of four, 3P, 50A contactors

Accessories

Part No.	Description
088L1050	Cable Strapping (15ft)
088L1051	Cable Strapping (75ft)
088L3051	Ground Sensors (two per package, includes 50ft. lead wire)
088L3052	Roof Sensor (includes 50ft. lead wire)
088L3405	Nameplate (per NEC 426-13)
088L0010	GX Repair Kit (includes: crimp connectors, heat shrink tubes, repair wire)
088L3038	CDP-2 Remote Control & Display for Snow Sensors*
088L3039	CS-1 Remote Control/Monitor Pigtail for CDP-2

*CDP-2 installation requires use of CS-1 pigtail

*CDP-2 can be used with DS-2B and DS-5 controllers

Warranty

Cable/Mat: Genuine ten year comprehensive extended warranty against defects in material, design, and workmanship.

Technical Services

For technical questions, please contact Danfoss Heating Division North America at **1-866-676-8062**, or via the web at **www.LX.Danfoss.com**

Danfoss can accept no responsibility for possible errors in catalogues, brochures, other printed materials, and website information. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alteration can be made without subsequent changes being necessary in specifications already agreed upon. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are registered trademarks of Danfoss A/S. All rights reserved.



Danfoss Inc.
Toronto
Toll Free: 866-676-8062
Phone: 905-285-2050
Fax: 905-285-2055
www.LX.Danfoss.com

Danfoss GX
BRINGING WARMTH TO LIFE