

CHASE AWAY THE COLD

commercial and residential product guide

Chase away the cold this winter with quality products from Border States. We have a complete selection of electric heat, ventilation and de-icing products in stock. Call or visit us to learn more about our electrical solutions and products for all your cold weather needs.



BORDER STATES
Supply Chain Solutions™

CONVECTAIR

THE CONVECTAIR ADVANTAGE

We all know that hot air rises and cool air remains at floor level. If you use a thermometer to measure the temperature near the ceiling and then the floor, you'll note a considerable difference. Natural convection heating units use this phenomenon to turn a potential problem into a better solution.

The Convectair heating unit naturally draws cool air along the floor and then reheats it, using a highly efficient patented heating element. The heated air rises in the unit and is gently diffused through the grilles at the top.

The intake of cool air from the bottom and the output of warm air from the top is known as the chimney effect. This natural acceleration pushes the hot air to the front of the unit rather than towards the wall and helps the heat to spread evenly throughout the room. Hot and cool air mix more rapidly and efficiently. You feel much more comfortable, since the degree of warmth that you've selected is the same throughout the entire room. With Convectair, cold feet are a thing of the past. But that's not all, convection reduces heating costs, since the heat produced is distributed more efficiently and evenly. And since a natural convection Convectair unit doesn't require a motor or fan, it operates in total silence.

The equation is simple—more comfort for less money. You'll appreciate the Convectair advantage.

A COMMON PROBLEM

Thermostats are traditionally installed on an interior wall at a height of five feet. Sometimes, only one thermostat controls the heating system of an entire house. It's easy to understand why the temperature varies from one room to another, and why overall comfort is an impossible goal.

Installed at the usual height, a wall thermostat cannot detect cooler air at floor level. The cooler air must reach the thermostat before the heating kicks in. This phenomenon causes major temperature differences between the floor and ceiling. Your feet get cold, even if the thermostat displays the temperature you've selected. Most people react by turning the thermostat up a degree. A while later, the room gets too hot so you turn down the thermostat again and the endless cycle continues. You never reach a true comfort level, and you waste energy, too.

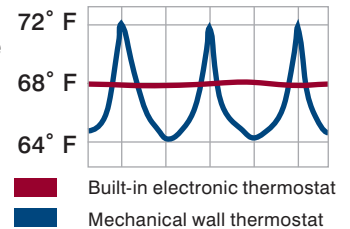
An electronic wall thermostat is more precise, but you're not much further ahead, as the temperature is still measured at a height of five feet from the floor.

CONSISTENT ROOM TEMPERATURE WITH CONVECTAIR

Almost all Convectair units come with a built-in, ultra-sensitive electronic thermostat, accurate to $1/5^{\circ}$ F ($1/10^{\circ}$ C), with a thermostat probe mounted only four inches off the floor.

Convectair units react faster. The thermostat more accurately detects temperature fluctuations at floor level, where the cooler air accumulates. At the same time, differences in temperature between the floor and ceiling are reduced considerably. Add natural convection, which gently moves the heat throughout the room, and you reach an unbeatable comfort level, with temperature variations of only $1/5^{\circ}$ F ($1/10^{\circ}$ C).

Other types of heating that use mechanical wall thermostats produce temperature fluctuations of 7° – 11° F (4° – 6° C). The diagram to the right compares the two systems.





Allegro Convection Heater

The Allegro family weds technology and design in a high-performance natural convection heating system. The simple and intuitive digital control makes managing comfort easy and maximizes energy savings.

- Quick-mounted surface installation with easy snap-on bracket that also serves as marking template
- GO BOX technology that allows 240 V flexible cord connection with or without a 2 x 3 wall box
- X-shaped, monoblock element with manual reset overheat protection
- Built-in, electronic, proportional-action thermostat ultrasensitive to 1/5° F
- Control panel located on top right-hand side of the unit
- Color: white (also available in off-white)

CONVECTAIR

Allegro14

14" tall low profile convection heater allows you to make use of space that would otherwise be lost.



| Mfg Part # | Volts | Watts | Amps | Length | BSE Part# |
|------------|-------|-------|------|---------|----------------|
| 7302-C05BB | 240 | 500 | 2.1 | 19-1/4" | 2401207 |
| 7302-C07BB | 240 | 750 | 3.15 | 22-3/8" | 2401209 |
| 7302-C10BB | 240 | 1,000 | 4.2 | 25-1/2" | 2401211 |
| 7302-C12BB | 240 | 1,250 | 5.25 | 33-3/8" | 2401213 |
| 7302-C15BB | 240 | 1,500 | 6.3 | 33-3/8" | 2401215 |
| 7302-C17BB | 240 | 1,750 | 7.35 | 44-1/2" | 2401217 |
| 7302-C20BB | 240 | 2,000 | 8.4 | 44-1/2" | 2401219 |

Allegro18

18" tall classic model convection heater fits into any room in your home.



| Mfg Part # | Volts | Watts | Amps | Length | BSE Part# |
|------------|-------|-------|------|---------|----------------|
| 7303-C05BB | 240 | 500 | 2.1 | 19-1/4" | 2401223 |
| 7303-C07BB | 240 | 750 | 3.15 | 19-1/4" | 2401225 |
| 7303-C10BB | 240 | 1,000 | 4.2 | 22-3/8" | 2401227 |
| 7303-C12BB | 240 | 1,250 | 5.25 | 25-1/2" | 2401229 |
| 7303-C15BB | 240 | 1,500 | 6.3 | 30-1/4" | 2401231 |
| 7303-C17BB | 240 | 1,750 | 7.35 | 33-3/8" | 2401233 |
| 7303-C20BB | 240 | 2,000 | 8.4 | 33-3/8" | 2401235 |



Allegro26

26" tall convection heater featuring a narrow format slips into tight spaces between furniture or at the end of a counter, leaving the walls free.



| Mfg Part # | Volts | Watts | Amps | Length | BSE Part# |
|------------|-------|-------|------|---------|----------------|
| 7304-C05BB | 240 | 500 | 2.1 | 13" | 2401240 |
| 7304-C07BB | 240 | 750 | 3.15 | 14-1/2" | 2401242 |
| 7304-C10BB | 240 | 1,000 | 4.2 | 16-1/8" | 2401244 |
| 7304-C12BB | 240 | 1,250 | 5.25 | 19-1/4" | 2401246 |
| 7304-C15BB | 240 | 1,500 | 6.3 | 22-3/8" | 2401248 |
| 7304-C17BB | 240 | 1,750 | 7.35 | 25-1/2" | 2401250 |
| 7304-C20BB | 240 | 2,000 | 8.4 | 30-1/4" | 2401252 |

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Apero Convection Heater

State-of-the-art technology along with a one-piece, highly efficient, absolutely silent heating element that provides soft, even and constant heat through natural convection heat. Installed 4 inches above the floor, the fanless units draw cold air from the floor, heats and then quietly redistributes air throughout the room or warming the wall and ceiling. Its versatility allows it to be installed almost anywhere.

- X-shaped, monoblock element with manual reset overheat protection
- Built-in, electronic, proportional-action thermostat ultrasensitive to 1/5° F
- Control panel located on top right-hand side of the unit
- Indicator light shows element is heating
- Quick mount surface installation with easy snap-on bracket that also serves as marking template
- Plug-in connection with 6' flexible cord

CONVECTAIR

| Mfg Part # | Dimensions (h x w x d) | Volts | Watts | Amps | BSE Part # |
|------------|------------------------|-------|-------|------|------------|
| 7358-B05BM | 17-1/2" x 13-3/8" x 4" | 120 | 500 | 4.2 | 1463509 |
| 7358-B12BM | 17-1/2" x 13-3/8" x 4" | 120 | 1,250 | 10.5 | 1463510 |



Calypto Bathroom Heater

Small on size and big on efficiency with splashproof construction, the Calypso is recommended for all bathrooms. For instant warmth on demand, this dual purpose unit generates 750 watts of thermostat-controlled, fan-forced heat and 1,500 watts of timer-controlled instant heat on demand.

- Programmable, integral electronic thermostat
- 30-minute resettable mechanical timer for quick heating
- Control panel located on top of unit with protective cover
- Easy-to-clean, removable rear-mounted built-in lint filter
- Quick-mount surface installation with easy snap-on bracket that also serves as marking template
- Plug-in connection with 6' flexible cord

CONVECTAIR

| Mfg Part # | Dimensions (h x w x d) | Volts | Watts | Amps | BSE Part # |
|------------|------------------------|-------|---------------|------|------------|
| 7825-B15BB | 16" x 12-1/4" x 5-1/2" | 120 | 750/ 1,500 | 12.5 | 1463512 |



Jazz Towel Warmer

Heats bathrooms and dries towels. Its quiet, precise, and powerful 750 watt natural convection heating is controlled by an integral electronic thermostat. The timer and function selector allows your customers to benefit from 1,500 watts of power by choosing the right combination of heat, ventilation and operating time, or ambient air ventilation in summer. Cabinet is made of splashproof construction with rounded edges.

- X-shaped, monoblock element with manual reset overheat protection
- Built-in, electronic, proportional-action thermostat ultrasensitive to 1/5° F
- 30-minute resettable mechanical timer for drying or fast heating
- 3-mode/function selector: fast heat, towel and room temperature drying
- Control panel located in front of unit with protective cover
- Indicator light shows element is heating
- Quick-mount surface installation with easy snap-on bracket that also serves as marking template
- Plug-in connection with 6' flexible cord

CONVECTAIR

| Mfg Part # | Dimensions (h x w x d) | Volts | Watts | Amps | BSE Part # |
|------------|----------------------------|-------|---------------|------|------------|
| 7618-B15BB | 24-1/4" x 20-1/8" x 8-5/8" | 120 | 750/ 1,500 | 12.5 | 1463511 |





Soprano Fan-Forced Heater

The Soprano is the best choice for a higher installation. Compact and versatile, the Soprano is a practical solution for occasional heating needs in small rooms such as bathrooms or where floor-level space is limited. It can be installed on a 120 V or 240 V circuit and can be timer-controlled (timer sold separately) for quick heat whenever you need it. Cabinet is of splashproof construction with rounded edges.

- Fan-forced heat
- Quick-mount surface installation with easy snap-on bracket
- Armored cable and wire connector supplied with heater
- Color: white



CONVECTAIR

| Mfg Part # | Dimensions (h x w x d) | Volts | Watts | Amps | BSE Part # |
|------------|---------------------------|-------------|---------------|------|------------|
| 7808-C15BB | 8-1/2" x 12-1/2" x 5-1/2" | 240/ 120 | 750/ 1,500 | 6.3 | 1472285 |

Commercial Ceiling Fans

- Designed for both winter heat destratification and summertime cooling
- Permanently sealed double ball bearings motor
- Steel blades
- White epoxy finish
- 56" blade diameter



| Mfg Part # | Volts | Max CFM | Area coverage per fan | BSE Part # |
|------------|-------|---------|-----------------------|------------|
| 56HRCF | 120 | 19,800 | 3,025 sq ft | 1699020 |
| CPF56 | 120 | 24,000 | 3,025 sq ft | 882506 |
| 56001 | 120 | 27,500 | 3,800 sq ft | 882507 |

SOLID-STATE MOTOR SPEED CONTROLS

| Mfg Part # | Amps | 56" fans per control | BSE Part # |
|------------|------|----------------------|------------|
| 12003 | 3 | 2 | 882503 |
| 12006 | 6 | 5 | 882504 |
| 12012 | 12 | 10 | 882505 |

RCC Cove Heaters

RCC Series Cove Heaters fulfill the requirements of virtually any type of residential or commercial heating situation. Individual room control, ease of installation and out-of-the-way mounting make it equally desirable for total supplemental comfort heating. Heaters are an off-white color to complement any interior wall design.

- Radiant heat is directed downward, warming people and objects near the floor
- Heat from these objects rises towards the ceiling, equalizing room air temperature



| Mfg Part # | Volts | Watts | Amps | Length | BSE Part # |
|------------|-------|-------|------|----------|------------|
| RCC-4524C | 240 | 450 | 1.9 | 34" | 1586852 |
| RCC-6024C | 240 | 600 | 2.5 | 47" | 1586855 |
| RCC-7524C | 240 | 750 | 3.1 | 59" | 1586859 |
| RCC-9024C | 240 | 900 | 3.7 | 71" | 1586863 |
| RCC-10524C | 240 | 1,050 | 4.4 | 83" | 1586867 |
| RCC-12024C | 240 | 1,200 | 5 | 94" | 1586871 |
| RCC-15024C | 240 | 1,500 | 6.2 | 118-1/8" | 1586874 |
| RCC-18024C | 240 | 1,800 | 7.5 | 132" | 1586877 |

ACCESSORIES

| Mfg Part # | Description | BSE Part # |
|------------|---------------------------|------------|
| RCCT | Unit thermostat, SP, 22 A | 112037 |
| RCCSPC | Splice plate kit | 1719001 |

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2500 Baseboard Heaters

For use in residential construction such as single-family homes, apartments, modular or mobile homes as well as commercial, industrial, and institutional construction. Install as primary, secondary, or supplemental heat for new construction or remodel applications. Heaters are a Navajo White finish to complement all interior decors.



| Mfg Part # | Volts | Watts | Amps | Length | BSE Part # |
|------------|-------|-------|------|--------|------------|
| 2512W | 120 | 400 | 3.4 | 2' | 112074 |
| 25126W | 120 | 500 | 4.2 | 2-1/2' | 112078 |
| 2513W | 120 | 750 | 6.2 | 3' | 112082 |
| 2514W | 120 | 1,000 | 8.4 | 4' | 112089 |
| 2515W | 120 | 1,250 | 10.4 | 5' | 671203 |
| 2516W | 120 | 1,500 | 12.4 | 6' | 112098 |
| 2542W | 240 | 400 | 1.7 | 2' | 112075 |
| 25426W | 240 | 500 | 2.1 | 2-1/2' | 112080 |
| 2543W | 240 | 750 | 3.1 | 3' | 112085 |
| 2544W | 240 | 1,000 | 4.2 | 4' | 112092 |
| 2545W | 240 | 1,250 | 5.2 | 5' | 112097 |
| 2546W | 240 | 1,500 | 6.2 | 6' | 112102 |
| 2548W | 240 | 2,000 | 8.3 | 8' | 112109 |
| 25408W | 240 | 2,500 | 10.4 | 8' | 112072 |

ACCESSORIES

| Mfg Part # | Description | BSE Part # |
|------------|--|------------|
| TA1AW | Unit thermostat, SP, 22 A, 40 – 100° F | 112114 |
| TA2AW | Unit thermostat, DP, 22 A, 40 – 100° F | 112117 |
| M601W | Wall thermostat, SP, 22 A, 45 – 75° F | 112141 |
| M602W | Wall thermostat, DP, 22 A, 45 – 75° F | 112145 |

QTS Toe Space Fan-Forced Heaters

- Quiet, tangential blower
- Built-in remote thermostat models
- Multiple wattages
- Steel plate fin element



| Mfg Part # | Volts | Watts | Amps | Thermostat | BSE Part # |
|------------|-------|-----------|----------|------------|------------|
| QTS1100 | 120 | 1125/562 | 9.4/4.7 | B | 909109 |
| QTS1104 | 240 | 1,125/562 | 4.7/2.3 | B | 112061 |
| | 208 | 844/421 | 4.1/2.0 | B | |
| QTS1500T | 120 | 1,500/750 | 12.5/6.3 | A | 748154 |
| QTS1504T | 240 | 1,500/750 | 6.3/3.1 | A | 112062 |
| | 208 | 1125/562 | 5.4/2.7 | A | |

ACCESSORIES

| Mfg Part # | Description | BSE Part # |
|------------|---|------------|
| QTSTSP | Unit thermostat, SP, 25 A, at 120 – 240 Vac, 45 – 85° F | 112059 |

A: Factory built-in single-pole.

B: Utilize optional wall thermostat or QTS-TSP accessory.

HUH Unit Heater

Used for primary, supplementary, or auxiliary heating. For factories, stores, warehouses, public buildings, service stations, workshops, large or exposed areas.

- Smooth, quiet operation
- Automatic fan delay
- Air delivery data: 270 CFM
- High-limit cutout automatically shuts off current in event of overheating
- Airflow can be directed horizontally, vertically, or any position in between for precise control



| Mfg Part # | Volts | Phase | kW | Amps | BSE Part # |
|------------|-------|-------|-----------|-----------|------------|
| HUH524TA | 240 | 1 | 5.0/2.5 | 20.9/10.4 | 908485 |
| | 208 | 1 | 3.75/1.87 | 18.0/9.0 | |
| HUH724ST | 240 | 1 – 3 | 7.5 | 31.3 | 2087612 |



HUHAA Unit Heater

Unit mounts either horizontally or vertically, so it's totally versatile. For factories, warehouses, garages, stores, shipping rooms, power stations, and aircraft hangers. Can be used for primary, supplementary, spot, or dual-system heating.



| Mfg Part # | ELECTRICAL DATA | | | | AIR DELIVERY DATA | | BSE Part # |
|------------|-----------------|-------|-----|------|-------------------|-----|------------|
| | Volts | Phase | kW | Amps | CFM | FPM | |
| HUHAA524 | 240 | 1-3 | 8 | 21 | 350 | 800 | 909018 |
| | 208 | 1-3 | 3.7 | 18 | | | |
| HUHAA724 | 240 | 1-3 | 7.5 | 31.3 | 650 | 970 | 909026 |
| | 208 | 1-3 | 5.6 | 27 | | | |
| HUHAA1024 | 240 | 1-3 | 10 | 42 | 650 | 970 | 908360 |
| | 208 | 1-3 | 7.5 | 36 | | | |
| HUHAA1048 | 480 | 3 | 10 | 12 | 650 | 970 | 908502 |

ACCESSORIES

| Mfg Part # | Description | BSE Part # |
|------------|---|------------|
| B10 | Universal wall and ceiling mounting bracket | 111892 |
| UHMT1 | Internal thermostat, SP | 111896 |
| UHMT2 | Internal thermostat, 2-stage | 111898 |

FRA Fan-Forced Wall Heaters

Fast heat response, compact design, and versatility make the FRA series heaters ideal for dens, basements, converted attics and breezeways, garages, bathrooms, small offices, workshops and similar areas. Also, they are adaptable to multiple installations in somewhat larger or odd-shaped rooms.

- Heavy-duty steel fin heating elements
- Built-in thermostat, thermal cutout fan delay
- Two pole disconnect switch
- Contemporary styling to complement any room
- Rugged louvered steel grille



| Mfg Part # | Volts | Watts | Amps | BSE Part # |
|------------|-------|-------|------|------------|
| FRA4020 | 208 | 4,000 | 19.2 | 909454 |
| FRA4024 | 240 | 4,000 | 16.7 | 909456 |
| | 208 | 3,000 | 14.4 | |
| FRA4027 | 277 | 4,000 | 14.4 | 909458 |
| | 240 | 3,000 | 12.5 | |
| FRA4824 | 240 | 4,800 | 20 | 908392 |
| | 208 | 3,600 | 17.3 | |

ACCESSORIES

| Mfg Part # | Description | BSE Part # |
|------------|--------------------------|------------|
| FRASM | Surface mounting frame | 909460 |
| FRAFCTP | Tamper-proof front cover | 909445 |

CHASE AWAY THE COLD

GFR Fan-Forced Wall Heaters

- Fast heat response
- Contemporary styled front cover features beveled edges with Northern White finish
- Quiet tangential blower provides smooth airflow with minimal noise
- Ideal for bedrooms, dens, basement, converted attics, and bathrooms
- Field adaptable to lower wattages using patented Clip-N-Fit® terminal board



| Mfg Part # | Volts | Watts | Amps | Thermostat | BSE Part # |
|------------|-------|-------|------|-------------|------------|
| GFR1500 | 120 | 1,500 | 12.5 | No | 112045 |
| | | 1,125 | 9.4 | | |
| | | 750 | 6.3 | | |
| | | 375 | 3.1 | | |
| GFR2004 | 240* | 2,000 | 8.3 | No | 112043 |
| | | 1,500 | 6.3 | | |
| | | 1,000 | 4.2 | | |
| | | 500 | 2.1 | | |
| GFR2404 | 240* | 2,400 | 10 | No | 671641 |
| | | 1,200 | 5 | | |
| GFR1500T2 | 120 | 1,500 | 12.5 | Double-pole | 112054 |
| | | 1,125 | 9.4 | | |
| | | 750 | 6.3 | | |
| | | 375 | 3.1 | | |
| GFR2004T2 | 240* | 2,000 | 8.3 | Double-pole | 112056 |
| | | 1,500 | 6.3 | | |
| | | 1,000 | 4.2 | | |
| | | 500 | 2.1 | | |
| GFR2404T2 | 240* | 2,400 | 10 | Double-pole | 112058 |
| | | 1,200 | 5 | | |

*Will operate on 208 V at 75% of rated wattages.

SRA Residential Fan-Forced Heaters

- Fast-response coil element assures quick heat and low maintenance
- Three-piece construction for ease of installation
- European styling/sleek rounded corners
- Contemporary styling with no exposed screw heads
- Built-in thermostat, automatic fan delay and disconnect switch incorporated in the unit
- Designed for recessed or surface wall mounting



| Mfg Part # | Volts | Watts | Amps | BSE Part # |
|------------|-------|-------|------|------------|
| FRA4020 | 208 | 4,000 | 19.2 | 909454 |
| FRA4024 | 240 | 4,000 | 16.7 | 909456 |
| | 208 | 3,000 | 14.4 | |
| FRA4027 | 277 | 4,000 | 14.4 | 909458 |
| | 240 | 3,000 | 12.5 | |
| FRA4824 | 240 | 4,800 | 20 | 908392 |
| | 208 | 3,600 | 17.3 | |

ACCESSORIES

| Mfg Part # | Description | BSE Part # |
|------------|--------------------------|------------|
| FRASM | Surface mounting frame | 909460 |
| FRAFCTP | Tamper-proof front cover | 909445 |

Berko TBX Mobile Warming

The TBX Series Mobile Warmer is a powerful portable heater. This unit also features a latched storage area on top for miscellaneous items such as tools and hardware or lunch. 8 inch diameter pneumatic wheels allow for easy rolling over obstacles to the spot where heat is needed.

- Includes 8' cord and NEMA 6-50P plug
- Thermostat with positive off and fan only position
- Collapsible handle for easy transport and storage
- High temperature safety limit



| Mfg Part # | Volts | Watts | Amps | BSE Part # |
|------------|-----------|-------|------|------------|
| TBX754 | 240 V 3PH | 7,500 | 31.2 | 2416251 |
| TBX104 | 240 V 3PH | 9,500 | 39.6 | 2416250 |



LX Electric Floor Heating Mats

Safe and reliable floor heating system that has dual self-adhesive mats.

- Pre-applied heating cable
- Mat width: 2 ft
- 212° F max rating
- Only adds 3/16 inch height
- No fastening required
- Approved for wet locations



| Mfg Part # | Length | Watts | Volts | Ampere Rating | Weight | Coverage (sq ft) | BSE Part # |
|------------|---------|-------|-------|---------------|--------|------------------|------------|
| 088L3150 | 5' | 120 | 120 | 1.0 A | 2.32 | 10 | 2989971 |
| 088L3151 | 7-1/2' | 180 | 120 | 1.5 A | 2.74 | 15 | 2990193 |
| 088L3152 | 10' | 240 | 120 | 2.0 A | 3.18 | 20 | 2990194 |
| 088L3153 | 12-1/2' | 300 | 120 | 2.5 A | 3.60 | 25 | 2990195 |
| 088L3154 | 15' | 360 | 120 | 3.0 A | 4.02 | 30 | 2990196 |
| 088L3155 | 17-1/2' | 420 | 120 | 3.5 A | 4.75 | 35 | 2990197 |
| 088L3156 | 20' | 480 | 120 | 4.0 A | 5.17 | 40 | 2990198 |
| 088L3158 | 25' | 600 | 120 | 4.9 A | 6.11 | 50 | 2989978 |
| 088L3160 | 30' | 720 | 120 | 6.0 A | 6.95 | 60 | 2990199 |
| 088L3175 | 17-1/2' | 420 | 240 | 1.8 A | 4.51 | 35 | 2989980 |
| 088L3176 | 20' | 480 | 240 | 2.0 A | 4.97 | 40 | 2990200 |
| 088L3177 | 25' | 600 | 240 | 2.5 A | 5.98 | 50 | 2990201 |
| 088L3178 | 30' | 720 | 240 | 3.0 A | 6.89 | 60 | 2990202 |
| 088L3179 | 35' | 850 | 240 | 3.5 A | 7.81 | 70 | 2354050 |
| 088L3180 | 40' | 960 | 240 | 4.0 A | 8.72 | 80 | 2354049 |
| 088L3181 | 45' | 1080 | 240 | 4.5 A | 9.64 | 90 | 2990203 |
| 088L3182 | 50' | 1200 | 240 | 5.0 A | 10.74 | 100 | 2990204 |
| 088L3183 | 55' | 1320 | 240 | 5.5 A | 11.76 | 110 | 2990205 |
| 088L3184 | 60' | 1440 | 240 | 6.0 A | 12.68 | 120 | 2354025 |
| 088L3185 | 72-1/2' | 1740 | 240 | 7.3 A | 14.96 | 145 | 2989990 |

Electric Heating Thermostats

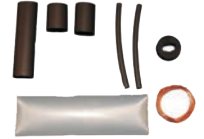
Raises the bar for aesthetic appeal while offering industry-leading functionality.

- Large backlit display
- Includes Class-A GFCI
- Simple to program
- 120 V or 240 V capability
- Four event, seven day programming
- 15 A max load
- 40–104° F operating temperature



| Mfg Part # | Description | BSE Part # |
|------------|---|------------|
| 088L5130 | Programmable thermostat with floor sensor | 2989960 |
| 088L5133 | Non-programmable thermostat with floor sensor | 2989962 |

Roof and Gutter De-Icing Accessories



| Mfg Part # | Description | BSE Part # |
|------------|--|------------|
| 088L0006 | Power connection kit, cable to power lead, includes one end seal | 2989914 |
| 088L0008 | Splice/tee kit, includes one end seal | 2990156 |
| 088L0023 | Power connection kit, cable to box, includes one end seal | 2989915 |
| 088L1457 | End seal kit, includes five end seals | 2989922 |
| 088L0024 | RX-C roof clips type A (25/bag) | 2990157 |
| 088L3002 | Down spout edge protection plate | 2989921 |

Contactor Panels



| Mfg Part # | Description | Volts | Coil Volts | Ampere Rating | BSE Part # |
|------------|------------------|-------|------------|---------------|------------|
| 088L3451 | Single contactor | 600 | 208–240 | 40 A | 2990137 |

Electric Floor Heating Accessories



| Mfg Part # | Description | BSE Part # |
|------------|---|------------|
| 088L0014 | Includes crimp connectors, repair wire, heat shrink and tubes | 2990190 |

CHASE AWAY THE COLD

LX Electric Floor Heating Cables

Combines the highest comfort levels with maximum efficiency.

- Single point connection
- Twin conductor cable
- Flexible installation
- Approved for wet locations
- 212° F max rating



Danfoss

| Mfg Part # | Length | Watts | Volts | Ampere Rating | BSE Part # |
|------------|--------|-------|-------|---------------|------------|
| 088L3140 | 40' | 120 | 120 | 1.0 A | 2989991 |
| 088L3141 | 60' | 180 | 120 | 1.5 A | 2990206 |
| 088L3142 | 80' | 240 | 120 | 2.0 A | 2989993 |
| 088L3143 | 120' | 360 | 120 | 3.0 A | 2990207 |
| 088L3144 | 160' | 480 | 120 | 4.0 A | 2990208 |
| 088L3145 | 200' | 600 | 120 | 5.0 A | 2990209 |
| 088L3146 | 240' | 750 | 120 | 6.3 A | 2990210 |
| 088L3147 | 280' | 860 | 120 | 7.2 A | 2990211 |
| 088L3148 | 315' | 960 | 120 | 8.0 A | 2990212 |
| 088L3080 | 80' | 245 | 240 | 1.0 A | 2990213 |
| 088L3081 | 120' | 365 | 240 | 1.5 A | 2990214 |
| 088L3083 | 200' | 605 | 240 | 2.5 A | 2990216 |
| 088L3084 | 240' | 725 | 240 | 3.0 A | 2990217 |
| 088L3086 | 320' | 965 | 240 | 4.0 A | 2990218 |
| 088L3087 | 360' | 1080 | 240 | 4.5 A | 2990219 |
| 088L3088 | 400' | 1200 | 240 | 5.0 A | 2990220 |
| 088L3089 | 440' | 1330 | 240 | 5.5 A | 2990221 |
| 088L3090 | 480' | 1445 | 240 | 6.0 A | 2990222 |
| 088L3091 | 570' | 1710 | 240 | 7.1 A | 2990223 |
| 088L3092 | 630' | 1915 | 240 | 8.0 A | 2990224 |

SRIG Ice Guard Self Regulating Cables

Provides an easy to use solution for pipe freeze, roof and gutter applications.

- 5 W/ft output at 50° F
- Can be overlapped without creating hot spots
- Pre-terminated with plug and end seal
- 16 AWG bus cable



Danfoss

| Mfg Part # | Length | Volts | BSE Part # |
|------------|--------|-------|------------|
| 088L1480 | 6' | 120 | 2989923 |
| 088L1481 | 12' | 120 | 2990158 |
| 088L1482 | 18' | 120 | 2990159 |
| 088L1483 | 24' | 120 | 2990160 |
| 088L1484 | 50' | 120 | 2990161 |
| 088L1485 | 75' | 120 | 2990162 |
| 088L1486 | 100' | 120 | 2990163 |

TXSH Thermal Storage Slab Heating Cables

Energized to warm a thermal mass below floor surface.

- Coverage area dependent on cable spacing
- 9 W/ft output at 50° F
- Single point connection
- Twin conductor 1/4 inch cable
- 220° F max rating



Danfoss

| Mfg Part # | Length | Watts | Volts | Ampere Rating | Heat Coverage (sq ft) | BSE Part # |
|------------|--------|-------|-------|---------------|-----------------------|------------|
| 088L3723 | 115' | 1,083 | 240 | 4.5 A | 40-60 | 2989951 |
| 088L3729 | 190' | 1,762 | 240 | 7.3 A | 60-95 | 2990182 |
| 088L3733 | 240' | 2,150 | 240 | 9.0 A | 80-120 | 2990183 |
| 088L3735 | 285' | 2,595 | 240 | 10.8 A | 95-145 | 2990184 |
| 088L3737 | 330' | 3,031 | 240 | 12.6 A | 110-165 | 2990185 |
| 088L3739 | 375' | 3,469 | 240 | 14.5 A | 125-185 | 2990186 |
| 088L3741 | 425' | 3,865 | 240 | 16.1 A | 140-210 | 2990187 |
| 088L3743 | 475' | 4,364 | 240 | 18.2 A | 155-235 | 2990188 |
| 088L3745 | 545' | 5,009 | 240 | 20.9 A | 180-270 | 2989959 |

RX Residential Roof and Gutter De-Icing Cables

Provides the protection needed to prevent ice dams and build-up.

- Aluminum foil screen
- High grade heating element
- UV rated cable
- Includes shingle and spacer clips

Danfoss

| Mfg Part # | Length | Watts | Volts | Ampere Rating | Weight (lb) | BSE Part # |
|------------|--------|-------|-------|---------------|-------------|------------|
| 088L3500 | 30' | 170 | 120 | 1.4 A | 2.54 | 2989904 |
| 088L3502 | 65' | 310 | 120 | 2.6 A | 3.32 | 2990149 |
| 088L3503 | 80' | 390 | 120 | 3.3 A | 4.57 | 2990150 |
| 088L3504 | 100' | 535 | 120 | 4.5 A | 5.78 | 2990151 |
| 088L3505 | 120' | 620 | 120 | 5.2 A | 6.97 | 2990152 |
| 088L3508 | 170' | 760 | 120 | 6.3 A | 9.40 | 2989909 |
| 088L3510 | 230' | 1,080 | 120 | 9.0 A | 12.93 | 2990153 |
| 088L3511 | 265' | 1,220 | 120 | 10.2 A | 13.88 | 2990154 |

PX-F Self-Regulating Heating Cables

The power output of the conductive material increases or decreases in response to ambient temperature changes.

- 16 AWG bus cable
- Cables can overlap
- Cut and splice in the field



| Mfg Part # | Output | Length | Volts | BSE Part # |
|------------|---------------|--------|-------|------------|
| 088L1402 | 3W/ft at 50°F | 250' | 120 | 2990339 |
| 088L1470 | 3W/ft at 50°F | 1,000' | 120 | 2990342 |

RX-C Commercial Roof and Gutter De-Icing Cables

Provides the protection needed to prevent ice dams and build-up.

- Output: 5 W/ft at 50° F; 12 W/ft at 32° F
- UV rated cable



| Mfg Part # | Length | Volts | BSE Part # |
|------------|--------|-------|------------|
| 088L1422 | 250' | 120 | 2989808 |
| 088L1472 | 1,000' | 120 | 2989809 |
| 088L1432 | 250' | 240 | 2990080 |
| 088L1473 | 1,000' | 240 | 2990081 |

Weatherproof Thermostats

Serves as an operational control only.

- Automatic activation
- Remote bulb temperature sensing
- Large dial
- Wall mounted NEMA 4X enclosure
- Load limit: 25 A at 120/240 V; 22 A at 277 V



| Mfg Part # | Volts | BSE Part # |
|------------|---------|------------|
| 088L3422 | 120-277 | 2989913 |

Border States locations

ALEXANDRIA

906 Highway 29 N
Alexandria MN 56308
Phone 320.763.5131
Fax..... 320.763.6013

MANKATO

2800 3rd Ave
PO Box 448
Mankato MN 56002
Phone 507.388.1241
Fax..... 507.388.1571

BEMIDJI

3405 Hannah Ave NW
Bemidji MN 56601
Phone 218.759.1350
Fax..... 218.759.1402

MARSHALL

609 S 4th St
Marshall MN 56258
Phone 507.532.4429
Fax..... 507.532.3302

FARIBAULT

1503 30th St NW
Faribault MN 55021
Phone 507.334.4301
Fax..... 507.334.1745

ST. CLOUD

2800 1½ St S
St. Cloud MN 56301
Phone 320.251.1761
Fax..... 320.251.1077

WILLMAR

1209 E Highway 12
Willmar MN 56201
Phone 320.235.2255
Fax..... 320.214.4257





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