# Data Sheet

# GX Mats
# Electric Snow Melting

## 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 twenty year non-prorated warranty

## Technical Data

| | |
|---|---|
| Cable Construction: | Twin conductor |
| Rated Voltage: | 208V, 240V, 480V |
| Output (Mats): | 37W/sq.ft. (398W/m²), 50W/sq.ft. (540W/m²) |
| Output (Cables): | 9W/ft. (30W/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 (6.5 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 20 feet in length.

| Part No. | Length (feet) | Coverage (sq.ft.) | Watts (50W/sq.ft.) | Amps | Ohms |
|---|---|---|---|---|---|
| 088L3222 | 6.5 | 15 | 645 | 3.1 | 67.0 |
| 088L3223 | 10.0 | 20 | 1,100 | 5.3 | 39.2 |
| 088L3225 | 15.0 | 30 | 1,540 | 7.4 | 28.0 |
| 088L3227 | 20.0 | 40 | 1,910 | 9.2 | 22.6 |
| 088L3229 | 25.0 | 50 | 2,390 | 11.5 | 18.0 |
| 088L3230 | 30.0 | 60 | 3,055 | 14.7 | 14.1 |
| 088L3231 | 35.0 | 70 | 3,410 | 16.4 | 12.7 |
| 088L3232 | 40.0 | 80 | 3,805 | 18.3 | 11.4 |
| 088L3233 | 45.0 | 90 | 4,220 | 20.3 | 10.2 |
| 088L3234 | 50.0 | 100 | 5,010 | 24.1 | 8.6 |

## 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 (approx. 37.5W/sq.ft.)

| Part No. | Length (feet) | Coverage (sq.ft.) | Watts (50W/sq.ft.) | Amps | Ohms |
|---|---|---|---|---|---|
| 088L3201 | 7.5 | 15 | 745 | 3.1 | 77.4 |
| 088L3202 | 10.0 | 20 | 1,010 | 4.2 | 57.1 |
| 088L3204 | 15.0 | 30 | 1,510 | 6.3 | 38.1 |
| 088L3206 | 20.0 | 40 | 1,990 | 8.3 | 28.9 |
| 088L3208 | 25.0 | 50 | 2,500 | 10.4 | 23.0 |
| 088L3209 | 30.0 | 60 | 3,500 | 12.5 | 19.2 |
| 088L3210 | 35.0 | 70 | 3,505 | 14.6 | 16.4 |
| 088L3211 | 40.0 | 80 | 4,010 | 16.7 | 14.4 |
| 088L3212 | 45.0 | 90 | 4,510 | 18.8 | 12.8 |
| 088L3213 | 50.0 | 100 | 4,990 | 20.8 | 11.5 |
| 088L3214 | 57.5 | 115 | 5,760 | 24.0 | 10.0 |
| 088L3215 | 65.0 | 130 | 6,505 | 27.1 | 8.9 |

## Ordering Information GX Mats - 240V (37.5W/sq.ft.)

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

| Part No. | Length (feet) | Coverage (sq.ft.) | Watts (37W/sq.ft.) | Amps | Ohms |
|---|---|---|---|---|---|
| 088L3301 | 20.0 | 40 | 1,485 | 6.2 | 38.9 |
| 088L3302 | 45.0 | 90 | 3,505 | 14.6 | 16.5 |
| 088L3303 | 60.0 | 120 | 4,510 | 18.8 | 12.8 |
| 088L3304 | 77.5 | 155 | 5,710 | 23.8 | 10.1 |

## Ordering Information GX Mats - 480V

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

| Part No. | Length (feet) | Coverage (sq.ft.) | Watts (50W/sq.ft.) | Amps | Ohms |
|---|---|---|---|---|---|
| 088L3270 | 10.0 | 20 | 1,005 | 2.1 | 228.6 |
| 088L3272 | 20.0 | 40 | 2,015 | 4.2 | 114.3 |
| 088L3274 | 30.0 | 60 | 3,025 | 6.3 | 76.2 |
| 088L3276 | 40.0 | 80 | 3,985 | 8.3 | 57.8 |
| 088L3278 | 50.0 | 100 | 4,990 | 10.4 | 46.2 |
| 088L3279 | 60.0 | 120 | 6,000 | 12.5 | 38.4 |
| 088L3280 | 70.0 | 140 | 7,005 | 14.6 | 32.9 |
| 088L3281 | 80.0 | 160 | 8,015 | 16.7 | 28.7 |

## Controls

| Part No. | Description | Voltage |
|---|---|---|
| 088L3415 | GX850M Dual Zone Controller* | 120V |
| 088L3412 | GX850 Dual Zone Automatic Control Panel (ACP)* | 120V |
| 088L3044 | DS-2C Snow Melt Controller (30A) | 100-277V |
| 088L3046 | DS-5C Snow Melt Controller (60A - 2x30A) | 100-277V |

*Requires ground and/or roof sensors *Control voltage 120V

*Control voltage 120V

## Timer/Contactor Panels

| Part No. | Description | Max. Amps | Coil Voltage | No. of Contactors |
|---|---|---|---|---|
| 088L3450 | Single Contactor, 3P, 600V | 120 | 120 | 1 |
| 088L3451 | Single Contactor, 3P, 600V | 120 | 208-240 | 1 |
| 088L3440 | GX Timer Panel with 4hr timer, 600V, 6 Pole | 300 | 120 | 2 |
| 088L3442 | GX Timer Panel with 4hr timer, 600V, 12 Pole | 600 | 120 | 4 |
| 088L3444 | Contactor Panel with Timer & GFEP, 300A, 6 Pole | 300 | 120 | 2 |
| 088L3446 | Contactor Panel with Timer & GFEP, 300A, 12 Pole | 600 | 120 | 4 |

All contactors are complete with NEMA 1 enclosure

300A contactor/timer panels consist of two, 3P, 50A contactors

600A contactor/timer panels consist of four, 3P, 50A contactors

## Accessories

| Part No. | Description |
|---|---|
| 088L1053 | Cable Strapping (15 ft./4.5m) |
| 088L1054 | Cable Strapping (75 ft./22.9m) |
| 088L3051 | Ground Sensor (Two per package, includes 50 ft./15m lead wire) |
| 088L3052 | Roof Sensor (includes 50 ft./15m. 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 and Display for Snow Sensors* |
| 088L3039 | CS-1 Remote Control/Monitor Pigtail for CDP-2 |
| 89999997 | Extended Power Leads, factory spliced, 5 ft. increments** |

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

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

**Allow 10-12 weeks delivery time

## Warranty

Genuine twenty 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**. More information on Danfoss Electric Heating products is available at **www.LX.Danfoss.com**.

**Danfoss**
**Toronto**
Toll Free: 1-866-676-8062
Tel.: 905-285-2050
Fax: 416-352-5981
www.LX.Danfoss.com

Danfoss**GX**
BRINGING WARMTH TO LIFE