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## AIR CONDITIONING AND REFRIGERATION EQUIPMENT ACCESSORIES

The products listed here are waste heat recovery units and similar air conditioning and refrigeration accessories intended for the transfer of waste heat from an air conditioner or heat pump to another medium such as water.

The equipment is marked with the name or trademark of the (manufacturer) or vendor, a distinctive type, style, model or catalog designation, date code, electrical ratings, electrical hazard warnings, wiring diagram, type of refrigerant employed, factory test pressures and, if applicable, marked "Suitable For Outdoor Use."

These products comply with ARL requirements which include pertinent sections of the Standards for Safety, **ANSI/UL 207, Refrigerant Containing Components, Nonelectrical; ANSI/UL 303, Refrigeration and Air Conditioning Condensing and Compressor Units; and ANSI/UL 559, Heat Pumps**, and are intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70. Products shown in this category were listed prior to the adoption of ANSI/UL 1995, Heating and Cooling Equipment.

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

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**ELECTRO INDUSTRIES, INC.** (manufacturer)  
**Monticello, MN 55362**

Electric Strip Heaters, Model KN f/b 05-1, 10-1, 15-1, or 20-1 (File 30877) NRTL

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## AMUSEMENT AND GAMING MACHINES

The products listed here are electrical, electronic, and electro-mechanical commercial amusement and gaming machines, accessories and/or kits, and/or universal cabinets for such machines. The products are intended for indoor use, but may have been investigated for outdoor use or use in a protected location if so designated in the product Listing.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive style, type, model or catalog designation, date code, voltage, frequency, and frequency range rating expressed in hertz, Hz, cycles per second, cps, cycles/second, or c/s and the input rating in amperes or watts. In addition, the devices are marked with one of the following as appropriate: "Suitable for Indoor Use Only", "Suitable for Protected Locations - See Installation Instructions", or "Suitable for Outdoor Use", and other hazard or warning markings as required for individual products.

These products comply with ARL requirements which include pertinent sections of the Standards for Safety, **ANSI/UL 22, Amusement and Gaming Machines, and/or ANSI/UL 1410, Television Receivers and High Voltage Video Products.** The products are intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70.

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**AMUSEMENT PRODUCTS LLC** (manufacturer)  
**Chattanooga, TN 37421-3958**

Amusement Machine, ball pitching and retrieval system, consisting of the following:

Pitching Machine Assembly, model JD, JDF, UTD or UTDF f/b 100, 101 or 102, and model UT2000

Hopper Assembly, model JR f/b 190 or 590

Ball Retrieval System, model JR f/b 950 or 951, 109, 110, 111, 112

Alert Light Box Assembly, model JR 319

Coin Box Assembly, model JR f/b 330 or 330A, 239A or 330N

MI f/b 18 or 19 (File 29487) NRTL

**LASER STAR TECHNOLOGIES, INC.**  
**Davie, FL 33314**

Electronic Amusement System, laser tag game, consisting of the following:

~~Reset Station, model LSR f/b 115, 115B, 220 or 220B~~

~~Target Assembly, model LST~~

~~Cordless Gun, model LSC-7~~

~~Gun Battery Charger, model LSC-115 or LSC-220~~ (File 29553) NRTL **DELISTED** 03/23/09

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## CEILING DAMPERS AND DAMPER BOX ASSEMBLIES

The products listed are ceiling dampers and/or damper box assemblies intended for installation in hourly rated fire resistive floor-ceiling and roof-ceiling constructions. Ceiling dampers are investigated in accordance with the Standard for Ceiling Dampers, ANSI/UL 555C. Fire resistive assemblies are investigated in accordance with the Standard for Fire Tests of Building Construction and Materials, ANSI/UL 263.

Ceiling dampers are intended for use in air-handling duct outlets which penetrate membrane ceilings of hourly-rated fire resistive assemblies, or for installation in the ceiling membrane of such assemblies which utilize the plenum space for return air. They are designed for use as alternatives to previously tested hinged-door sheet metal type dampers installed at the bottom of sheet metal air ducts over each duct outlet. Ceiling dampers intended for installation in other types of fire resistive assemblies have been investigated in accordance with the Standard for **Fire Tests of Building Construction and Materials, ANSI/UL 263.**

The investigation of ceiling dampers involves a comparison of the fire resistance performance of a manufactured ceiling damper with that of a hinged-door sheet metal damper, installed in identical suspended ceiling constructions, to determine that the substitution of the ceiling damper does not reduce the hourly fire resistance rating of the assembly previously rated with the hinged-door type damper. Ceiling dampers are not assigned hourly ratings. Dampers are assembly components designated for use in specific hourly rated fire resistive assemblies incorporating air duct outlets penetrating protective membrane ceilings. The fire resistance performance of the maximum size ceiling damper submitted for test is compared with the performance of the hinged-door type damper protecting the smallest size duct outlet specified in a rated assembly and having the maximum hourly rating for which fire resistance of a specified duration is required.

Tests conducted in accordance with these requirements are intended to demonstrate the performance of ceiling dampers during the period of fire test exposure, and are not intended to determine acceptability for use after exposure to fire.

It is the intent that tests conducted in accordance with the test methods described in the standard develop data to enable regulatory authorities to determine the acceptability of ceiling dampers for use in floor-ceiling and roof-ceiling assemblies of the specified or shorter duration.

Each product is marked with the (manufacturer)'s or private labeler's name, trademark, or identifying symbol, a distinctive type, style, model or catalog designation, the fire resistance design number or type and maximum hourly rating of the fire resistance assembly for which the damper has been investigated, reference to installation in accordance with the (manufacturer)'s installation instructions, and the date of manufacture, which is capable of being in code. When a (manufacturer) produces dampers at more than one factory, each damper has a distinctive marking to identify it as the product of a particular factory.

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### **CEILING DAMPERS AND DAMPER BOX ASSEMBLIES** (continued)

These products comply with ARL requirements which include pertinent sections of the Standard for Safety, **ANSI/UL 555C, Ceiling Dampers**, and are intended for installation in accordance with the Standard for the Installation of Air Conditioning and Ventilating Systems, NFPA 90A; and the Standard for the Installation of Warm Air Heating and Air Conditioning Systems, NFPA 90B.

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

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**AIRE TECHNOLOGIES, INC.**  
**East Monongahela, PA 15063**

Ceiling Radiation Damper/Boot Assembly, ~~model CRD50 or CRD50-EA; for installation in partition types: L-521, L-528, L-546, L-563, P-522 and P-544~~ (File 30670) **DELISTED**  
03/31/09

**LLOYD INDUSTRIES, INC.**  
**Warrington, PA 18976**

Ceiling Radiation Damper Box, ~~model: 55 CRD or 50 CRD may be f/b EA or BT f/b 4 x 4 - 24 x 24~~ (File 29943) **DELISTED**

**LLOYD INDUSTRIES, INC.** (manufacturer)  
**Montgomeryville, PA 18936**

Ceiling Radiation Damper, ~~model: CRD50 or CRD55 may be f/b EA, BT or EA-BT f/b 4 x 4 - 24 x 24~~ (File 29943) **DELISTED**

Ceiling Radiation Damper and Insulated Plenum Box Assembly, model: CRD50 or CRD55 f/b BT, EA-BT, NI-BT or EA-NI-BT f/b 24G or 26G f/b S or T for installation in partition types: L-521, L-546, ~~P-522~~ and L-528 (File 30287)

**LLOYD INDUSTRIES, INC.** (manufacturer)  
**Orange Park, FL 32073**

Ceiling Radiation Damper and Insulated Plenum Box Assembly, model: CRD50 or CRD55 f/b BT, EA-BT, NI-BT or EA-NI-BT f/b 24G or 26G f/b S or T for installation in partition types: L-521, L-546, ~~P-522~~ and L-528 (File 30287A)

**MIAMI TECH, INC.** (manufacturer)  
**Miami, FL 33147**

Ceiling Radiation Damper, model R4-RDB or R6-RDB f/b numeric characters, may be f/b -M (File 29730)

Ceiling Radiation Damper and Insulated Plenum Box Assembly, model R4 or R6, for installation in partition types: L-521, L-546, L-528 or ~~P-522~~ (File 30123)

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**PERFECT AIR CONTROL, INC.** (manufacturer)  
**Marion, NC 28752**

Ceiling Radiation Damper Assembly, model CRD, CRDH or CRDL 5600 (series) for installation in partition types: L-521, L-528, L-546 or ~~P-522~~ (File 30621)

**SNAP-RITE MANUFACTURING, INC.** (manufacturer)  
**Coats, NC 27512**

Ceiling Radiation Damper and Insulated Plenum Box Assembly, model CRDA f/b A, B, C, D, E, F, G or H, for installation in partition types: L-521, L-546, L-528 or ~~P-522~~; fire rated 1-hour (File 30167)

**WARD INDUSTRIES** (manufacturer)  
**A DIV. OF HART & COOLEY, INC.**  
**Huntsville, AL 35811**

Ceiling Radiation Damper and Boot Assembly, model 50 or 55 f/b EA or LP f/b 4x4 to 24x24 for installation in partitions types: L-521, L-546 and ~~P-522~~ (File 30463)

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## CLASS 2 AND CLASS 3 TRANSFORMERS

The products listed here are transformers, herein called Class 2 or Class 3 transformers, for use with Class 2 or Class 3 circuits, respectively, in accordance with the National Electrical Code, ANSI/NFPA 70. They are intended for connection to essentially sinusoidal supply sources. Permanently connected transformers are rated 600 volts or less, and cord and plug connected transformers are rated 120 volts or less.

A Class 2 or Class 3 transformer that is inherently limited has an impedance within the transformer that limits the current output to a particular maximum value. It may or may not be provided with a thermostat or other temperature sensitive device to limit its maximum temperature.

A Class 2 or Class 3 transformer that is not inherently limited does not have an impedance to limit the maximum current output to a specified value. However, the maximum power output is limited by an overcurrent-protective device.

A Class 2 or Class 3 transformer that includes a separate current-limiting impedance, such as a resistor or a positive temperature coefficient device (PTC), is covered by these requirements.

A Class 2 transformer has a 30-volt rms maximum secondary potential under any condition of loading or open circuit.

A Class 2 or Class 3 transformer that includes a resonance regulating circuit is covered by these requirements.

These requirements do not cover power supplies, toy transformers, direct plug-in transformers, or transformers intended for use in audio-, radio-, or television-type appliances. A transformer provided with a rectifier is considered to be a power supply.

The requirements in this standard may be modified by requirements in an end product standard if a transformer is intended for use only as a component in other equipment.

These products comply with ARL requirements which include pertinent sections of the following standard: **ANSI/UL 1585, "Class 2 and Class 3 Transformers."**

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### **CLASS 2 AND CLASS 3 TRANSFORMERS** (continued)

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**WARREN TECHNOLOGY, INC.** (manufacturer)  
**Hialeah, FL 33016**

Power Supply, model WPST NEC Class 2, 208-240 VAC (File 30597) **NRTL**

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## COIN AND CURRENCY CHANGERS AND ACTUATORS

The products covered here are self-contained coin, credit card, debit card, currency, and token changers and actuators rated not more than 600 volts for use in accordance with the National Electrical Code, ANSI/NFPA 70.

The requirements for this category cover open-type appliances and controls for use with coin, credit card, debit card, currency, and token operated devices intended to be factory or field installed in vending machines and other appliances.

These requirements for this category do not cover the effectiveness of antitheft protection features.

These products comply with ARL requirements which include pertinent sections of the Standards for Safety, **ANSI/UL 756, Coin and Currency Changers and Actuators**. The products are intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70.

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**AMERICAN CHANGER CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33309**

Currency Changer, model AC f/b 1000, 1001, 1002, 1005, 2000, 2001, 2002, 2002.1, 2003, 2005, 2006, 2007, 2009, 2221, 6000, 6003, 6007, 8000, 8001, 8001.1, 8005, AC8007, AC8225 (File 30572)

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## COMMERCIAL DRY CLEANING MACHINES (TYPE IV)

The products listed here are dry cleaning machines for use as or with Type IV systems utilizing Class IV solvents or Class IIIA solvents as defined in the Standard for Dry Cleaning Plants, NFPA 32. The machines investigated under these requirements are intended for use with solvents or liquids classed as non-flammable or as having a maximum numerical fire hazard rating of 5, in accordance with the Standard for Tests for Comparative Flammability of Liquids, UL 340. The requirements for this category cover dry cleaning machines that are rated 600 volts or less and that employ no universal motor rated more than 250 volts. The products are intended for use in commercial cleaning establishments, in which the machine or system ordinarily is not accessible to the general public while in operation. Requirements for this category **do not** cover machines intended for use in Type V operations, in which the machine or system is accessible to or used by the general public.

A dry cleaning machine is considered to be a unit (usually not including any associated equipment) intended to clean fabrics only, or to clean and damp dry fabrics. If a unit is designated as a dry cleaning system, all the elements for the cleaning and complete drying process are considered as a whole. In either case, all elements of a machine or system and commercially used accessories and associated equipment, such as cleaning liquid transfer pumps, reclaimers, air compressors, drying tumblers, and the like, have been investigated under these requirements and under such additional requirements as are applicable to the element or accessory under consideration. An accessory is covered either as an integral part of a dry cleaning system or as an individually installed, but associated, component.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive type, style, model or catalog designation, date code, electrical ratings, electrical hazard warnings, wiring diagram, type and amount of cleaning agent employed, air venting requirements, and other cautionary and hazard warnings as applicable.

These products comply with ARL requirements which include pertinent sections of the Standard for Safety, **ANSI/UL 664, Commercial Dry Cleaning Machines (Type IV)** and are for use in ordinary locations in accordance with the National Electrical Code, ANSI/NFPA 70.

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### **COMMERCIAL DRY CLEANING MACHINES (TYPE IV)** (continued)

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**RENZACCI OF AMERICA**  
**Miami, FL 33138**

~~Commercial Dry Cleaning Machine, Type IV, tradename model "Serena Sun" 260, 310 or 530 f/b S or E; "Skipper Sun" 310S (File 28164) DELISTED~~

**RENZACCI, S.P.A.** (manufacturer)  
**06012 Citta di Castello (PG)**

~~Commercial Dry Cleaning Machine, Type IV, tradename model "Serena Sun" f/b 260, 310 or 530 f/b S or E; "Skipper Sun" 310S; "Clean Pro" 440 f/b S or E; "Patriot" 480S (File 28164A, 28283) DELISTED~~

~~Commercial Dry Cleaning Machine, Type IV, tradename model "Aero-Tech", Renzacci f/b 250, 280, 410, 480 or 650; "Gold Deluxe" 240; "Force", "Patriot System" or "Patriot System Green" f/b 240, 240 DC, 260, 260 DC, 380, 380 DC, 480, 480 DC, 550, or 650; "Serena Green" f/b 240 DC, 260, 260 DC, 380, 380 DC, 480, 480 DC, 550 or 604; "Speed Master"; "Planet", "Planet R2001" f/b 20, 30, 35, 45, 55, 65, or 85, "Planet Club" or "Planet Club R2001" f/b 20, 30, 35, 45, or 55, all may be f/b E or S (File 29029) NRTL~~

~~Commercial Dry Cleaning Machine, Type IIIA, tradename model "KWL (Klean Line)" f/b 15, 15/S, 18, 18 Super, 25, 25 Super or 40 f/b E or -S (File 29759) NRTL~~

~~Commercial Dry Cleaning Machine, Type IIIA tradename model "Petro Star" f/b 350, 350M, 450, 450 Super, 600, 600 Super or 800 f/b E or S (File 29759B) DELISTED~~

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## COMMERCIAL GAS AND/OR ELECTRIC COOKING APPLIANCES

The products listed here are gas fired and/or electrically energized cooking appliances intended for use in commercial kitchens, restaurants or other business establishments where food is dispensed. The listings include coffee makers, conductive cookers, food warmers, fryers, griddles, steam kettles, steam cookers, nut warmers, popcorn machines, ranges, utensil warmers and other similar commercial food preparing and cooking appliances.

The requirements for this category **do not** cover vending machines, cooking appliances intended for household use, commercial cooking appliances rated more than 600 volts, or microwave cooking appliances.

An appliance designed so that it can be mounted and supported at an outlet box, such as a food warmer, has been judged on the basis of compliance with the requirements for this category and with the mounting and weight requirements for electric lighting fixtures.

An appliance that also utilizes heat produced by a means other than electrical, for example, coal, gas, or oil, has been investigated with respect to such additional risk of fire. Gas fired appliances may utilize natural gas, manufactured gas, mixed gas, propane gas, liquefied petroleum gases, or LP gas / air mixtures.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive style, type, catalog or model designation, date code, electrical ratings, electrical hazard warnings, wiring diagram, minimum clearances to combustible materials and other fire hazard and cautionary warnings as applicable.

These products are rated 600 volts or less and comply with ARL requirements which include pertinent sections of the Standards for Safety, **ANSI/UL 197, Commercial Electric Cooking Appliances, and/or ANSI/IAS Z83.11-1996 / CGA 1.8-M96, Gas Food Service Equipment (formerly ANSI/AGA Z83.12, Gas Food Service Equipment - Baking and Roasting Ovens).** They are intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70 and/or the National Fuel Gas Code, ANSI Z223.1/NFPA 54.

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

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**FRIEDRICH METAL PRODUCTS CO., INC.** (manufacturer)  
**Greensboro, NC 27415**

Commercial Electric Smoker Oven, model FMP-400 may be f/b 1, 2, 3, 4, 5, 6 or 7;  
Model: FMP-CT60, may be f/b 1, 2, 3, or 4 (File 28312) **NRTL**

~~Commercial Electric Bakery Oven, model FMP-800 (File 28985) **NRTL**~~ **DELISTED**

~~Commercial Electric Smoker Oven, model FMP-50 (File 29751) **NRTL**~~ **DELISTED**  
03.19.09

Commercial Electric Bakery Proofer, model FMP f/b 100 or 200 (File 29775) **NRTL**

~~Commercial Electric Roasting Oven, model FMP-160 (File 29811) **NRTL**~~ **DELISTED**  
03.19.09

Commercial Electric Bakery Oven, model FMP 900 and FMP-901 (File 30383) **NRTL**

Commercial Gas Bakery Oven, model FMP f/b 900 or 901 f/b alpha/numeric characters  
(File 30516)

~~**REMCO INDUSTRIES INTERNATIONAL, INC.** (manufacturer)  
**Ft. Lauderdale, FL 33314**~~

~~Commercial Gas Roasting Oven, model BZ-72, DP-36, DS-60, KR-96 or WB-48 (File  
29109) **NRTL**~~ **DELISTED** 08.04.09

~~Commercial Gas Roasting Oven, model Millennium-2000 (File 29839) **NRTL**~~ **DELISTED**  
08.04.09

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## **DOOR, DRAPERY, GATE, LOUVER AND WINDOW OPERATORS AND SYSTEMS**

The products listed here are electric operators for doors, draperies, gates, louvers, windows and other opening and closing appliances for use in ordinary locations. The listings also include complete doors, gates and other such assemblies that include electric opening and closing appliances. The requirements for this category also cover accessories, such as external entrapment protection devices for use with the listed product.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive style, type, catalog or model designation, date code, electrical ratings, electrical diagram, electrical hazard warnings, and other cautionary and hazard warnings as applicable.

These products comply with ARL requirements which include pertinent sections of the Standard for Safety, **ANSI/UL 325, Door, Drapery, Gate, Louver, and Window Operators and Systems.** They are intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70. Doors and door operators intended for exit use as defined in the Life Safety Code, NFPA 101 and codes such as the BOCA National Building Code, the Standard Building Code, and the Uniform Building Code, are additionally subject to design requirements specific to such use.

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

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**AFTABEL UNLIMITED** (manufacturer)  
**d/b/a GATE OPERATORS, INC.**  
**Pompano Beach, FL 33069**

Family of Gate Operators, ~~4<sup>th</sup> Model trade name "President"~~  
~~Model K f/b 400, 800, 1400 or 2200 all f/b PLUS and "President"~~ (File 30625) **NRTL**  
**DELISTED** 01.19.10

Listed Photo Beam Switch or Double Photo Beam Switch, ~~Model: PB1200, Model: IR-~~  
~~3000G, Model: PB 1200-P~~ (File 30696) **DELISTED** 01.19.10

**DITEC S.p.A.**  
**Orlando Florida 32837**

Swing Door Operators, ~~model WELSU, WELMU, and WELEU~~ (File 30786) **NRTL DELISTED**  
03/30/09

**GATEMOTORS, INC.** (manufacturer)  
**Clermont, FL 34712**

Family of Residential Gate Operators, Models TC-3, TC-9, TR-3, TR-9; Swing Operator  
JS-3500 (File 30777) **NRTL**

**QMI SECURITY SOLUTIONS** (manufacturer)  
**Itasca, IL 60143**

Roll Up Shutter, models 1E, 2E, 3E, 4E or 5E all f/b EM-SA 520-DC, BM-EASY-10,  
MOTOR-JS, MOTOR-JS-C, EM-SA f/b alpha/numeric characters (File 30648) **NRTL**

**ROLLADEN, INC.** (manufacturer)  
**Hallandale, FL 33009**

Roll Down Shutters Model EA - EAB f/b 038 or 048 (File 29843) **NRTL**

**SEA S.r.l** (manufacturer)  
**Teramo, Italy 64020**

Commercial / Industrial Gate Operator, trade name models Lepus, Libra, Lyra, Orion or  
Vela (File 30101)

Residential Gate Operator, trade name models Libra (mini-tank) (File 30127)

Automatic Gate Electronic Control Unit, model 2300, 2301 or 2302 (File 30143)

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## **DOORS, FRAMES AND DOOR ASSEMBLIES - ELECTRICAL -**

The products listed here are doors, frames, and door assemblies of various materials and types of construction that employ electrical devices and/or equipment which are integral to the product. These products are for installation in accordance with ANSI/NFPA 70 and are for connection to alternating current circuits not greater than 600 volts.

For purposes of this category, products listed here may be a component of commercial refrigerators and freezers, cold storage rooms, walk-in coolers, display cases, reach-in cabinets, meat cases, frozen food and merchandising cabinets, beverage coolers, beverage cooler-dispensers, food service carts, ice cream cabinets, and soda fountain units.

This category of products does not include doors, frames and door assemblies that are intended to retard the passage of fire through wall openings and are covered under separate requirements.

The term "Door Assembly" includes the door, frame or guide and necessary hardware. The mounting and operating parts are especially designed for the door and are not interchangeable.

The term "Door" pertains to the door panel only and does not include the frame, hardware or other accessories with which it is installed unless otherwise specified. Authorities having jurisdiction should be consulted concerning the type, mounting, hardware, frame and closing mechanism acceptable for any given location.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive type, style, catalog or model designation, electrical ratings, electrical hazard warnings, date code, application and installation limitations, and other cautionary and hazard warnings as required for individual products.

These products comply with ARL requirements which include pertinent sections of the Standards for Safety, **ANSI/UL 471, Commercial Refrigerators and Freezers and ANSI/NFPA 70 (National Electrical Code)**.

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

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**AMPCO PRODUCTS, INC.**  
**Hialeah, FL 33014**

~~Fire Door, 3/4 hour rating, class C, laminated plastic skin with chipboard core, size 36" to 48" by 79" to 96" by 1 3/4" (File 18113) DELISTED~~

~~Fire Door Frame, 1 1/2 hour rating, class B, master frame with adjuster frame of 16 gauge steel (File 21274) DELISTED~~

~~Fire Door, 20 minute rating, GP-50 laminated plastic face, particle board core, type 1-C-1 wood stiles and rails, size 36" to 48" by 79" to 96" by 1 3/4" (File 22254) DELISTED~~

**AMPCO PRODUCTS, INC.** (manufacturer)  
**Miami, FL 33167-2907**

Fire Door, model CPC45, 3/4 hour rating, class C, laminated plastic skin with chipboard core, size 36" to 48" by 79" to 96" by 1 3/4" (File 29816) NRTL

**DADE ENGINEERING CORP.** (manufacturer)  
**Hialeah, FL 33010**

Cooler or Freezer Door Assembly, model EC, EC-PS, MHS or ST f/b 4500 f/b one numeric character

Cooler or Freezer Door Assembly, model EC, EC-PS, MHS or ST f/b 24 to 96 f/b 30 to 96 f/b -1 f/b C or F (File 28592) NRTL

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## **DOORS, FRAMES AND DOOR ASSEMBLIES - FIRE -**

The products listed here are fire doors and frames, fire door assemblies, smoke and draft control doors and frames, trash chute doors, trash chute door assemblies and other doors and door assemblies of various materials and types of construction that are intended to retard the passage of fire through wall openings.

The term "Fire Door Assembly" includes the door, frame or guide and necessary listed hardware. The mounting and operating parts are especially designed for the door and are not interchangeable.

The term "Fire Door" pertains to the door and does not include the frame, hardware or other accessories with which it is installed unless otherwise specified. Authorities having jurisdiction should be consulted concerning the type, mounting, listed hardware, listed frame and listed closing mechanism acceptable for any given location.

Each product is marked with the name or trademark of the (manufacturer) or vendor, fire rating, fire class and, if applicable, the minimum bolt throw requirement. Additionally, the product may also be marked with a distinctive type, style, catalog or model designation.

These products comply with ARL requirements which include pertinent sections of **ASTM E152, Standard Test Methods of Fire Tests of Door Assemblies**, and are intended for installation in accordance with the Standard for Fire Doors and Windows, ANSI/NFPA 80.

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

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**THERMA TRU CORPORATION** (manufacturer)  
**Butler, IN 46721**

Fire Door, model 100, 3/4 hour rating, class C, 24 gauge galvanized steel skins, polyurethane core, sizes 24" to 42" by 80" to 84" by 1 3/4" (File 28565) <sup>NRTL</sup>

Smoke and Draft Control Frame, model JB4HR4W or JB4LRSW, 20 minute rating, class E, wood construction, 32", 36" or 42" wide for single door installations or 60", 64", 68" or 72" for double door installations, by 80" by 4 5/8", 5 1/4" or 6 5/8" (File 28597) <sup>NRTL</sup>

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## DUCT HEATERS

The products listed here are fixed electric duct heaters, and remote control assemblies for such equipment, rated at 600 volts or less and are intended to be employed in ordinary locations in accordance with the National Electrical Code, ANSI/NFPA 70.

A duct heater is a self-contained heater designed to be installed in the field in the air stream of a ducted system, external to the air moving unit. It is designed to be installed in a duct where an adequate flow of air from a separate, interlocked fan or blower system is provided. Such a heater may be located in the main supply duct of an air heating system, or in one of the branch ducts. Two or more duct heaters may be installed in a group (in proximity to one another in the duct) if testing indicated acceptable results when the heaters were installed in accordance with the (manufacturer)'s instructions. Some duct heaters have been investigated for installations less than four feet downstream from the air moving device (close coupled application), and have been approved and listed for use with specific HVAC equipment.

A duct heater intended to be employed in conjunction with another source of heat has been judged on the basis of its compliance with the requirements of the standard, and further examination and tests to determine whether or not the combination was acceptable.

A duct heater intended for use in a hazardous location has been judged on the basis of its compliance with the requirements of the standard, together with the requirements for hazardous location equipment included in other applicable standards.

The requirements for this category apply to relays and other auxiliary control devices that may be provided as part of a duct heater to make it usable with other heating or cooling equipment, and are intended to take into account the effects of operating the duct heater in conjunction with or in proximity to such equipment.

Requirements for this category **do not** cover fan coil units, central heating furnaces, panel or cable type radiant heating equipment, electric boilers, baseboard heaters, air heaters, nor any other electric heating equipment or appliances which are covered in or as a part of separate, individual requirements.

Each product is marked with the name or trademark of the (manufacturer) or private labeler, a distinctive style, type, model or catalog designation, date code, place of manufacture (if produced at more than one factory), voltage or voltage range, frequency in hertz, number of phases, heater input in amperes, volt-amperes, or watts, range or maximum external static pressure, the minimum spacing to combustible surfaces if greater than zero, and other hazard and warning markings as required for individual products.

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## **DUCT HEATERS** (continued)

These products comply with ARL requirements which include pertinent sections of Standard for Safety, **ANSI/UL 1996, Duct Heaters**. Duct heaters designed to be connected to air duct systems are intended for installation in accordance with the Standard for Air Conditioning and Ventilating Systems, NFPA 90A, and the Standard for Warm Air Heating and Air Conditioning Systems, NFPA 90B.

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

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**BEL THERMAL UNITS, INC.** (manufacturer)  
**Ft. Lauderdale, FL 33334**

NEMA 3R, 4, 4X and 12 Electrical Enclosures

Duct Heater, model MR f/b alpha/numeric characters, 0.5 to 432.0 kW (File 29706) NRTL

Duct Heater, model C f/b alpha/numeric characters, 0.5 to 100.0 kW, approved for close coupled installations, 25 kW maximum per square foot of duct, no less than 50 CFM per kW, see below for individual model designations and HVAC equipment compatibility

C-##- f/b BH or BV, for use with Airtherm packaged air handling unit, model 24, 36, 48, 60, 90, 120 or 180 f/b AHW, AHX, AVW or AVX

C-##- f/b BH or BV, for use with First Company belt drive blower coil unit, model 24, 36, 48, 60, 90, 120, 180 or 240 f/b ~~CHW, CHX, CVW or CVX~~ SHW-SVW and SHX-SVX; or Brand Named by Air Applied Environmental Air (AE-AIR) as ASH, ASH Series and Air Side Products (ASP) as YSV, YSH

C-##- f/b BH, BM or BV, for use with MagicAire air handler unit, model 24, 36, 48, 60, 90, 120, 180 or 240 f/b BHW, BHX, BM, BMW, BMX, BVW, BVX, HBB, HBAX or HBAW, ~~BH 04-80~~, HBB

C- f/b DH- or DV- f/b ###, for use with Magic Aire air handler unit, model DHW, DHX, DVW or DVX f/b 400, 600, 800 or 1000

C-##- f/b BH, BM or BV, for use with USA Coil and Air fan coil unit, model LWVB, LXVB, SWVB, SXVB, WHB, WHD, WVD, XHB, XHD or XVD f/b 04, 06, 08, 10, 12, 16, 20, 30, 40, 60 or 80

C- f/b RHGA or RHGE, for use with Rheem/Ruud commercial air handler, model RHGA, RHGB, RHGC, RHGD, RHGE, RHGF, RHPA, UHGA, UHGB, UHGC, UHGD, UHGE, UHGF or UHPA f/b 075, 100, 150 or 200

C-RHGE, for use with ComfortMaker commercial air handler, model DB2000C

C-RHGA, for use with Dayton Electric commercial air handler, model MHGE or MHGF f/b 075 or 100

C- f/b RHGA or RHGE, for use with WeatherKing commercial air handler, model AC or AH f/b 7.5, 10, 15 or 20 f/b T

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**BEL THERMAL UNITS, INC.** (manufacturer)  
**Ft. Lauderdale, FL 33334** (continued)

C- f/b BEA, BHA or BHJ, for use with Rheem/Ruud commercial air handlers, heat pumps and fan coil units model RBEA, UBEA, RBHA, UBHA, RBHJ or UBHJ f/b 14, 17, 21, 24 or 25

C- f/b DV f/b 600, 800 or 1000 for use with First Company Vertical Fan Coil Units, models 6, 8, 10 or 12 f/b CCW

C-## - f/b BH or BV, for use with ICP air handler unit, model BHH or BHV f/b 036, 048 or 060 f/b M, f/b suffixes (File 29707) NRTL

**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315**

Duct Heater, model HXOB f/b alpha/numeric characters, approved for close coupled installations, 25 kW maximum per square foot of duct, no less than 50 CFM per kW, see below for individual model designations and HVAC equipment compatibility

HXOB-VCH, for use with WeatherKing fan coil unit, model VCH f/b 044, 064, 070, 074, 094, 104, 124, 134, 154, 184, 194, 244, 254, 304, 314, 364 or 374 f/b M or S f/b 1E, 3E or 4E f/b alpha/numeric characters

HXOB-HCH, for use with WeatherKing fan coil unit, model HCH f/b 044, 054, 064, 070, 074, 094, 104, 124, 134, 154, 184, 194, 244, 254, 304, 314, 364 or 374 f/b M or S f/b 1E, 3E or 4E f/b alpha/numeric characters

HXOB- f/b 40 f/b RR or RS, for use with Carrier packaged air handler, model 40 f/b RR or RS f/b 008, 012, 014, 016, 024, 028 or 034 f/b 1, 3 or 5

HXOB-CAH, for use with WeatherKing packaged air handler, model CAH f/b 090 or 120 f/b alpha/numeric characters

HXOB-TWE, for use with Trane or American Standard air handler, model TWE f/b 060, 090, 120, 180 or 240 f/b A or B f/b 1, 3 or 4 f/b alpha/numeric characters

HXOB- f/b WPC or WPH, for use with WeatherKing packaged water source air conditioner, model WPC or packaged water source heat pump, model WPH, both f/b 022, 028, 032, 036, 044, 054 or 064 f/b alpha/numeric characters

HXOB-40BA, for use with Carrier direct expansion fan coil unit, model 40BA f/b 007 or 009

HXOB- f/b BMA or DB, for use with Inter-City Products air handler, model BMA f/b 090 or 120; DB f/b 080 or 100, all f/b alpha/numeric characters

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**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315** (continued)

HXOB-BMB, for use with Inter-City Products air handler, model BMB f/b 090 or 120 f/b alpha/numeric characters

HXOB-MCLCH, for use with Trane air handler, model MCLCH f/b 003, 006, 008, 010, 012, 014, 017, 021, 025, 030, 035, 040, 050, 066, 080 or 100 f/b alpha/numeric characters

HXOB-39L, for use with Carrier central station air handler, model 39L f/b A, B, C, D, F, G or H f/b 1 or 2 f/b 03, 06, 08, 10, 12, 15, 18, 21, 25, 31 or 35 f/b alpha/numeric characters

HXOB- f/b PC or PH, for use with WeatherKing packaged air conditioner, model PC or packaged heat pump, model PH; all f/b 044, 054, 064, 074, 084, 094, 104, 114, 124, 134, 144, 154, 184, 194, 244, 254, 304, 314, 364, 374, 404 or 414 f/b M or S f/b 1E, 3E or 4E f/b alpha/numeric characters

HXOB- f/b KBC, KBU, KEU or LEU, for use with split-system evaporator blower, Luxaire or Fraser-Johnston model KBU 060; KBC f/b 060, 090, 120 or 180; York model KEU f/b 060, 090, 120 or 180; LEU f/b 240, 360, 480 or 600

HXOB-WPG, for use with Addison / WeatherKing packaged water source heat pump, model WPG f/b 017, 020, 024, 030, 036, 042, 048, 054, 060 or 066 f/b alpha/numeric characters

HXOB-HWPG, for use with Addison / WeatherKing packaged water source heat pump, model HWPG f/b 017, 020, 024, 030, 036, 042, 048, 054, 060 or 066 f/b alpha/numeric characters

HXOB- f/b 50 f/b BT or BU, for use with Carrier vertical packaged air conditioner, model 50 f/b BT or BU f/b 004, 006, 008 or 012 f/b alpha/numeric characters

HXOB-50EC, for use with Carrier vertical packaged air conditioner, model 50EC f/b 006, 008, 012 or 016 f/b alpha/numeric characters

HXOB-PCA, for use with WeatherKing packaged air conditioner, model PCA f/b 051, 061, 071, 101, 141, 201, 271 or 361 f/b M or S f/b 3 or 4 f/b alpha/numeric characters

HXOB- f/b 50 f/b BA, BB, BT or BU, for use with Carrier vertical packaged air conditioner, model 50 f/b BA, BB, BT or BU f/b 016, 024, 028, 034, 044, 054 or 064 f/b alpha/numeric characters

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**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315** (continued)

HXOB- f/b 50 f/b BJ or BK, for use with Carrier vertical packaged air conditioner, model 50 f/b BJ or BK f/b 016, 024, 028, 034, 044, 054 or 064 f/b alpha/numeric characters

HXOB- f/b WPHD, WPVD or WPVE, for use with Trane / American Standard water source heat pump, model WPHD f/b 013, 019, 026, 028, 035, 041, 051, 061, 080 or 100; WPVD f/b 013, 019, 080, 100, 150, 200 or 250; WPVE f/b 028, 035, 041, 051 or 061; all f/b alpha/numeric characters

HXOB- f/b SPHD, SPVD or GSUD, for use with Command Aire water source heat pump, model SPHD f/b 013, 019, 026, 028, 035, 041, 051, 061, 080 or 100; SPVD f/b 013, 019, 080, 100, 150, 200 or 250; GSUD f/b 028, 035, 041, 051 or 061; all f/b alpha/numeric characters

HXOB-WPHF, for use with Trane / American Standard water source heat pump, model WPHF f/b 021, 027, 035, 040, 047 or 057 f/b alpha/numeric characters

HXOB- f/b SRUB or SWUB, for use with Trane / American Standard packaged vertical air conditioner, model SRUB or SWUB f/b B30, B50, B75, C10 or C15 f/b alpha/numeric characters

HXOB- f/b CHW or CHX, for use with First Company commercial air handler, model 24, 36 or 48 f/b CHW; 90, 120 or 180 f/b CHX, all f/b alpha/numeric characters

HXOB-BCHA, for use with Trane / American Standard blower coil air handler, model BCHA f/b 024, 036, 054, 072 or 090 f/b alpha/numeric characters

HXOB- f/b BCHB or BCVB, for use with Trane / American Standard blower coil air handler, model 024, 036, 054, 072, 090 or 120 f/b alpha/numeric characters

HXOB- f/b LSL, LYF or MSL, for use with McQuay central station air handler, model LSL, LYF or MSL f/b 103, 104, 106, 108, 111, 114, 117, 122, 128, 134, 137, 141, 150, 164 or 172 f/b alpha/numeric characters

HXOB- f/b RRS or RSS, for use with McQuay or Snyder General packaged rooftop air conditioner, model RRS or RSS f/b 018, 020, 025, 030, 035, 037, 041, 051 or 060 f/b alpha characters

HXOB- f/b GSHA or GSHB, for use with Command Aire water source heat pump model GSHA or GSHB f/b 026, 028, 035, 041, 051 or 061 f/b alpha/numeric characters

HXOB-GSUF, for use with Command Aire water source heat pump model GSUF f/b 024, 030, 036, 042, 048, 060 or 072 f/b alpha/numeric characters

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**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315** (continued)

HXOB- f/b CCG, CCH, CCW, CDD, CDE, CDL, CDS, CME or CMS, for use with McQuay horizontal water source heat pump, model CCG, CCH, CCW, CDD, CDE, CDL, CDS, CME or CMS f/b 007, 009, 012, 015, 019, 024, 030, 036, 042, 048 or 060 f/b alpha/numeric characters

HXOB- f/b FCG, FCV, FCW, FDD, FDE, FDL, FDS, FME or FMS for use with McQuay vertical water source heat pump, model FCG, FCV FCW, FDD, FDE, FDL, FDS, FME or FMS f/b 007, 009, 012, 015, 019, 024, 030, 036, 042, 048 or 060 f/b alpha/numeric characters

HXOB- f/b 50 f/b QEH or QXH, for use with Carrier water source heat pump, model 50 f/b QEH or QXH f/b 007, 009, 012, 018, 024, 030, 036, 042, 048, 060 or 072 f/b alpha/numeric characters

HXOB- f/b 50 f/b YAH or YAV, for use with Carrier water source heat pump, model 50 f/b YAH or YAV f/b 009, 012, 015, 019, 024, 030, 036, 042, 048 or 060 f/b alpha/numeric characters

HXOB- f/b 42 f/b CAA, CEA or CFA, for use with Carrier fan coil unit, model 42 f/b CAA, CEA or CFA f/b 02, 03, 04, 06, 08, 10 or 12 f/b alpha/numeric characters

HXOB-50AH, for use with Carrier indoor single package unit, model 50AH f/b 024, 036, 048 or 060 f/b alpha/numeric characters

HXOB-CSI, for use with York central station air handler, model CSI f/b 32, 50, 74, 113, 156, 217, 270, 336, 402, 490, 578, 666 or 754 f/b alpha/numeric characters

HXOB- f/b BHW or BHX, for use with Magic Aire blower coil unit, model 24, 36, 48, 60, 90 or 120 f/b BHW or BHX f/b alpha/numeric characters

HXOB- f/b AHW or AHX, for use with Airtherm packaged air handling unit, model 24, 36, 48, 60, 90, 120 or 180 f/b AHW or AHX f/b alpha/numeric characters

HXOB- f/b BVW or BVX, for use with Magic Aire blower coil unit, model 24, 36, 48, 60, 90 or 120 f/b BVW or BVX f/b alpha/numeric characters

HXOB- f/b AVW or AVX, for use with Airtherm packaged air handling unit, model 24, 36, 48, 60, 90 or 120 f/b AVW or AVX f/b alpha/numeric characters

HXOB- f/b BMW or BMX, for use with Magic Aire blower coil unit, model 48, 60, 90, 120, 180 or 240 f/b BMW or BMX f/b alpha/numeric characters

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**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315** (continued)

HXOB- f/b DHW or DHX, for use with Magic Aire direct drive air unit, model DHW or DHX f/b 400, 600, 800 or 1000

HXOB- f/b DVW or DVX, for use with Magic Aire direct drive air unit, model DVW or DVX f/b 400, 600, 800 or 1000

HXOB- f/b RHGE, RHGF, UHGE or WHGME, for use with Rheem commercial air handler, model RHGE f/b 075, 100, 150 or 200, RHGF 100; Ruud model UHGE f/b 075, 100, 150 or 200; or WeatherKing model WHGME f/b 075, 100, 150 or 200; all f/b alpha/numeric characters

HXOB- f/b VE, VL, VS, VT, VQA, VQD or YBV, for use with ClimateMaster water source heat pump model VE, VL, VS or VT f/b 006, 009, 012, 015, 019, 024, 030, 036, 042, 048 or 060; Carrier model 50 f/b VQA or VQD f/b 009, 012, 015, 019, 024, 030, 036, 042, 048 or 060; Carrier model 50 YBV f/b 030, 036, 042, 048 or 060; all f/b alpha/numeric characters

HXOB-CS, for use with York central station air handler, model CS f/b 32, 50, 74, 113, 156, 217, 270, 336, 402, 490, 578, 666 or 754 f/b alpha/numeric characters

HXOB- f/b SCB, SCD, SHB or SHD, for use with McQuay fan coil unit, model SCB or SHB f/b 081, 121, 161, 201 or 301; SCD or SHD f/b 061, 081, 121, 161 or 201; all f/b alpha/numeric characters

HXOB- f/b DW, IH, PD or WC, for use with Desert Aire dehumidifier unit, model IH or WC f/b 125, 200, 300, 500, 750, 1000 or 1200; PD f/b 100, 200, 300 or 500; PDW f/b 200, 300 or 500; all f/b alpha/numeric characters

HXOB-SL, for use with Florida Heat Pump water source heat pump, model SL f/b 010, 016, 020, 025, 030, 040, 045, 050, 055 or 065

HXOB- f/b HLT or LT, for use with Florida Heat Pump water source heat pump, model HLT or LT f/b 010, 015, 020, 030, 040, 050, 060, 070 or 090

HXOB-FG3A, for use with Carrier fan coil unit, model FG3A f/b AA or SA f/b 024, 036, 048 or 060 f/b alpha/numeric characters

HXOB-39NX, for use with Carrier central station air handler, model 39NX f/b 07, 09, 11, 13, 17, 21, 26, 32, 39, 49, 61, 74 or 92 f/b alpha/numeric characters

HXOB-39T, for use with Carrier central station air handler, model 39T f/b 07, 09, 11, 13, 17, 21, 26, 32, 39, 49, 61, 74 or 92 f/b alpha/numeric characters

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**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315** (continued)

HXOB-RDS, for use with McQuay roof mounted air handler, model RDS f/b 708, 800, 802 or 804 f/b B

HXOB-AP, for use with York central station air handler, model AP f/b 35, 60, 80, 105, 120, 150, 170, 215, 250, 305, 360, 400, 500, 580, 660, 800 or 1000 f/b alpha/numeric characters

HXOB- f/b LGP or LHP, for use with McQuay air handler, model LGP or LHP f/b 7, 10, 12, 15, 20, 22, 25 or 27

HXOB- f/b 40RM, 40RMS or 524A, for use with Carrier, packaged air handler, model 40RM f/b 007, 008, 012, 014, 016, 024, 028 or 034; 40RMS f/b 008, 010, 012, 014, 016, 024, 028 or 034; Bryant packaged air handler, model 524A f/b 072, 090, 120, 150, 180, 240, 300 or 360

HXOB-MBE, for use with First Company fan coil unit, model 8, 10, 12, 16 or 20 f/b MBE

HXOB-DCA, for use the Dehumidifier Corporation of America dehumidifier, model DCA f/b 500, 900, 1400, 1900, 2500, 3300 or 5400

HXOB- f/b 50BR or 50BZ, for use with Carrier single packaged cooling units, model 50BR or 50BZ f/b 006, 008, 012, 014 or 016 f/b numeric characters

HXOB- f/b HCA or VCA, for use with Addison/WeatherKing fan coil unit, model HCA or VCA f/b 051, 071, 101, 141, 201, 271 or 361 f/b alpha/numeric characters

HXOB- f/b 39M, for use with Carrier Central Station Air Handler, models 39M f/b 03, 06, 08, 10, 12, 14, 17, 21, 25, or 30 f/b alpha/numeric characters

HXOB- f/b CAH, for use with McQuay Central Station Air Handler, models CAH f/b 003, 004, 006, 008, 010, 012, 014, 017, 021, 025, 030, 035, 040, 050, 065, 080, 085, or 090 f/b alpha/numeric characters

HXOB- f/b HBAW or HBAX, for use with Magic Aire blower coil unit, model 24, 36, 48, 60, 90, 120, 180 or 240 f/b HBAW or HBAX f/b alpha/numeric characters

HXOB- f/b 39SH, 39SV or 39SM, for use with Carrier Air Handlers, model 39SH, 39SV or 39SM f/b alphanumeric characters

HXOB- f/b 40RUA or 40RUS, for use with Carrier, packaged air handler, model 40RUA f/b 007, 008, 012, 014, or 016 f/b alpha/numeric characters; 40RUS f/b 008, 010, 012, 014, 016, 025, 028, 030 f/b alpha/numeric characters

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**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315** (continued)

HXOB- PCLCH, Models 3, 4, 6, 8, 10, 12, 14, 17, 21, 25 or 30 f/b PCLCH f/b alpha/numeric characters, for use with Trane CLCH Air Handlers, sizes 9BC, 9FC, 9-4FC, 9-6FC, 10BC, 10FC, 12AF, 12FC, 15AF, 15FC, 18AF, 18FC, 20AF, 20FC, 22AF, 22FC, 25AF or 25FC (File 29019) NRTL

Duct Heater, model OM1, OMF1, OMH1 or OMHF1 f/b alpha/numeric characters, 1 to 1750 kW, approved for outdoor installations (File 29314) NRTL

Remote Control Panel, model OCPR f/b alpha/numeric characters, for use with model OMH1 or OMHF1 duct heaters only (File 29314A) NRTL

Modular Heater, model MM1, MMH1, OMM1 or OMMH1 f/b alpha/numeric characters, 1 to 1750 kW, "O" prefixed models approved for outdoor installations (File 29320) NRTL

Remote Control Panel, model MCPR or OMCPR f/b alpha/numeric characters, for use with model MMH1 or OMMH1 modular heaters only (File 29320A) NRTL

Duct Heater, model DFS, DFF, ODFS, DFSS, DFFR, ODFSR, DAS, DAF, ODAS, DASR, DAFR, or ODASR, may be f/b X f/b numeric characters, approved for indoor/outdoor installations (File 30261) NRTL

**ELECTRO INDUSTRIES, INC.** (manufacturer)  
**Monticello, MN 55362**

Duct Heater, model EM- f/b DI, WC, WE, WM, WX or WH f/b alpha/numeric characters, 3.0 to 20.0 kW (File 29303) NRTL

Duct (Plenum) Heater, model EM- f/b ED, EU, II, LD, LV, WD or WU f/b alpha/numeric characters, (5.0 to 25.0 kW) (File 30303) NRTL

~~Dual Energy Furnace, model HD f/b D or W f/b numeric characters, 15 to 25.0 kW (File 30473) NRTL~~ **DELISTED** 11.02.09

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## ELECTRIC CENTRAL AIR HEATING EQUIPMENT

The products listed here are duct heaters, electric strip heaters, load management (off peak) electric heaters, plenum heaters, heater blower assemblies, electric furnaces, similar fixed electric central air heating equipment and remote control devices and assemblies for such equipment.

Listings for this category of products **do not** include fan coil units, panel or cable type radiant heating equipment, electric boilers, baseboard heaters, air heaters, nor any other electric heating equipment or appliances which are covered in or as a part of separate, individual requirements.

Electric space heating equipment intended for use in a hazardous location has been judged on the basis of its compliance with the requirements of the safety standard for this category, together with the requirements for hazardous location equipment included in other applicable standards.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive type, style, model or catalog designation, date code, electrical rating in volts, volt-amperes or watts, number of phases, frequency, electrical hazard warnings and other markings as required for specific applications. In addition, duct heaters and electric strip heaters are marked with a statement that the product has an integral limit control, voltage rating of the relay coil, wiring diagram, direction of air flow and reference to installation instructions for limitations of application.

These products comply with ARL requirements which include pertinent sections of the Standard for Safety, **ANSI/UL 1096, Electric Central Air Heating Equipment** and are intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70. Electric space heating equipment designed to be connected to air duct systems is intended for installation in accordance with the Standard for Air Conditioning and Ventilating Systems, NFPA 90A, and the Standard for Warm Air Heating and Air Conditioning Systems, NFPA 90B.

**Products shown in this category were listed prior to the adoption of ANSI/UL 1995, Heating and Cooling Equipment and ANSI/UL 1996, Duct Heaters.**

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

Only products which properly bear the ARL Listing Mark (Label) are considered Listed by ARL.

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**BEL THERMAL UNITS, INC.** (manufacturer)  
**Ft. Lauderdale, FL 33334**

Heater, ~~model B series, 25 kW maximum~~ (File 17832) **DELISTED**

Heater, ~~model C/X series, 20 kW maximum~~ (File 17382A) **DELISTED**

Heater, ~~model P series, 18 kW per ton maximum~~ (File 18432) **DELISTED**

Electric Strip Heater, ~~model BSNY f/b 1.0 through 30.0 kW, for use with Rheem Ruud Packaged Rooftop Air Conditioner models RSNY, RSNW, USNY or USNW f/b 030 through 060~~ (File 27552) **DELISTED**

Electric Strip Heater, ~~model BTASC f/b 1.0 through 20.0 kW, for use with Interterm ASC or TempAire TASC f/b 030B, 036B, 042B or 048B Unitary Air Conditioners~~ (File 27553) **DELISTED**

Electric Strip Heater, ~~model BTPSY f/b 1.0 through 20.0 kW, for use with Interterm PSY or TempAire TPSY f/b 030, 036, 042 or 048 Unitary Heat Pumps~~ (File 27553A) **DELISTED**

Duct Heater, ~~model MR, MED, MEDK, MKD, MSD, S or L f/b alpha/numeric characters, 0.5 to 750.0 kW~~ (File 27554) **DELISTED**

Electric Strip Heater, ~~model BSNC f/b 1.0 through 20.0 kW, for use with Rheem Ruud Packaged Air Conditioner model RSNC, RSND, USNC or USND or Packaged Heat Pump model RPNC, RPND, UPNC or UPND all f/b 018, 024, 030, 036, 042, 048 or 060~~ (File 28279) **DELISTED**

Electric Strip Heater, ~~model BRC f/b 075, 100, 125, 150 or 200 f/b numeric characters, 1.0 to 70.0 kW, for use with Rheem Ruud Packaged Rooftop Air Conditioner model RRCE, RRCC, URCE or URCC f/b 075, 100, 125, 150 or 200~~ (File 28520) **DELISTED**

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**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315**

Electric Strip Heater, ~~11.52 kW maximum, for use with G.E. air handler model RCWE-424 G1F02~~ (File 18231) **DELISTED**

Electric Strip Heater, ~~15.36 kW maximum, for use with G.E. air handler model BFW630 G1F04~~ (File 18265) **DELISTED**

Heat Strip, ~~model 1-0075, 11.52 kW maximum, for use with Dunham-Bush fan coil unit model 254-P~~ (File 19250) **DELISTED**

Heat Strip, ~~model 1-0075, 11.52 kW maximum, for use with Dunham-Bush fan coil unit model MH31PDD~~ (File 19250A) **DELISTED**

Heatrix Strip Heater, ~~model 1-0074, 15.0 kW maximum, for use with DNP f/b 30-180 f/b CVHFC-8~~ (File 19389) **DELISTED**

Heatrix Strip Heater, ~~model 1-0074, 10 kW maximum, for use with DNP f/b 18 or 24 f/b AVHFC-8; Carrier model 40GS f/b 018 or 024~~ (File 19469) **DELISTED**

Heatrix Strip Heater, ~~model 1-0074, 14.7 kW maximum, for use with Evans model MAH-f/b 36 or 48 f/b U~~ (File 19578) **DELISTED**

Heatrix Strip Heater, ~~model 1-0074, 14.7 kW maximum, for use with Carrier model 50MH (day/night); PAC-3; Bryant 550B~~ (File 19588) **DELISTED**

Heatrix Strip Heater, ~~model 1-0075, 16.0 kW maximum, for use with Climate Master model V-42~~ (File 19649) **DELISTED**

Heatrix Strip Heater, ~~model 1-0075, 10.0 kW maximum, for use with Climate Master air conditioner models V f/b 22, 27 or 33~~ (File 19684) **DELISTED**

Heatrix Strip Heater, ~~model 1-0074, 14.7 kW maximum, for use with Lear Siegler models MV f/b 24, 30 or 36~~ (File 19719) **DELISTED**

Heatrix Strip Heater, ~~model 1-0074, 20 kW maximum, for use with Carrier air conditioner model 40VU f/b 005 or 006~~ (File 19720) **DELISTED**

Heatrix Strip Heater, ~~model 1-0075, 9.8 kW maximum, for use with Carrier air conditioner model 40CL004~~ (File 19747) **DELISTED**

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**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315** (continued)

~~Heatrix Strip Heater, model 1-0075, 0.8 kW maximum, for use with York blower coil model CLBV f/b 18 or 24 (File 19778) DELISTED~~

~~Strip Heater, model 1-0075, 10.0 kW maximum, for use with Carrier fan coil model 40CL002 (File 20111) DELISTED~~

~~Electric Duct Heater, Heatrix model OB (File 20349) DELISTED~~

~~Heatrix Strip Heater, model 1-0074, 15.0 kW maximum, for use with Carrier air conditioner model 40VU f/b 003 or 004 (File 20765) DELISTED~~

~~Heatrix Strip Heater, model 1-0074, 7.5 kW maximum, for use with Carrier air conditioner model 40VU f/b 001 or 002 (File 20765) DELISTED~~

~~Electric Heater, for use with Carrier fan coil unit models 40FSWM f/b 160 or 200 (File 21877) DELISTED~~

~~Electric Duct Heater, for use with Chrysler model 820, #1104-2 (File 68280) DELISTED~~

~~Duct Heater, model HXOB, for use with forced air systems not less than 50 CFM per kW (File 26026, 26951) DELISTED~~

~~Electric Strip Heater, model ESHX, 3.75 to 30.0 kW, for use with Carrier model 40AQ f/b 018 through 036; 40 f/b QB or QH f/b 42 through 060; Bryant model 517E f/b 018 through 060 (File 27470) DELISTED~~

~~Electric Strip Heater, model PEHX f/b 5, 7.5, 10, 15 or 20 (kW) f/b numeric characters, see below for actual model numbers~~

~~PEHX 5 f/b 181/421, 481/662 or 481/662-3~~

~~PEHX f/b 7.5 or 10 f/b 241/421, 481/662 or 481/662-3~~

~~PEHX f/b 15 or 20 f/b 481/662 or 481/662-3~~

~~(model number suffix ####/### indicates heaters for use in the following heat pump and air conditioner model number ranges)~~

~~Geotll packaged heat pump model GBHP f/b 181, 241, 301, 361, 421, 481 or 662~~

~~Geotll packaged air conditioner model GBSC f/b 181, 241, 301, 361, 421, 481 or 662~~

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**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315** (continued)

~~American Best packaged heat pump model ABHP f/b 181, 241, 301, 361, 421, 481 or 662~~

~~American Best packaged air conditioner model ABSC f/b 181, 241, 301, 361, 421, 481 or 662~~

~~Weatherking packaged heat pump model PHP f/b 181, 241, 301, 361, 421, 481 or 662~~

~~Weatherking packaged air conditioner model PSC f/b 181, 241, 301, 361, 421, 481 or 662~~ (File 28179) **DELISTED**

~~Electric Strip Heater, model HISH f/b alpha/numeric characters, 3.75 to 30.0 kW, see below for individual model designation and air handler, air conditioner or heat pump compatibility~~

~~HISH f/b TWH or TWV, for use with American Standard / Trane air handler model TWH or TWV f/b 0 or 7 f/b 18, 24, 30, 36, 39, 42, 48, 60 or 64 f/b A, E or P~~

~~HISH f/b AMA or AMB f/b 001, 002, 003, 004, 005, 006, 007, 011, 012, 013, 015, 016 or 017, for use with Hoil Quaker, Air~~

~~Quest, Marathorm or Tempstar air handler model BA or BH f/b 3018, 3024, 3030 or 3036 f/b QKA or SKA; BCM f/b 024, 036 or~~

~~060 f/b XKA; Sears air handler model 867.803 f/b 100, 120 or 130~~

~~HISH AMA f/b 018, 019, 020, 021, 022, 023 or 024, for use with Hoil Quaker, Air Quest, Marathorm or Tempstar packaged air conditioner model NPAD f/b C or E f/b 24, 29, 34, 41 or 47 f/b~~

~~AB; NPABA f/b 49 or 50 f/b AB or AH; Sears packaged air conditioner model 867.8192 f/b 11, 21, 32, 41 or 51~~

~~HISH AMA f/b 018, 019, 020, 021, 022, 023 or 024, for use with Air Quest, Marathorm or Tempstar packaged heat pump model NPHCB f/b 25, 29, 36 or 42 f/b AK; NPHCB f/b 48 or 60; Hoil Quaker model PH f/b 5030, 5036 or 5042 f/b AKA; Sears packaged heat pump model 867.8144 f/b 54, 66, 74 or 85; or model 867.820983~~

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**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315** (continued)

~~HISH BA f/b 03, 04, 05, 06, 08, 10, 15 or 20 f/b J;  
HISH BB f/b 06, 08, 10 or 15 f/b C;  
HISH BC f/b 06, 08, 09, 10, 12, 15 or 20 f/b D;  
all for use with Rheem Ruud packaged air conditioner model RSND or USND f/b 018,  
024, 030, 036, 042, 048 or 060 f/b J, C or D; or Rheem Ruud packaged heat pump model  
RPND or UPND f/b 018, 024, 030, 036, 042, 048 or 058 f/b J, C or D~~

~~HISH HME f/b 005, 075, 010, 115, 015 or 020, for use with Intertherm packaged air  
conditioner model ASCB f/b 024, 030, 036, 042 or 048 f/b B; Miller packaged air  
conditioner model MASCB, MASCC or MSC f/b 024, 030, 036, 042 or 048; Intertherm  
packaged heat pump model PSYB f/b 024, 030, 036, 042 or 048 f/b B; or Miller  
packaged heat pump model MPSYB or MSPA f/b 024, 030, 036, 042 or 048~~

~~HISH 50DJ f/b 004, 005, 006 or 007, for use with Carrier packaged rooftop air  
conditioner model 50DJ f/b 004, 005, 006 or 007 f/b 3, 5 or 6~~

~~HISH 50QJ f/b 004, 005 or 006, for use with Carrier packaged rooftop heat pump model  
50QJ f/b 004, 005 or 006 f/b 3, 5 or 6~~

~~HISH 558B f/b 036, 048, 060 or 072, for use with BDP (Bryant Day and Night Payne)  
packaged rooftop air conditioner model 558B f/b 036, 048, 060 or 072~~

~~HISH 548B f/b 036, 048 or 060, for use with BDP (Bryant Day and Night Payne)  
packaged rooftop heat pump model 548B f/b 036, 048 or 060~~

~~HISH 2H f/b S, M or L f/b 0650 f/b 05, 08, 10, 13, 15, 20 or 25 f/b 06, 25 or 46 f/b N or B,  
for use with York air handler model N2AHD f/b 06, 10, 14, 16 or 20 f/b A06; or N2AHD f/b  
14, 16 or 20 f/b A46; Fraser Johnston or Luxaire air handler model NAMB FD f/b 06, 10,  
14, 16 or 20; or NAMB FW f/b 14, 16 or 20~~

~~HISH AHK f/b 1, 2, 3, 4 or 5, for use with Amana air handler (blower coil) model ABCH  
f/b 2400, 3000 or 3600 f/b MC~~

~~HISH f/b D, L, M or S f/b HMEC or HMED f/b 005, 007, 010, 012, 014, 018, 019 or 024  
f/b PPB or QPB, for use with Miller or~~

~~Intertherm air handler model PBMC or PBMD f/b 024, 030, 036, 042, 048 or 060 f/b K  
(File 28338) **DELISTED**~~

~~Over The Blower Heater, model HXOB, 5.0 to 30.0 kW, for use with forced air systems  
not less than 50 CFM per kW (File 28447) **DELISTED**~~

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**DELL CORPORATION** (manufacturer)  
**Ft. Lauderdale, FL 33315** (continued)

~~Over The Blower Heater, model HXOB, 30.1 to 500 kW, for use with forced air systems not less than 50 CFM per kW (File 28503) DELISTED~~

~~Over The Blower or Plenum Heater, model HXOB, 30.1 to 500.0 kW, for use with forced air systems not less than 50 CFM per kW (File 28814) DELISTED~~

~~Over The Blower or Plenum Heater, model HXOB, 1.0 to 30.0 kW, for use with forced air systems not less than 50 CFM per kW (File 28815) DELISTED~~

**ELECTRO INDUSTRIES, INC.** (manufacturer)  
**Monticello, MN 55362**

~~Resistive Electric Heater, model EM or EMD f/b 10, 15, 17.5, or 20; EMS f/b 10, 15 or 20 (File 25106) DELISTED~~

~~Resistive Electric Heater, model EM f/b FD, FH, FU, LD, LH or LU f/b 10, 15, 17, 20 or 25 f/b three numeric characters (File 25106A) DELISTED~~

~~Air Handler, model E or EMAH f/b 15, 17.5, 20 or 25 (File 25579) DELISTED~~

~~Duct Heater, model IH f/b 15, 20 or 30; IR, IL or IF f/b 7.5 or 10 (File 25852) DELISTED~~

~~Duct Heater, model EM f/b FD, FI, FU, FV, LD, LI, LU or LV f/b 7, 10, 12, 15, 17 or 20 f/b three alpha/numeric characters, for load management control use (File 27654) DELISTED~~

~~Air Handler Heater, model EM f/b LH or FH f/b 10, 15 or 20 f/b three alpha/numeric characters (File 28059) DELISTED~~

~~Duct or Plenum Heater, model EM-DI f/b 1025, 1535 or 2035 f/b C, H or L, for use with forced air systems not less than 50 CFM per kW (File 28485) DELISTED~~

~~Electric Insert Heater, model EM-LD f/b 1011, 1227 or 1527 f/b M, for use with oil or gas mobile home furnaces, Coleman model 7670, 7680, 7700, 7900, 8600, 8680, 8866 or 8880 series; Duo-Therm model 714058, 714065, 714072, 714080, 714100, 715080, 715100, 815080 or 815100 (File 28581) DELISTED~~

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**WARREN MANUFACTURING COMPANY**  
**Coral Gables, FL 33134**

~~Electric Strip Heater, maximum 20 kW, for use with Carrier model 50MQ or 50MH series, DNP model PAC3 series, Bryant model 559B series (File 22119) DELISTED~~

~~Electric Strip Heater, model IN, maximum 20 kW, for use with Intertorm air conditioner model SCH 2.0 through 4.0 ton (File 22855) DELISTED~~

~~Duct Heater, Model SP f/b 5, 7.5, 10 or 15, for use with Carrier model 40AQ f/b 018 through 036, Carrier model 40QB f/b 042 through 060, Bryant model 517E f/b 018 through 060 (File 26649) DELISTED~~

~~Duct Heater, model SP f/b 5, 7.5, 10 or 15, for use with Carrier model 40AQ f/b 018 through 036; Carrier model 40QB f/b 042 through 060; Bryant model 517E f/b 018 through 060 (File 26649) DELISTED~~

~~Electric Strip Heater, model WGE f/b 5 through 20 f/b kW, for use with GE model BWV or BWH f/b 7 or 0 f/b 18 through 42 f/b A or P (File 27013) DELISTED~~

~~Electric Strip Heater, model WT f/b 5 through 25 f/b kW, for use with Trane model BWV or BWH f/b 7 or 0 f/b 18 through 60 f/b A or P (File 27013) DELISTED~~

~~Electric Strip Heater, model WBY f/b 5 through 20 f/b kW, for use with Bryant model 559E f/b 024 through 060 or 559D060; Carrier model 50Y f/b H, Q or M (File 27013A) DELISTED~~

~~Electric Strip Heater, model WW or WWH f/b 5 through 20 f/b kW, for use with Whirlpool model NEBA f/b 18 through 57 f/b BK; NEBFO f/b 24 through 47 f/b AK; NEBHB f/b 18 through 34 f/b AK (File 27013B) DELISTED~~

~~Electric Strip Heater, model WRU or WRH f/b 5 through 20 f/b kW, for use with Rheem-Rudd model RSNA, RSMB, USNA or~~

~~USMB f/b 018 through 058, RPNA or UPNA f/b 018 through 060 (File 27013C) DELISTED~~

~~Electric Strip Heater, model SP f/b two alpha and five numeric characters, for use with forced air systems not less than 50 CFM per kW (File 27013D) DELISTED~~

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**WARREN MFG. CO., INC.** (manufacturer)  
**Hialeah, FL 33014-1347** (continued))

~~Electric Strip Heater, model WY f/b S, M or L f/b 2, 3, 5, 7.5, 10, 12.5, 20, 25 or 30 f/b kW f/b 1, 2, 3, 4 or 5, for use with York model N2AHD f/b 06 through 20 f/b A06 (File 27402) **DELISTED**~~

~~Electric Strip Heater, model WYS, WYM or WYL f/b 2 through 30 f/b two numeric characters, for use with York model N2AHD f/b 06 through 20 f/b A06 (File 27981) **DELISTED**~~

~~Electric Strip Heater, model SP f/b three alpha characters f/b 5 through 20 f/b two numeric characters, for use with forced air systems not less than 50 CFM per kW, see below for individual model designation and air handler compatibility~~

~~SPUEAB for use with Rudd air handler model UEAB f/b 018 through 060~~

~~SPW8R for use with Carrier air handler model 40RR f/b 008, 012, 014, 016, 024, 028, 034, 044 or 054~~

~~SPWAH for use with Carrier packaged air conditioner model 50AH f/b 024 through 060~~

~~SPWBA for use with Carrier air handler model 40BA f/b 007 or 009~~

~~SPWCD for use with Carrier packaged heat pump model 50 f/b CD, CH, CV, CZ, QD or QH f/b 004 through 008~~

~~SPWDF for use with Carrier packaged heat pump model 50 f/b DF, DD or EQ~~

~~SPWDP for use with Carrier packaged heat pump model 50DP f/b 012 through 020~~

~~SPWFS for use with Carrier air handler model 40FS f/b 160, 200 or 220~~

~~SPWGC for use with Rudd air handler model UHGC f/b 075, 100, 150 or 200~~

~~SPWHQ for use with Carrier packaged heat pump model 50HQ f/b 014 through 080~~

~~SPWQQ for use with Carrier packaged heat pump model 50QQ f/b 024 through 060; Carrier packaged air conditioner model 50EE f/b 024 through 060~~

~~SPWRC for use with Carrier air handler model 40RC f/b 018 through 030; Bryant air handler model 516A f/b 018 through 030~~

~~SPWRE for use with Carrier air handler model 40RE f/b 008 or 010~~

~~SPWRF for use with Rudd packaged heat pump model URCE~~

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**WARREN MFG. CO., INC.** (manufacturer)  
**Hialeah, FL 33014-1347** (continued)

~~SPWTB for use with Trane packaged heat pump model BTC or BTW f/b 048 through 060~~

~~SPWTH for use with Trane packaged heat pump model WCH or TCH f/b 024 through 042~~

~~SPWUD for use with Rheem/Rudd packaged heat pump model RSDA or USDA f/b 000 through 120~~

~~SPWVQ for use with Carrier packaged heat pump model 50VQ f/b 014 through 080~~

~~SPWWA for use with Whirlpool/Hoil packaged air conditioner model NPAD f/b 5, 10 or 15~~

~~SPWWP for use with Whirlpool/Hoil packaged heat pump model NPHC f/b 5, 10 or 15 (File 27982) MOVED TO STANDARD UL 1995~~

~~Electric Strip Heater, model WRH or WRU f/b 5 through 20 f/b two numeric characters, for use with Rheem-Rudd model RSNA,~~

~~USNA, RSMB or USMB f/b 018 through 058; RPNA or UPNA f/b 018 through 060 (File 27983) DELISTED~~

~~Electric Strip Heater, model WW f/b 3.75 through 20 f/b two numeric characters, may or may not be f/b B, for use with Whirlpool model NEBAA f/b 18 through 57 f/b BK; NEBC f/b A or B f/b 12 through 34 f/b BK; NEBFO f/b 24 through 47 f/b AK; NEBHB f/b 18 through 34 f/b AK (File 27984) DELISTED~~

~~Electric Strip Heater, model WBY f/b 3.75 through 20 f/b two numeric characters, for use with Bryant model 550E f/b 024 through 060; 550D060 (File 27985) DELISTED~~

~~Electric Strip Heater, model WYQ f/b 3.75 through 20 f/b two numeric characters, for use with Carrier model 50YQ f/b 124 through 142 (File 27985A) DELISTED~~

~~Electric Strip Heater, model WYY f/b 3.75 through 20 f/b two numeric characters, for use with Carrier model 50YM f/b 024 through 036 (File 27985B) DELISTED~~

~~Electric Strip Heater, model WCY f/b 3.75 through 20 f/b two numeric characters, for use with Carrier model 50YH f/b 024 through 060; 50YM f/b 042 through 048; 50YQ f/b 024 through 060; 50YQ148 (File 27985C) DELISTED~~

~~Electric Strip Heater, model WTS, WTE or WTL, may or may not be f/b B, f/b 3.75 through 25 f/b two numeric characters, for use with Trane model BWV or BWH f/b 7 or 0 f/b 18 through 60 f/b A or P (File 27986) DELISTED~~

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**WARREN MFG. CO., INC.** (manufacturer)  
**Hialeah, FL 33014-1347** (continued )

~~Electric Strip Heater, model WTS, WTE or WTL, may or may not be f/b B, f/b 3-75 through 25 f/b two numeric characters, for use with Trane model TWV, TWH or BEV f/b 018 through 764 f/b A or P (File 27986) DELISTED~~

~~Electric Strip Heater, model WAQ f/b 3 through 15 f/b two numeric characters, for use with Carrier model 40AQ f/b 018 through 036 (File 27987) DELISTED~~

~~Electric Strip Heater, model WQB f/b 3 through 15 f/b two numeric characters, for use with Carrier model 40QB f/b 042 through 060 (File 27987A) DELISTED~~

~~Electric Strip Heater, model WBE f/b 3 through 15 f/b two numeric characters, for use with Bryant model 517E f/b 018 through 036 (File 27987B) DELISTED~~

~~Electric Strip Heater, model WBL f/b 3 through 15 f/b two numeric characters, for use with Bryant model 517E f/b 042 through 060 (File 27987C) DELISTED~~

~~Electric Strip Heater model WHF (series) 4.8 to 10.2 kW For Use With Inter-City Products Packaged A/C and H/P, Models PAF, PHF/APFM and HPFM 5.0 through 20.0 kW (File 29959) MOVED TO STANDARD UL 1995~~

~~Electric Strip Heater Model WPH series 050, 070, 100, 150 or 200. (File 30477) MOVED TO STANDARD UL 1995~~

~~ELECTRIC STRIP HEATER: Model WLZ f/b 050, 060, 080, 090, 100, 125, 150, 200, 250 or 300; for use with Lennox Air Handler Models CB20M, CB30M, CB30U, CB31MV, CBX32M 18-60 and CBX32MV 24-60 (File 30664) NRTL MOVED TO STANDARD UL 1995~~

~~ELECTRIC STRIP HEATER MODEL: W4K(2.5 TO 24 KW) f/b 0252, 0252B, 0502, 0502B, 0752B, 1002, 1002B, 1502B, 1502S, 1802B, 1802S, 2002B, 2002S, 2502B, 2502S for use with York~~

~~AHP/AHY/AV/SV/MA/MV 18-60 series air handlers, heat pumps and split systems (File 30717) NRTL MOVED TO STANDARD UL 1995~~

~~ELECTRIC STRIP HEATER MODEL: W6HK(4.8 TO 10.2 KW) f/b 0502, 0502B, 0802, 0802B, 1002, 1002B, 1502B, or 2002B for use with Nordyne B5B (BM) (BV) (VM), Maytag PAH4VMX, PAH2 (BM) (VM) (VM-E), and Frigidaire B4VM-X, B5(BM)(VM)(VM-E) 24-60 Series Air handlers (File 30709) NRTL MOVED TO STANDARD UL 1995~~

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**WARREN TECHNOLOGY** (manufacturer)  
**Hialeah, Florida 33016** (continued)

~~ELECTRIC STRIP HEATER MODEL: WTE(4.8 TO 10.2 KW) f/b 0502, 0502B, 0502PD, 0802, 0802B, 0802PD, 1002, 1002B, 1002PD, 1004, 1502B, 1504 or 2002B for use with Trane 2 TEH3F 18-60 series air handlers, heat pumps and split systems (File 30711) NRTL MOVED TO STANDARD UL 1995~~

~~ELECTRIC STRIP HEATER MODEL: WAM(5 TO 20 KW) f/b 0502, 0502B, 0752B, 1002, 1002B, 1502B, 2002B for use with~~

~~ICP PAM3 Series Air Conditioners and PHM3 series heat pumps (024-054) (File 30730) NRTL MOVED TO STANDARD UL 1995~~

~~ELECTRIC STRIP HEATER MODEL: WHA(5 TO 20 KW) f/b 0502, 0502B, 0752B, 1002, 1002B, 1502B, 2002B for use with ICP PAF3 (25-54) series package Air conditioners and PHF3 series heat pumps (024-048) (File 30739) NRTL MOVED TO STANDARD UL 1995~~

~~ELECTRIC STRIP SINGLE PHASE HEATER:  
Models WRX (3.0 to 24.0 kW) f/b 0302, 0302B, 0502, 0502B, 0752, 0752B, 1002, 1002B, 1502B, 1502S, 1802B, 1802S, 2002B, 2002S, 2502B, 2502S, for use with RHEEM/RUUD UHLA, UHSA, UHLL, UHSL, RHKA, RHKL, RHLA, RHSA, RHLL, RHSL 18-60 and RHPL 24-48 Air Handlers. (File 30722) NRTL MOVED TO STANDARD UL 1995~~

~~ELECTRIC STRIP HEATER MODEL: WSJ (4.8 to 14.40 KW) f/b for use with York (24-60) PAC package Air Conditioners and JP (024-060) PHP package heat pumps (File 30757) NRTL MOVED TO STANDARD UL 1995~~

~~ELECTRIC STRIP HEATER MODEL: WHX (5 TO 20 KW) f/b 0502, 0502B, 0752, 0752B, 1002, 1002B, 1502B, 2002B for use with ICP PAX3 (24-60) Series Air Conditioners and PHX3 series heat pumps (024-060) (File 30743) NRTL MOVED TO STANDARD UL 1995~~

~~ELECTRIC STRIP HEATER MODEL: WZH (5.0-20.0 K.W.) for use with carrier 50ZPA/564B/PA3Z (24-60) Electric Cooling and 50ZHA/664B/PH3Z (024-060) Heat Pump Standard ANSI/UL 1995 (File 30782) NRTL MOVED TO STANDARD UL 1995~~

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**WARREN TECHNOLOGY** (manufacturer)  
**Hialeah, Florida 33016** (continued)

~~ELECTRIC STRIP HEATER, MODEL: WTC (3.0-20.0KW) for use with TRANE  
2/4TEH3F 18-60, TVF 018A-036A, TWE 031E-065E, TWE 018C-060C, TWE 060D, TWE  
018P-063P, TWG 018A-060A, RWE 037E-065E, TEC3F 018-060, 2TCB3F 018A-048A,  
2TEE3F 31A-65A, 4TEE3F 31A/B-65A/B series Air Handlers~~ (File 30837) NRTL  
MOVED TO STANDARD UL 1995

~~ELECTRIC STRIP HEATER, MODEL: WQJ Series. For use with Rheem RSNJ  
(13SEER) 24-60 Series Package Air Conditioners, Rheem RQNM (13SEER) and RQPM  
(14SEER) 24-60 Heat Pump Package Units~~ (File 30903) MOVED TO STANDARD  
UL 1995

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## ELECTRIC HEATING, WATER SUPPLY AND POWER BOILERS

The products listed here are electric heating, water supply and power boilers rated 600 volts or less and are intended for commercial, industrial or residential use or for space heating applications.

These products consist of sheathed resistance type heating elements and a vessel or tank constructed, inspected, and stamped in accordance with the applicable sections of the American Society of Engineers (ASME) Boiler and Pressure Vessel Code. Each boiler is provided with one or more safety valves conforming to ASME requirements with all necessary temperature or pressure regulating controls, including an integral limit control, wiring, and auxiliary equipment assembled as a unit.

The requirements for this category **do not** cover water supply boilers and hot water and steam generating equipment employing constructions which are outside the scope of, or not covered by, the ASME codes, nor commercial cooking or medical and dental equipment, nor other electric heating equipment or appliances which are covered in, or as part of, separate, individual requirements. Electrode-type boilers also are not covered by this category.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive type, style, model or catalog designation, date code, wiring diagram, the appropriate ASME code symbol, maximum working pressure, maximum water temperature, minimum spacing to combustible materials, electrical hazard warnings and other cautionary labels as applicable.

These products comply with ARL requirement which include pertinent sections of the Standard for Safety, **ANSI/UL 834, Electric Heating, Water Supply and Power Boilers**, and are intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70, and other applicable codes, such as the BOCA National Mechanical Code, the Standard Mechanical Code, and the Uniform Mechanical Code.

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional

component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

Only products which properly bear the ARL Listing Mark (Label) are considered Listed by ARL.

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**ELECTRO INDUSTRIES, INC.** (manufacturer)  
**Monticello, MN 55362**

Electric Boiler, model ~~E f/b 0, 13, 18, 23 or 27; EB 0; EB f/b E, L, R or W f/b 13, 18, 23 or 27~~ (File 25720) **DELISTED**

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## ELEVATOR DOOR LOCKING DEVICES AND CONTACTS

These products listed here are elevator appliances such as Hoistway Door Interlocks, Hoistway Door Combination Mechanical Lock and Electrical Contacts, or Hoistway Door and Car Door or Gate Electrical Contacts and are rated 600 volts or less.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive style, type, catalog or model designation, and the manufacturing date code. When applicable, products may also be marked with a wiring diagram, electrical hazard warnings, and electrical ratings expressed in voltage, current, and frequency.

These products comply with ARL requirements which include pertinent sections of the Standard for Safety, **ANSI/UL 104, Elevator Door Locking Devices and Contacts; and/or ANSI/ASME A17.5, Safety Code for Elevator and Escalator Electrical Equipment.** The products are intended for installation and operating in accordance with ANSI/ASME A17.1, Safety Code for Elevators, Dumbwaiters, Escalators, and Moving Walks.

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

Only products which properly bear the ARL Listing Mark (Label) are considered Listed by ARL.

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**ADVANCED TECHNOLOGY SYSTEMS, LLC.** (manufacturer)  
**Louisville, KY 40204**

Elevator Hoistway Door Interlock, model 6940V-240-5 (File 30568)

Door Operator, Model ATS 0009, ATS 0090 or ATS Field "EZ" (File 30589)

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## **ELEVATOR DOORS AND FRAMES - FIRE –**

The products listed here are elevator doors and elevator door frames of various materials and types of construction that are intended to retard the passage of fire through wall openings.

Listings for products entitled "Elevator Entrance Assembly" were established prior to the adoption of Rule 110.15 of the Safety Code Code for Elevators, Dumbwaiters, Escalators, and Moving Walks, ANSI/ASME A17.1a, 1985, and are carried here as a matter of historical record.

The term "Elevator Entrance Assembly" includes the door, frame or guide and necessary listed hardware. The mounting and operating parts are especially designed for the door and are not interchangeable.

The term "Elevator Door" pertains to the door and does not include the frame, hardware or other accessories with which it is installed unless otherwise specified. Authorities having jurisdiction should be consulted concerning the type, mounting, listed hardware, listed frame and listed closing mechanism acceptable for any given location.

These products are marked with the name or trademark of the (manufacturer) or vendor, fire rating and fire class. Additionally, the product may also be marked with a distinctive type, style, catalog or model designation.

These products comply with ARL requirements which include pertinent sections of **ASTM E152, Standard Test Methods for Fire Tests of Door Assemblies and ANSI/ASME A17.1, Safety Code Code for Elevators, Dumbwaiters, Escalators, and Moving Walks**. They are intended for installation in accordance with the Standard for Fire Doors and Windows, ANSI/NFPA 80.

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

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**ACE ELEVATOR CABS, INC.** (manufacturer)  
**Lauderdale Lakes, FL 33311**

Elevator Door, Single Slide, model 001 HDSS, 1 1/2 hour rating, class B, 16 gauge CRS front and rear skins, two to four 16 gauge vertical ribs, size 84.5" wide by 33.5" to 49.5" wide by 1 1/4" deep, for use with model 001 WKDJ elevator door frame (File 29813) NRTL

Elevator Door Frame, model 001 WKDJ, 1 1/2 hour rating, class B, 16 gauge stainless steel header, strike and side jamb members, 10 gauge "T" tie straps, header and support brackets, interlocked spring mounted door closer, size 84 3/4" high by 32" to 48" wide by 10 1/4" deep, for use with model 001 HDSS single slide elevator door (File 29813A) NRTL

**AMERICAN CRESCENT ELEVATOR MFG., INC.** (manufacturer)  
**Picayune, MS 39466**

Elevator Door, Center Parting, model CO-2000, 1 1/2 hour rating, class B, 16 gauge steel front and rear skins, two "Hi-Hat" ribs per panel vertically spot welded, hollow core, size 32" to 56" by 84 3/8" by 1 1/8", for use with model CO-2001 elevator door frame (File 28152) NRTL

Elevator Door Frame, model CO-2001, 1 1/2 hour rating, class B, 16 gauge stainless steel head and side jamb members, 10 gauge galvanized steel "T" tie straps, strut, column, header and strut extension, aluminum sill, size 30" to 54" by 84 3/8", for use with model CO-2000 center parting or 2S-3000 two-speed elevator door (File 28152A) NRTL

Elevator Door, Two-Speed, model 2S-3000, 1 1/2 hour rating, class B, 16 gauge steel front and rear skins, two "Hi-Hat" ribs per panel vertically spot welded, hollow core, size 32" to 56" by 84 3/8" by 1 1/8", for use with model CO-2001 elevator door frame (File 28152B) NRTL

Elevator Door, Single Slide, model SS-1000, 1 1/2 hour rating, class B, 16 gauge steel front and rear skins, four "Hi-Hat" ribs vertically spot welded, hollow core, size 32" to 56" by 84 3/8" by 1 1/8", for use with model SS-1001 elevator door frame (File 28153) NRTL

Elevator Door Frame, model SS-1001, 1 1/2 hour rating, class B, 16 gauge stainless steel head and side jamb members, 10 gauge galvanized steel "T" tie straps, strut, column, header and strut extension, aluminum sill size 30" to 54" by 84 3/8", for use with model SS-1000 single slide elevator door (File 28153A) NRTL

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**GUNDERLIN LTD.** (manufacturer)  
**Hialeah, FL 33013**

~~Elevator Entrance Assembly, 1 1/2 hour rating, class B, 16 gauge cold rolled steel skins, six vertical "Z" shaped ribs, hollow core, size 36" to 48" by 84 1/2" by 1 1/4" (File 20841) DELISTED 11/06/85~~

Elevator Door, Single Slide w/wo Two, Two-Speed Panels, model 1SPD or 2SPD, 1 1/2 hour rating, class B, 16 gauge cold rolled steel skins, six vertical "Z" shaped ribs, hollow core, size 36" to 48" by 84 1/2" by 1 1/4", for use with model EF1 elevator door frame (File 20841) NRTL

Elevator Door Frame, model EF1, 1 1/2 hour rating, class B, 14 gauge stainless steel head and side jamb members, 10 gauge cold rolled steel "T", sill assembly, strut, column, header and strut extension brackets, interlocked spring mounted door closing assembly, size 36" to 48" by 84 1/2", for use with model 1SPD, single slide or 2SPD, single slide, w/wo two, two-speed panels, elevator door (File 20841A) NRTL

~~Elevator Entrance Assembly, Center Parting, 1 1/2 hour rating, class B, 16 gauge cold rolled steel skin, four vertical "Z" shaped ribs, hollow core, size 37 1/2" to 48" by 84 1/2" by 1 1/4" (File 20877) DELISTED~~

Elevator Door, Center Parting, model CO, 1 1/2 hour rating, class B, 16 gauge cold rolled steel skins, four vertical "Z" shaped ribs, hollow core, size (each panel) 18" to 24" by 84 1/2" by 1 1/4", for use with model EF2 elevator door frame (File 20877) NRTL

Elevator Door Frame, model EF2, 1 1/2 hour rating, class B, 14 gauge stainless steel head and side jamb members, 10 gauge cold rolled steel "T", sill assembly, strut, column, header and strut extension brackets, double interlocked spring mounted door closing assembly, size 36" to 48" by 84 1/2", for use with model CO center parting elevator door (File 20877A) NRTL

**IDEC FABRICATORS, INC.** (manufacturer)  
**Hollywood, FL 33020**

Elevator Door and Frame, Model: (Single Slide) Fire Rated 1-1/2 Hour, Class B (File 29604)

Elevator Door and Frame, Model: (Center Parting) Fire Rated 1-1/2 Hour, Class B (File 30033)

Elevator Door and Frame, Model: (Two Speed) Fire Rated 1-1/2 Hour, Class B (File 30034)

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**MOWREY ELEVATOR CO., INC.** (manufacturer)  
**Davie, FL 33329**

~~Elevator Door, Single Slide, 1 1/2 hour rating, class B, 16 gauge steel front skin, 10 gauge steel rear skin, seven "Z" shaped ribs spot welded vertically, hollow core, size 43 1/2" by 84 1/2" by 1 1/4" (File 25588) DELISTED~~

**MOWREY ELEVATOR CO., INC.** (manufacturer)  
**Blountstown, FL 32424**

~~Elevator Door, Single Slide, model 500, 1 1/2 hour rating, class B, 16 gauge steel front skin, 10 gauge steel rear skin, seven "Z" shaped ribs spot welded vertically, hollow core, size 43 1/2" by 84 1/2" by 1 1/4", for use with model 400 elevator door frame (File 25588) DELISTED~~

~~Elevator Door Frame, model 400, 1 1/2 hour rating, class B, 16 gauge head and side jamb members, 10 gauge cold rolled steel "T" tie straps, sill, strut, column, header and strut extension brackets, size 33 1/2" to 49 1/2" by 84 1/2", for use with model 500 single slide elevator door (File 25588A) DELISTED~~

~~Elevator Door, Center Parting, model 5-5010, 1 1/2 hour rating, class B, 16 gauge cold rolled steel front skin with 14 gauge rear skin, hollow core, stainless steel, plastic laminate or painted finish, size (each panel) 16" to 24" by 84 1/2" by 1 1/8", for use with model 4-4011 elevator door frame (File 27888) DELISTED~~

~~Elevator Door Frame, model 4-4011, 1 1/2 hour rating, class B, 16 gauge stainless steel entrance way, 10 gauge cold rolled steel header and mounting brackets, 3" by 3" by 1/4" cold rolled steel angle strut, C.A.L. hardware, 32" to 48" by 84 1/2", for use with model 5-5010, single slide or 5-5020, two speed, side sliding, elevator doors (File 27888A) DELISTED~~

~~Elevator Door, Side Sliding with Two-Speed Doors, model 5-5020, 1 1/2 hour rating, class B, 16 gauge cold rolled steel front skin with 14 gauge rear skin, hollow core, stainless steel, plastic laminate or painted finish, size 32" to 48" by 84 1/2" by 1 1/8", for use with model 4-4011 elevator door frame (File 27888B) DELISTED~~

~~Elevator Door, model 416, 1 1/2 hour rating, class B, 16 gauge CRS front and rear skins, eight to eleven 14 gauge vertical "U" shaped supports, two 14 gauge cross ribs, hollow core, size 84.5" high by 33.5" to 49.5" wide by 1 1/4" deep, for use with model 400 elevator door frame (File 28640) DELISTED~~

~~Elevator Door Frame, model 400, 1 1/2 hour rating, class B, 16 gauge stainless steel head and side jamb members, 10 gauge CRS header, struts, strut clips and sill support brackets, entrance opening size 84 3/4" high by 32" to 48" wide, for use with model 416 single slide elevator door (File 28640A) DELISTED~~

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**MOWREY ELEVATOR CO., INC.** (manufacturer)  
**Marianna, FL 32446**

Elevator Door, Center Parting, model 5-5010, 1 1/2 hour rating, class B, 16 gauge cold rolled steel front skin with 14 gauge rear skin, hollow core, stainless steel, plastic laminate or painted finish, size (each panel) 16" to 24" by 84 1/2" by 1 1/8", for use with model 4-4011 elevator door frame (File 29941) **NRTL**

Elevator Door, Side Sliding with Two-Speed Doors, model 5-5020, 1 1/2 hour rating, class B, 16 gauge cold rolled steel front skin with 14 gauge rear skin, hollow core, stainless steel, plastic laminate or painted finish, size 32" to 48" by 84 1/2" by 1 1/8", for use with model 4-4011 elevator door frame (File 29941A) **NRTL**

~~Elevator Door Frame, model 4-4011, 1 1/2 hour rating, class B, 16 gauge stainless steel entrance way, 10 gauge cold rolled steel header and mounting brackets, 3" by 3" by 1/4" cold rolled steel angle strut, G.A.L. hardware, 32" to 48" by 84 1/2", for use with model 5-5010, single slide or 5-5020, two speed, side sliding, elevator doors (File 29941B) **NRTL DELISTED** 06/13/07~~

~~Elevator Door, model 416, 1 1/2 hour rating, class B, 16 gauge CRS front and rear skins, eight to eleven 14 gauge vertical "U" shaped supports, two 14 gauge cross ribs, hollow core, size 84.5" high by 33.5" to 49.5" wide by 1 1/4" deep, for use with model 400 elevator door frame (File 29942) **NRTL DELISTED** 06/13/07~~

~~Elevator Door Frame, model 400, 1 1/2 hour rating, class B, 16 gauge stainless steel head and side jamb members, 10 gauge CRS header, struts, strut clips and sill support brackets, entrance opening size 84 3/4" high by 32" to 48" wide, for use with model 416 single slide elevator door (File 29942A) **NRTL 06/13/07 DELISTED**~~

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## ENCLOSURES FOR ELECTRICAL EQUIPMENT

The products listed here are electrical equipment enclosures for use in accordance with the National Electrical Code, NFPA 70. Specific applications covered by this category include cabinets and cutout boxes and junction and pull boxes. Specific applications not covered by this category of products are junction boxes of the swimming pool type.

Each type of enclosure covered by this category is described in general and functional terms where practicable, and omits reference to structural details and specific applications except where they are essential to the identification of the enclosure type. Such additional details and specifications are included in the applicable standards for the end-product involved.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive style, type, catalog or model designation, date code, type of enclosure indicating the external conditions for which it is acceptable, and cautionary and hazard warnings as suitable for the particular enclosure type or intended application.

These products comply with ARL requirements which include pertinent sections of the Standard for Safety, **ANSI/UL 50, Enclosures for Electrical Equipment**.

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

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**B-K LIGHTING, INC.** (manufacturer)  
**Madera, CA 93938**

Enclosure for Electrical Equipment, ~~(Type NEMA 3R Enclosure) Model RM BOX~~ (File 30733) **DELISTED** 01.01.10

Family of Universal Power Modules, ~~Models P1, P2, P3 and P4~~ (File 30807)  
**DELISTED** 01.01.10

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## ENERGY MANAGEMENT EQUIPMENT AND ACCESSORIES

The products listed here include energy management equipment and associated sensing devices rated 600 volts or less and intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70.

This equipment energizes or de-energizes electrical loads to achieve a desired use of electrical power and may incorporate devices for watt-hour meter switching in load management applications. The equipment is intended to control electrical loads by responding to sensors or transducers monitoring power consumption, by sequencing, by cycling the loads through the use of preprogrammed data logic circuits or any combination thereof. Devices responding to signals from a utility company may receive the signals over the power lines or as radio signals.

Requirements for this category of products also cover equipment intended for connection only to a low voltage circuit of limited power supplied by a Class 2 transformer.

Some products may incorporate service equipment devices with or without service or main switches or circuit breakers that are solely or particularly intended for use at services, either alone or in conjunction with meters, and usually embody features not required when the devices are use elsewhere than services.

Products which employ meter sockets for use with watt-hour meters and similar meters are marked with a continuous duty ampere rating and may in addition have a maximum use (intermittent) ampere rating of 125 percent or less of the continuous duty ampere rating. A meter socket, as covered by the requirements for this category, is an assembly of wiring terminals and jaw type contacts for one or more plug-in watt-hour meters in an enclosure having provisions for securing the meter to the socket. The requirements cover meter sockets rated (1) 300 volts alternating current or less, or 600 volts alternating current, and (2) 400 amperes maximum per meter position.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive style, type, catalog or model designation, date code, wiring diagram, electrical ratings for each circuit, electrical hazard warnings, other cautionary warnings, and if employed with remote control equipment, "For Use With" markings as applicable.

These products comply with ARL requirements which include pertinent sections of the Standards for Safety, **ANSI/UL 916, Energy Management Equipment and/or, ANSI/UL 869A, Reference Standard for Service Equipment and/or ANSI/UL 414, Meter Sockets.**

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features,

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### **ENERGY MANAGEMENT EQUIPMENT AND ACCESSORIES** (continued)

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**ELECTRO INDUSTRIES, INC.** (manufacturer)  
**Monticello, MN 55362**

Electric Contactor, ~~model Peak Interrupter PI- f/b seven alpha/numeric characters~~ (File 26400) **DELISTED**

Energy Management Equipment, tradename Peak Interrupter, model PI- f/b seven alpha/numeric characters (File 29133)

High Current Switch Assembly, ~~model PIS f/b 104 or 204, for use with Listed Energy Management Equipment, model PI- f/b seven alpha/numeric characters~~ (File 27672) **DELISTED**

Service Entrance Equipment, ~~model Service Interrupter SI- f/b seven alpha/numeric characters~~ (File 28238) **DELISTED**

Service Entrance Equipment, model Service Interrupter SI- f/b seven alpha/numeric characters (File 29950)

Energy Management Equipment, model E- f/b alpha/numeric characters, w/wo meter sockets, for installation and/or access by utility company authorization only (File 29132)

Energy Monitor and/or Controller, model ET- f/b alpha/numeric characters (File 30304)

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