

Heating & Ventilation Division



ELECTRIC HEAT PRODUCTS GUIDE

2016 / 2017

EchoGroupInc.com

Index

Brands	1
Arius Air Pear	2
Stelpro ARUH, Commercial/Industrial Unit Heaters	3
Unit Heaters Berko & Q-Mark	4
Garage Heaters	5
Brackets & Disconnects, Small Room Wall Heaters	6
Large Room Wall Heaters	7
Stelpro Pulsair ARWF, Spider Ceiling, Dragons	8
Baseboard Heaters	9
Cove Heaters	10
Air Curtains and Construction Heaters	11
Digital Thermostats	12
Thermostats	13
Quartz Radiant Heaters	14
Residential Heating Cable	15
Raychem Heat Systems and Thermostats	16
Raychem Construction and Industrial Heating Cables	17
Heat Cable Layout Assistance	18
Chromalox Heat Trace Cable	19
Chromalox Industrial Heating Products	20
Industrial Ceiling Fan and Controls	21
Extra Large Ceiling Fans and AC Units	22
Hand Dryers	23
Floor Warming (Mats & Cables)	24
Thermal Edge Coolers	25
Agriculture Cooling Items	26
Exhaust & Bath Fans	27
Notes	28

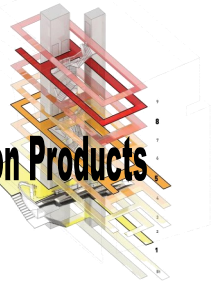
Terms & Conditions

All Prices Subject To Change Without Notice. Products will be shipped on our regularly scheduled delivery routes or shipped best way from factory or warehouse - Freight Pre-Paid and Add to invoice unless prior arrangements have been made. Factories freight allowed terms apply.

Standard "Stocked Items" will be shipped immediately. Non-stock items will be shipped according to manufacturers production dates. Non-stock items traditionally require additional time for shipment. All warranties are as provided by the manufacturers and their terms and conditions apply. Returns will only be accepted after a Return Goods Authorization Form has been issued in writing by the seller. It is our intent to make this booklet error free. In the event there is an error made in the original content or a printers error, we reserve the right to correct the error and not incur any liability for damages.



We Are **BIG** In Heating and Ventilation Products



- Air Conditioners
- Fans
- Heat & Vent Controls
- Thermometers
- Snow and Ice Melt
- Concrete Heat
- Misting Fans
- Elements
- Thermostats
- Switches and Timers
- Floor Heating Systems
- Evaporative Coolers
- Air Curtains
- Roof and Gutter Melt
- Portable Heaters
- Cove Heaters
- Portable A/C Units
- Duct Heaters
- Radiant Heaters
- Commercial Fans
- Immersion Heaters
- Infrared Heaters
- Instrumentation
- Radiant Heaters
- Roof Ventilators
- Ceiling Panel



INFRA TECH
COMFORT

For more information these manufactures products, visit their website or contact our heating and ventilation specialists:

You Can Also Visit us at: www.EchoGroupInc.com

Air Pear

The Air Pear

your most are energy efficient, cost effective destratification system available.



- Designed to continuously move a column of air to the floor for destratification / air circulation purposes.
- Each Air Pear harvests hot ceiling air and transports it to the floor below in a non-turbulent column to create a better working environment and reduce total energy consumption.
- Installation includes a series of units mounted just below the ceiling, evenly spaced throughout a facility and free-hanging.
- Airius Fans are available in six models to accommodate ceiling heights from 8 to 150 feet and nearly any working environment.
- Photohydroionization (PHI) kit mitigates 95% mold, bacteria, viruses, VOCs and Odors!

Key Applications:

- Commercial, Industrial and Retail Environments
- Schools and Recreational Centers
- Office and Manufacturing Facilities
- Government and Agricultural Facilities
- Cathedral Ceilings
- Distribution Centers and Warehouses



Commercial / Industrial Unit Heater



ASUH Unit Heater. 18 Gauge Steel Cabinets, 4 adjustable louvers and safety wire mesh. Thermal protected with manual reset. 240V. 2kW to 60kW units, Controls Options: No Controls, Built in thermostat. Bracket Included



Stelpro Cat #	Watts/Volts	BTU's	Throw Rate
ASHU0583C24CHAR	5000W 208V*	17064	31 FT.
ASHU0521C24CHAR	5000W 240V	17064	31 FT.
ASHU0571C24CHAR	5000W 277V	17064	31 FT.
ASHU0553C24CHAR	5000W 480V*	17064	31 FT.
ASHU0783C24CHAR	7500W 208V*	25595	31 FT.
ASHU0721C24CHAR	7500W 240V	25595	31 FT.
ASHU0771C24CHAR	7500W 277V	25595	31 FT.
ASHU0753C24CHAR	7500W 480V*	25595	31 FT.
ASHU1083C24CHAR	10000W 208V*	34127	31 FT.
ASHU1021C24CHAR	10000W 277V	34127	31 FT.
ASHU1071C24CHAR	10000W 240V	34127	31 FT.
ASHU1053C24CHAR	10000W 480V*	34127	31 FT.
ASHU1583C24CHAR	15000W 208V*	51191	35 FT.
ASHU1521C24CHAR	15000W 240V	51191	35 FT.
ASHU1571C24CHAR	15000W 277V	51191	35 FT.
ASHU1553C24CHAR	15000W 480V*	51191	35 FT.
ASHU2083C24CHAR	20000W 208V*	68254	37 FT.
ASHU2021C24CHAR	20000W 240V	68254	37 FT.
ASHU2071C24CHAR	20000W 277V	68254	37 FT.
ASHU2053C24CHAR	20000W 480V*	68254	37 FT.
ASHU2583C24CHAR	25000W 208V**	102318	33'6" FT.
ASHU2553C24CHAR	25000W 480V*	102318	33'6" FT.
ASHU3083C24CHAR	30000W 208V**	102381	35 FT.
ASHU3053C24CHAR	30000W 480V**	102381	35 FT.
ASHU4053C24CHAR	40000W 480V**	136508	35 FT.
ASHU5053C24CHAR	50000W 480V**	170635	35 FT.
ASHU6053C24CHAR	60000W 480V**	204762	35 FT.

*Three—phase units that can be field converted to a single phase units.

**Three- phase units.

Unit Heaters



BERKO[®]
A Marley Engineered Products Brand



QMARK[®]
A Marley Engineered Products Brand

Berko Cat #	Watts/Volts	Qmark Cat #
HUH AA 520*	5000W 208V	MUH-05-81*
HUH AA 524*#	5000W 240V	MUH-05-21* #
HUH AA 548	5000W 480V	MUH-05-41
HUH AA 720	7500W 208V	MUH-07-8
HUH AA 724#	7500W 240V	MUH-07-2#
HUH AA 748	7500W 480V	MUH-07-4
HUH AA 1020	10000W 208V	MUH-10-8
HUH AA 1024#	10000W 240V	MUH-10-2#
HUH AA 1048	10000W 480V	MUH-10-4
HUH AA 1520	15000W 208V	MUH-15-8
HUH AA 1524#	15000W 240V	MUH-15-2#
HUH AA 1548	15000W 480V	MUH-15-4
HUH AA 2020	20000W 208V	MUH-20-8
HUH AA 2024#	20000W 240V	MUH-20-2#
HUH AA 2048	20000W 480V	MUH-20-4
HUH AA 2524#	25000W 240V	MUH-25-2#
HUH AA 2548#	25000W 480V	MUH-25-4#
HUH AA 3020	30000W 208V	MUH-30-8
HUH AA 3024#	30000W 240V	MUH-30-2#
HUH AA 3048	30000W 480V	MUH-30-4
HUH AA 4024#	40000W 240V	MUH-40-2#
HUH AA 4048	40000W 480V	MUH-40-4
HUH AA 5024#	50000W 240V	MUH-50-2#
HUH AA 5048	50000W 480V	MUH-50-4

* Must use 2-stage thermostat on 3 phase.

Can be used on 208v also. Wattage output is 75% of listed @ 240v.

Garage Heater



Economical Unit Heater

ASHU0521C24CHAR

240/208V 5000/3750W
with 24 Volt Contactor



24 Volt Contactor Option

ASHU Unit Heater. 20 Gauge Steel Cabinets, 4 adjustable louvers and safety wire mesh. Thermal protected with manual reset. 208V/240V. 1500-5000 Watts, Controls Options: Built in 24 V Contactor, Built in thermostat (ARUH5T). Improved UL Safety Features. Bracket Included.

Garage Heater-Line Voltage Control

#1 SELLING GARAGE HEATER



LINE
VOLTAGE
CONTROL

HUH524TA
MWUH 5004



A horizontal / down flow unit heater with factory installed thermostat and mounting bracket included.

240/208V 5000/3750W
12-1/2"H 14"W 12-3/8"



HUH724ST
MWUH 7504



A horizontal / down flow unit heater with factory installed thermostat and mounting bracket included.

Line Voltage Control
240V 7500 Watts
12-1/2"H 14"W 11-1/4"D

Unit Heaters Disconnects and Brackets



B-10	BRKT 3, 5, 7.5, 10
B-20	BRKT 15 & 20
B-30	BRKT 25 & 30
B-50	BRKT 40 & 50

BERKO
A Marley Engineered Products Brand

UHMT-1	SP—UNIT MT
UHMT-2	DP—UNIT MT

QMARK
A Marley Engineered Products Brand

HUH AA DS25 - MPDS25 25 A Disconnect
For all 3 & 5 kw heaters and 7.5, 10, 15 & 20 kw 480 V heaters

HUH AA DS60 - MPDS60 60 A Disconnect

For 208 volt, 7.5, 10, 15 (3ph only) & 20 kw. 208/240V 7.5, 10, 15,20, & 25 kw. 277 volt: 7.5 & 10 kw.

Garage Heater-With Remote Control



GH48R Garage Heater: 208V/240V 1800W/4800W

Auxiliary, supplementary or primary heat source

Built-in digital interface

Remote Control included for easy operations

Optional timer feature up to nine hours with automatic shut off

Thermostat ranges from 45° F – 99° F

Built-In Fan Delay to prolong element life, Power Indicator Light

Stainless Steel tubular heating element

Includes mounting bracket for wall or ceiling installation 1 year warranty

Small Room Wall Heaters

BERKO
A Marley Engineered Products Brand

QMARK
A Marley Engineered Products Brand



OUR MOST COMPETITIVE SMALL ROOM HEATER

RI: 11-1/8" H 9-3/8" W 3-3/4" D

CZ1512T 1500 W 120 Volt

CZ2048T 2000W 240 Volt

CZ-BB Surface Mount Frame



OUR BEST SELLING BERKO SMALL ROOM HEATER

RI: 11" H 9-3/4" W 3-3/4" D

SRA 1512DSF 1500 W 120 Volt

SRA 2024DSF 2000/1500W 240/208 Volt

SRA 2027DSF 2000/1500W 277/240 Volt

SRA SM Surface Mount Frame

Small Room Wall Heaters



OUR BEST SELLING QMARK SMALL ROOM HEATER

RI: 11-1/8"H 9-3/8"W 3-3/4"D

CWH-1151DSF	1500 W	120 Volt
CWH-1202DSF	2000/1500W	240/208 Volt
CWH-1207DSF	2000/1500W	277/240 Volt
CWH-SM	Surface Mount Frame	

Large Room Wall Heaters



RI: 18-1/4"H 14-3/8" W 3-3/4"D



FRA 4020F	208V	4000/2000W
FRA 4024F	240/208V	4000/3000W
FRA 4824F	240/208	4800/3600W
FRA SM	Surface Mount Frame	

NOTE: Factory wired for higher wattage, field convertible to half wattage

NOTE: We can order 277/240V

RI: 18-1/4"H 14-5/8"W 3-3/4"D



VFK 404F / LFK 404F	240/208V	4000W
VFK 484F/ LFK 484F	240/208V	4800/3600W
VFK SM / LFK SM	Surface Mount Frame	

High capacity, heavy duty fan forced wall heaters are designed for use almost anywhere in residential, commercial, or industrial areas requiring electric fan forced heaters in 1500—4800 watt range.

Large Room Arch. Wall Heaters



RI: 18-1/4"H 14-5/16"W 3-3/4"D



FRC 4020F / AWH 4408F	208V	4000W
FRC 4024F / AWH 4404F	240/208V	4000/3000W
FRC 4824F / AWH 4507F	240/208V	4800/3600W
FRSM - PB/ AWH - SM	Surface Mount Frame	

All controls are concealed behind the front cover making them essentially tamper-proof. Bronze architectural front.



°STELPRO
confort 360



ARWF Wall Fan Heater: (instant Heat) Small quiet and blends with your décor 2 models 3 colors, 18 gauge steel grill ROUND CORNERS Available in: 120, 208, 240 & 277 V Watts available 500,750, 1000/500, 1250/750, 2000/1000. H-17 1/8" W-8 11/16" D-3 1/4"

ARWF1501T2W With Thermostat	750-1500W	120V
ARWF1502W	750-1500	240V
ARWF2002T2W	1000-2000W	240V

ARWFBB

Back Box

ARWFT1W

B/In Stat. White



Ceiling Fan Heaters



SPIDER™
PAR STELPRO

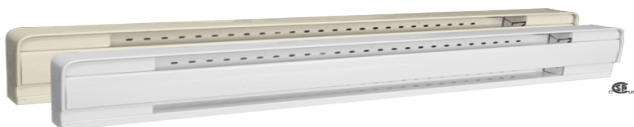
°S
STELPRO
confort 360

Ceiling heater designed specifically for a ceiling installation Innovative State of the art design with energy efficient performance heater 208, 240, 277, 480V availability 2000,3000,4000, 5000, 7500, 10,000Watts availability.

Baseboard Heaters

°STELPRO

confort 360



B0501W	2' - 6"	500W	120V
B0751W	3' - 0"	750W	120V
B1001W	4' - 0"	1000W	120V
B1251W	5' - 0"	1250W	120V
B1501W	6' - 0"	1500W	120V
B0502W	2' - 6"	500W	240V
B0752W	3' - 0"	750W	240V
B1002W	4' - 0"	1000W	240V
B1252W	5' - 0"	1250W	240V
B1502W	6' - 0"	1500W	240V
B2002W	8' - 0"	2000W	240V
B2502W	8' - 0"	2500W	240V

UNIT MOUNT THERMOSTATS

B1T1W	SP	T-STAT
B2T1W	DP	T-STAT

A Designers Dream; Baseboard with fully rounded corners! One piece metal contemporary design and innovative look. Built in electronic thermostat or external wall thermostat.



BERKO®
A Marley Engineered Products Brand

QMARK™
A Marley Engineered Products Brand

2512-6W BASEBOARD	2' - 6"	500W	120V
2513W	3' - 0"	750W	120V
2514W	4' - 0"	1000W	120V
2515W	5' - 0"	1250W	120V
2516W	6' - 0"	1500W	120V
2542-6W BASEBOARD	2' - 6"	500W	240V
2543W	3' - 0"	750W	240V
2544W	4' - 0"	1000W	240V
2545W	5' - 0"	1250W	240V
2546W	6' - 0"	1500W	240V
2548W	8' - 0"	2000W	240V
2540-8W	8' - 0"	2500W	240V

UNIT MOUNT THERMOSTATS

TA1AW	SP	T-STAT
TA2AW	DP	T-STAT

Cove Heaters



RADIANCE

15% greater energy performance compared to other radiant heaters.
 Wall mounted closer to the ceiling 2.5" & 6" from flammable material.
 Fast heat recovery, greater energy performance.
 24-gauge stainless steel reflector, 18-gauge steel cabinet & back box.
 5 year warranty

Model #	Length	Watts	Volts
SCR0452W	34"	450W	240V
SCR0602W	47"	600W	240V
SCR0752W	59"	750W	240V
SCR0902W	71"	900W	240V
SCR1052W	83"	1050W	240V
SCR1202W	94"	1200W	240V
SCR1502W	106 1/4"	1500W	240V

Comfort Cove®
 By Radiant Systems, Inc. | Since 1984



Comfort Cove® are electric radiant heaters that are cost effective, energy efficient, and maintenance-free. They will warm your floors and create a comfortable atmosphere of warmth, without the cost and dangers of other heating systems.

It's "green" heating for every room in the home! Use comfort cove as a garage heater, bathroom heater, basement heater, bedroom heater, or all of the above!

Model #	Length	Watts	Volts
C- 4524 OW	34"	450W	240V
C- 6024 OW	47"	600W	240V
C- 7524 OW	59"	750W	240V
C- 9024 OW	71"	900W	240V
C- 10524 OW	83"	1050W	240V
C- 12024 OW	94"	1200W	240V
C- 15024 OW	106 1/4"	1500W	240V
C- 18024 OW	118 1/4"	1800W	240V
C- 20024 OW	132"	2000W	240V

Air Doors & Curtains



LEADING EDGE®



Call for sizing and pricing!

Ask to see a full line catalog.

**High Velocity Electric & Hot Water/Steam
Drive - Thru Window & Low Profile Air curtains.**

Construction Heaters

°STELPRO



ASCH48TWB

Voltage: 208/240V

3600/4800 Watts.

12285/16382 Btu/h

H - 11" W - 9-5/8" D - 10-1/2"

30 A 240V receptacle required

2 year warranty



ASCH4800T

Voltage: 208/240V

3600/4800 Watts.

12285/16382 Btu/h

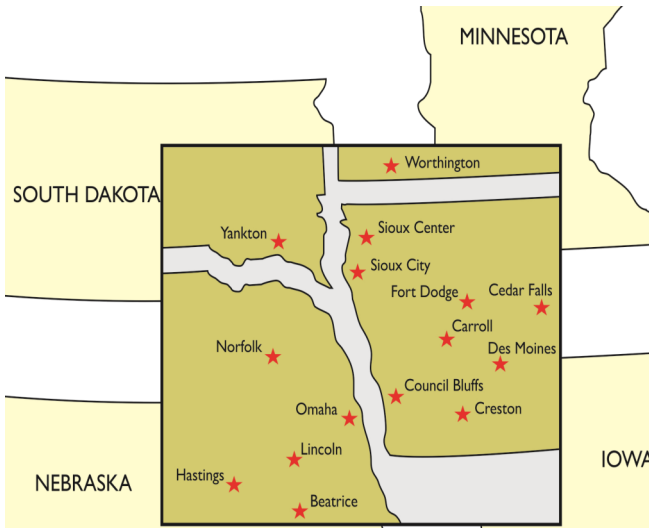
H - 11" W - 9-5/8" D - 10-1/2"

30 A 240V receptacle required

3 year warranty

Ask about the hard wired version

Other Divisions and locations



- Wholesale
- Commodities
- Automation
- Fasteners
- Generators
- Engraving
- Heating & Ventilation
- Commercial Lighting
- Home Entertainment
- Residential Lighting



www.EchoGroupInc.com



Digital Thermostats



STE 302P

120V - 240V 12.5 Amps

Programmable

18 predefined energy efficient programming available

Temperature ; 37—86

Color: White, Almond & Silver

STE 402NP

120V - 240V, 16.7 Amps

Non Programmable

Acts like a programmable Thermostat. Compatible with forced air units.

Temperature ; 37—86

Color: White

Smart mode



STE 302NP

120V - 240V 12.5 Amps

Smart mode, Locks

Maximum Temperature

Set Point

Back Light

STE 241

24 Volts (Low Voltage)

Night time temperature lowering.

Maximum Temperature Set Point Lock.

Temperature; 37-86



Come in and ask for a full line catalog

Thermostats

Model #	Pilot Duty	Poles	Amps 120/240v	AMPS 277v	Positive off	Temp Range
M601W	Yes	SPST	22A	18A	NO	45-75F
M602W	Yes	DPST	22A	18A	YES	45-75F

Thermostat works with Low Voltage & Line Voltage.



BERKO
A Marley Engineered Products Brand

QMARK
A Marley Engineered Products Brand



Model #	Pilot Duty	Poles	Amps 120/240v	AMPS 277v	Positive off	Temp Range
SWT1F	No	SPST	22A	22A	NO	50-80F
SWF2F	No	DPST	22A	22A	NO	50-80F



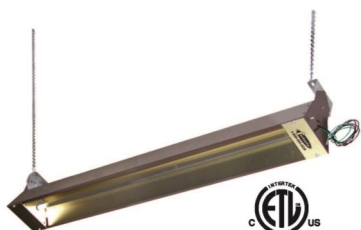
°STELPRO
confort 360



Model #	Pilot Duty	Poles	Amps 120/240v	AMPS 277v	Positive off	Description
ETD5SS*	No	SPST	22A	22A	NO	Heat & Cool
ET5SRS	No	SPST	22A	22A	NO	Cool Only



Quartz Radiant Heater



OCH Series Outdoor/Indoor Rated Heater:

120V-480V, 1500W—2250 W

Finish: brown and Stainless Steel.

60 Degree Symmetric Heat Pattern

Multiple mounting options.

Brackets for Surface mounting allows up to a 45 degree tilt & Chain mounting.

OCH-46-240V

240V

2000W

OCH-57-240V

240V

3000W

OCHWG-46

Stainless Wire Guards

OCHWG-57

Stainless Wire Guards

Two or Three Lamp Painted or Stainless Steel

Reflector Patterns

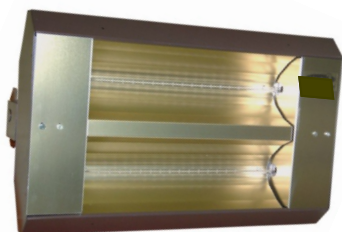
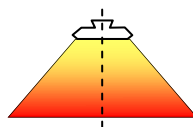
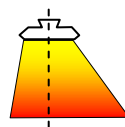
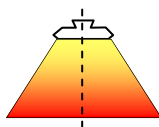
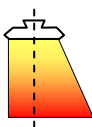
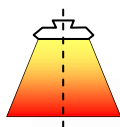
30° Symmetric

30° Asymmetric

30° Symmetric

60° Asymmetric

30° Symmetric



Mul-T-Series	A Length	B Width	C Height	D Mtg Ctr
222	24"	15"	10-7/8"	23-1/2"
342	33"	15"	10-7/8"	32-1/2"

222-60TH-240V

W/ 3200W QUARTZ LAMPS

60 DEGREE SYM PATTERN



Note: Non Stock Item, we will order what you require.

Residential Heating Cable

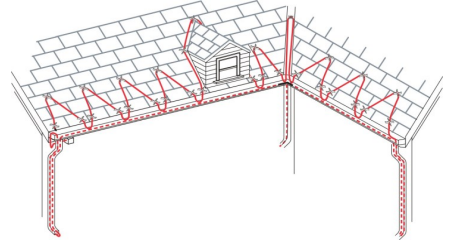
Raychem® HEAT SYSTEMS



WinterGard™ Wet Roof & Gutter

Heating Cables

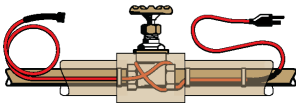
Self regulating cable that may be cut to length as required. A full line of accessories is also available.



Catalog #	Description
H612-250	Roof/Gutter Cable 120v
H622-250	Roof/Gutter Cable 240v
H900	Hardwire Power Conn / End Seal Kit
H908	Plug-In Cord Set with 30mA GFI
H910	Splice & Tee Kit
H913	Roof Clips 10/ctn
H914	Roof Clips 50/ctn
H915	Downspout Hanger
RM-3	Gutter De-icing Controller
RM-4	Gutter De-icing Controller with GFEP
AMC-F5	Thermostat Fixed 37 degrees—NEMA 4X



Pre-Assembled Heating Cable



Guardian™ Preassembled Self Regulating Heating Cables for Pipe Heating, Drains, Roof and Gutters!



Catalog #	Description
W51-6P	120v Preassembled heating cable, 6 ft. long
W51-12P	120v Preassembled heating cable, 12 ft. long
W51-18P	120v Preassembled heating cable, 18 ft. long
W51-24P	120v Preassembled heating cable, 24 ft. long
W51-50P	120v Preassembled heating cable, 50 ft. long
W51-75P	120v Preassembled heating cable, 75 ft. long
W51-100P	120v Preassembled heating cable, 100 ft. long

The Guardian cables w/o plugs, are also available in 240v on special order

Residential Heating Cable

Raychem® HEAT SYSTEMS



Pipe Heating and Drains ONLY!

Self regulating cable that may be cut to length required.

Catalog #	Description
H611-250	Pipe Heating Cable 120V
H621-250	Pipe Heating Cable 240V
H900	Hardwire Power Conn / End Seal Kit
H903	Fiberglass Tape & Labels
H908	Plug In Power Conn w/ ground fault



SST- 2 Freeze Protection Thermostat by ETI

40 degree set point to 131 degree F.
Two Pole Contactor switch up to 30 AMP loads
Alarm relay with isolated contact
Integral 30 mA GFEP
120, 208, 240, 277Volts
NEMA 4 Box.

AMC-F5 Mechanical Thermostat by ETI

15 degree set point to 140 degree F.
SPDT switch up to 22 AMP loads
120, 208, 240, 480 Volts
NEMA 4 Box.



APS-4C Controller by ETI

40 degree set point to 90 degree F.
50 AMP loads except 277. 40 Amps 277
Integral 30 mA GFEP
120, 208, 240, 277Volts
NEMA 3R Enclosure.

GF PRO Controller by ETI

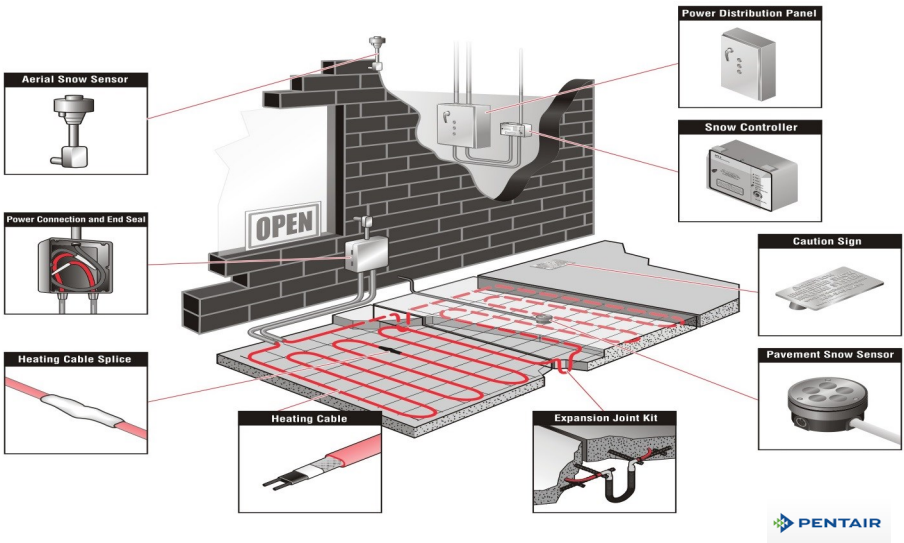
38 degree on & off.
0 - 8 hour on hold. Sensor not included.
Operated at 120—277 VAC.
30 Amp Max Load.
Integral 30 mA GFEP
16 NEMA 4X Enclosure.



Connects to CIT-1,
Git-1, Sit-6E Sen-
sors.RCU-4 remote
control too!

Raychem® CONSTRUCTION

Commercial / Industrial Snow Melting



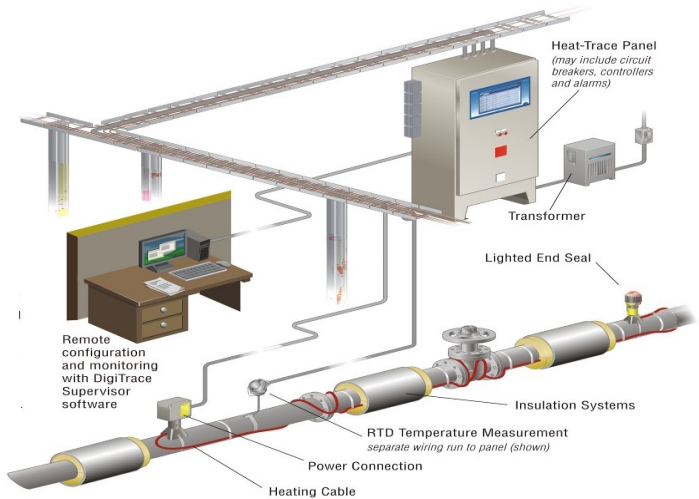
Raychem® INDUSTRIAL

Freeze Protection, Process Heating & More.

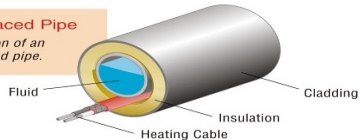


A complete electrical heat-tracing system is much more than just the heating cable. Tyco Thermal Controls provides a complete system from electrical transformer and heat-trace panel to power connections, heating cable, end terminations, and other accessories. We supply the individual components, provide engineering and design and install and maintain the entire system.

Note: The illustrations on these pages do not necessarily depict actual applications and installations.



Electric Heat-Traced Pipe
A typical cross section of an electrically heat-traced pipe.

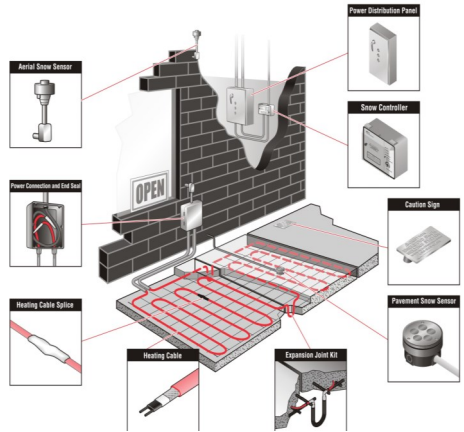


Snow Melting & De-icing for concrete

Call for Layout & Pricing Assistance Custom Design for Every Job!

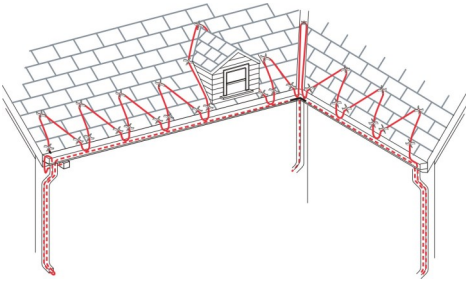
Electric Heating Cables for Concrete

- No ice & snow from building up on concrete, Stairs, ramps.
- Provide customer safety and minimize property damage.



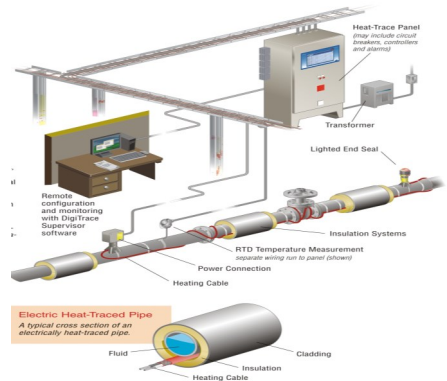
Electric Heating Cables for Roof & Gutters

- No ice & snow from building up on roof tops.
- Provide customer safety and minimize property damage.
- Custom Design Lay out



Electric Heating Cable for Pipe

- Freeze Protection
- Maintain Process Temperature.
- Residential, commercial & Industrial



Heat Trace Cable

Chromalox[®]
PRECISION HEAT AND CONTROL

SRL

Self-Regulating
Low Temperature
Heating Cable



Cut to Any Length in Field

Can be Single Overlapped

Maximum of 150°F
Range of 185°F
Low Temperature

Self-Regulating

Chromalox SRL self regulating heating cable provides safe, reliable heat tracing for freeze protection of pipes, valves, tanks and similar applications. Constructed of industrial grade 15 AWG buss wire with tinned copper braid and optional overjacketing, SRL ensures operating integrity in Div. 2 hazardous environments as well as certain corrosive industrial environments. SRL heating has a maximum maintenance temperature rating of 150 deg. F (65 deg C)

Applications Commercial Construction:

Cooling Towers
Chilled Water & Pipes
Sump Discharge Pipes

Fire Protection System Piping
Exposed P-traps

Applications Industrial:

Water Treatment Facilities
Vessel Freeze Protection
Safety Shower Lines

- Self-Regulating, Energy Efficient
- Cost Effective for Contractor/Construction Freeze Protection Application
- Freeze Protection of Fire Protection Systems
- Industrial Grade, 16 AWG Buss Wire
- Standard Braid and Optional Overjacket
- Circuit Lengths to 460 Feet
- 3, 5 and 8 Watts per Foot

Chromalox[®]
PRECISION HEAT AND CONTROL

SRF

Self-Regulating
Freeze Protection
Heating Cable



Cut to Any Length in Field

Can be Single Overlapped

Self-Regulating

Chromalox SRF cable is ideal for keeping metal and plastic pipes warm in commercial construction, institutional building and some industrial freeze protection applications. SRF cable is constructed of a self-regulating polymer core that varies its output along its entire length, saving energy and eliminating hot spots along the pipe. Parallel construction makes it easier to install than zone or series types of cable since it can be cut to length at any point on the pipe. It can single overlapped without overheating the cable

Applications:

Process Temperature Maintenance Freeze Protection of Pipes
Fluid Flow and Viscosity Maintenance

- Self-Regulating, Energy Efficient
- 16 AWG Buss Wire
- Circuit Lengths to 660 Feet
- Process Temperature Maintenance to 150°F (65°C)
- Maximum Continuous Exposure Temperature (Power Off) 185°F (85°C)
- Industrial Freeze Protection Applications
- Freeze Protection of Fire Protection System Piping
- Field Splicing Without Disrupting Heat Output
- 3, 5, 8 and 10 Watts per Foot
- 120 and 208-277 Volts Available From Stock
- Approximate Size 3/8" x 1/8"
- Minimum Bend Radius is 1-1/8"

Industrial Heating Products



Comfort Heaters

Chromalox electric comfort heaters provide efficient, economical heat for warehouses, shipping/receiving, distribution, and manufacturing areas. Convection, forced air, and radiant heaters provide safe, clean, fast heat. Heavy duty construction affords long and dependable service.



Process Heaters and Controls

Chromalox offers a wide range of process heating equipment and temperature controls. From the smallest liquid heating application and single loop control to complete skid systems exceeding 1 mega watt in size, Chromalox has it all for your process heating needs.



AND MUCH MORE.....

Industrial Ceiling Fans

Airmaster Mark 1

COMMERCIAL FAN

56" White 19000 CFM, 320 RPM, 120V, 0.6 Amps
 All Metal Construction, White epoxy finish.
 24" Down rod w/ safety cable.
 Optional or other down rod length available

1 YR WARRANTY



Controls

CAT NO.

DESCRIPTION

KBWC-13K	Control regulates 1 to 2 Fans 2 Amps total.
KBWC-15	Control regulates 3 to 5 Fans 5 Amps total.
KBWC	Control regulates 6 to 10 Fans 10 Amps total.

Belt Drive Portable Blowers, Pedestal Fans



**Call about all the Fans
that are available!**

And More.....

Heavy Duty Air Circulators, Man-coolers, Air Blasters, Misting Fans, Wash down Air Circulators, Exhaust Fans, Centrifugal Fans, Up blast Fans, Axial Fans

Envira North Fans

Altra-Air HVLS Fan

- Fans Range from 7.8' to 32'
- Capable of moving 188,000 Vs.
- Operates on .75 to 1.5kW
- Variable frequency Drive provides soft start and variable speed operation.
- Creates a non disruptive airflow.
- The largest 32' Altra Air fan consumes less power than the average hairdryer.
- Quite, efficient operation, no annoying high speed circulating of exhaust fan.



ENVIRA-NORTH
SYSTEMS LIMITED



Air Conditioning



Comfort-Aire



PTAC UNITS



Mini Split Units



Multi Zone Mini Split Units

Yes! We have AC Units!



Through the wall Units

Hand Dryers



XLERATOR HAND DRIERS



Units are 1500 Watts & Surface Mounted

- | | |
|--------------------------------|-----------------------------|
| XL - BW White Thermoset | XL - C Chrome |
| XL - W White | XL - SB Brushed S.S. |
| XL - GR Graphite | XL - SI* Custom |

Voltage

- 110/120V
- 208V
- 220V/240V
- 277V
- 220/240V

Amps

- 12.5 Amps
- 7.0 Amps
- 6.5 Amps
- 5.5 Amps
- 6.5 Amps

* Exclusive digital image technology allows for the addition of Company, School, or Team logos with any color, design or "Green Message"

Concrete Heat



For snow melt and ice control, cables can be installed in poured concrete, asphalt, interlocking pavers, or retrofit into existing asphalt and concrete surfaces. Automatic snow melting systems provide safety, reduced winter maintenance and a cleaner residential, retail or commercial space. Heated stairs and walkways greatly reduce the chance of slip and fall accidents, increasing safety and reducing liability.

Contact us for pricing!



Smart Heat

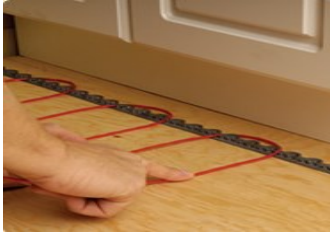
- Concrete Heat Panels
- Lower Capital Costs
- Faster Installation & lower Install Cost
- Lower Operating Cost
- No Maintenance



Floor Warming Cables



Nuheat Cable is a floor heating system that allows contractors to instantly make on-site adjustments to the floor heating coverage for any room including those with curves and angles.



Design Assistance Available

Custom Floor Warming Mats

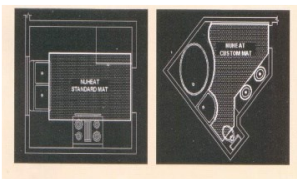


What is NUHEAT?

NUHEAT is an electric radiant mat system composed of thin heating wires that are embedded in durable material. There are over sixty standard mat sizes available in 110 Volt and 220 Volt that fit most room applications. For spaces with curves, angles, and obstacles, (such as angled showers), NUHEAT offers custom size mats for precise fitting. This system is only 1/8" thick making it ideal for both remodeling and new construction projects.

How is NUHEAT installed?

A professional tile setter uses thinset to adhere the NUHEAT system to the subfloor. The tile or stone is then laid over top of the mat in a second layer of thinset. A certified electrician connects the system to your household wiring.



Other Brands Also Available

Thermal Edge Coolers



Thermal Edge Difference

Call you're Echo Salesman to get your Thermal Edge Catalog and Pricing

1. **Energy Saving Condensate Evaporation** eliminates drain lines and buckets by routing the hot refrigerant gas lines through a condensate boil off pan. This process converts the liquid back into a vapor which is vented out of the air conditioner. In addition to eliminating the buckets and drains needed with other air conditioners, this process pre-cools the refrigerant gas, thereby lessening the load on the compressor and lowering our running amps
2. **Thermal Expansion Valve controlling the flow of refrigerant** balance and modulate the refrigerant flow to the heat load by sensing the temperature of the refrigerant leaving the evaporator. There are three major advantages to this refrigerant control method:
 - A. Maximum efficiency over a wide temperature and load range.
 - B. Improved refrigerant return to the compressor assures better cooling at high temperatures and reduces the possibility of liquid slugging which can destroy the compressors.
 - C. Variations in refrigerant charge, particularly smaller units, are less critical Thermal Edge always uses **Thermal Expansion Valves**. In your demanding environment, you need temperature controls that you can depend on, regard Less of temperature changes throughout the work day or annual season.
3. **Programmable Digital Controller making a smarter air conditioner** incorporate programmable set point and temperature controls, visible error and/ or alarm messaging, system protection and status indication. Remote control is available communications options. The Digital Controller from Thermal edge. When a smarter air conditioner is needed for a better package.

Agriculture Cooling Items



Mega Storm: Our 72" Mega Storm fiberglass exhaust fan is made right here in Wisconsin and uses an American-made motor and twin Gates® size "A" belts. The heavy duty X-frame and Double A auto belt tensioner provide superior strength and durability.

Indoor/Outdoor UL507 Certified Oscillating Wall Mount Fan : Available in 24" - 30" models. The oscillating, waterproof, J&D Indoor/Outdoor UL507 Certified Fans are excellent for all your outdoor applications.



Pruden 24-inch Poly Pit Plenum Fan:

This fan Incorporates the center fan body into the plenum to create a system that protrudes less from the side of your building.

Poly Chiller Drum Fan: Available in 20", 24" and 36" models. The Poly Chiller's unique housing draws air out for maximum performance without overloading the motor



High Pressure Fogging Fan Kits: Our stainless steel high pressure fog rings and crosses enhance the cooling effect of your recirculation fans.



[Call for Full line Catalog.](#)

Exhaust/Bath Fans

BROAN



NEW



NuTone



Panasonic



NEW

Come in see what
we
have in stock!

DELTA



NEW

THE 2015-2016 ELECTRIC HEAT BOOK

Welcome to the newest products in the electric heating business. Our goal is to provide these products on a timely basis, at a competitive price, with a knowledgeable staff, for a satisfying experience every time you call.

OUR LOCATIONS

BEATRICE, NE 68310

1420 N 7th Street

Ph: 402-228-3363

Fax: 402-228-1544

CARROLL, IA 51401

614 W 6th Street

Ph: 712-792-4331

Fax: 712-792-6910

COUNCIL BLUFFS, IA 51501

29 S 35th Street

Ph: 712-322-0291

Fax: 712-322-8726

CEDAR FALLS, IA 50613

5621 Westminster Drive

Ph: 319-268-8277

Fax: 319-268-8278

CRESTON, IA 50801

302 W Taylor

Ph: 641-782-9444

Fax: 641-782-4099

DES MOINES, IA 50313

4771 NW 2nd Ave

Ph: 515-282-4771

Fax: 515-282-3020

Ft. Dodge, IA 50501

3526 5th. Ave South

Ph: 515-576-1547

Fax: 515*576-6373

HASTINGS, NE 68701

1502 Park W Drive

Ph: 402-463-6859

Fax: 402-463-6850

LINCOLN, NE 68521

1800 Adams Street

Ph: 402-476-3281

Fax: 402-476-3415

NORFOLK, NE 68701

700 Omaha Avenue

Ph: 402-371-2928

Fax: 402-371-2323

OMAHA, NE 68144

14326 C Circle

Ph: 402-330-9995

Fax: 402-330-9996

SIOUX CENTER, IA 51250

300 15th Street NE

Ph: 712-722-2808

Fax: 712-722-2957

SIOUX CITY, IA 51102

701 Jackson Street

Ph: 712-252-3251

Fax: 712-252-4809

WORTHINGTON, MN 56187

1495 Darling Drive

Ph: 507-372-7767

Fax: 507-372-7769

YANKTON, SD 57078

704 W 23rd Street

Ph: 605-665-6331

Fax: 605-665-6357

