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## PANELBOARDS

The products listed here are panelboards for the control and protection of electric lighting and appliance branch circuits and power circuits, including feeder distribution panelboards. The listings also cover units specifically designed for panelboard assembly.

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

These products comply with ARL requirements which include pertinent sections of the Standard for Safety, **ANSI/UL 67, Panelboards**. They are intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70.

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-MECHANICAL INDUSTRIES, INC.**  
**Minneapolis, MN 55416**

Panelboard, Enclosed, Indoor Type, ~~model SMS f/b 2, 3 or 4 f/b 6TH, 6BJ, 6T4J, 6B4J, 8J, 8TJ, 8T4J, 12TJ, 12BJ, 12T4J or 12B4J f/b AB, BC or AC, 4J models only~~ (File 23299) **DELISTED**

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## POWER OUTLETS AND POWER MODULES

The products listed here are power outlets, with or without integral mounting posts or pedestals, and power outlet fittings for use in accordance with the National Electrical Code, NFPA 70.

A power outlet, although not restricted to such use, is intended for use at outdoor locations such as on farms, at building sites, and the like, where power is required to operate portable, mobile, or temporarily installed equipment; to supply power to a mobile home or a recreational vehicle; and to supply shore power to boats. A power outlet may contain attachment plug receptacles, circuit breakers, fuseholders, fused switches and facilities for watt-hour meters, and provisions for field installed circuit breakers or switches and fuses.

Power outlet fittings are designed for factory or field assembly into or in conjunction with power outlets designed for such assembly. Fittings may be panels or combination units incorporating receptacles, disconnecting means, overcurrent protection or other devices that are determined to be acceptable. A separable mounting post or pedestal to which power outlets are to be mounted is also a fitting.

In addition to or instead of mounting to a post or pedestal fitting, a power outlet may be designed to be mounted on and connected to a mounting post or pedestal also designed to be used with other types of distribution equipment.

Some power outlets may have special features and markings to indicate their acceptability for use as service equipment.

A power outlet with a mounting post is intended for mounting in concrete. A power outlet with a mounting pedestal is intended for mounting on a concrete slab. Unless marked otherwise, a mounting post or pedestal fitting is not intended to serve as the sole support of a mast for overhead wiring.

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, and other hazard warnings and markings as applicable. A power outlet enclosure is marked as a Type 3 followed by an alpha character indicating the external conditions for which it is acceptable.

These products comply with ARL requirements which include pertinent sections of the Standard for Safety, **ANSI/UL 231, Power Outlets**, and are intended to be employed or installed in accordance with the National Electrical Code, ANSI/NFPA 70.

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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**DOCKSIDE POWER, INC.** (manufacturer)  
**Hollywood, FL 33020**

Power Outlet Assembly, model: 100, 100L, 200, 200L, 400-1P or 400-3P (File 29771)  
NRTL

**MARINA POWER CO., INC.** (manufacturer)  
**Miami, FL 33166**

~~Power Outlet Assembly, model PC I or PC II f/b alpha/numeric characters, 150 ampere maximum per side (File 28000) DELISTED~~

~~Power Outlet Assembly, model PC16 I or PC16 II f/b alpha/numeric characters, 200 ampere maximum per side (File 28206) DELISTED~~

~~Power Outlet Assembly, model PCM 12 f/b alpha/numeric characters, 150 ampere maximum total (File 28878) DELISTED~~

Power Outlet Assembly, model PCM 812, PCMM 885, PCMFS 812, PCMMFS 885, PCMFS 1212, PCMFS 1216, PCII 812, PCII 12, PCII 16 or PCII 1216 f/b alpha/numeric characters (File 29571) NRTL

Power Module, model PM f/b 1, 2, 3, 4, 5, 6, 22, 32, 50, 75, 100, 112, 150, 167, 200, 222, 225, 250, 300 or 321 (File 30149)

**INTERNATIONAL DOCK PRODUCTS, INC.** (manufacturer)  
**Pembroke Park, FL**

Power Outlet Assembly, model SPB or SPC f/b 18, 21, 36, 41, 45 or 48 f/b alpha/numeric characters (200 ampere maximum per side) (File 29460)

Power Outlet Assembly, model LPB or LPC f/b 18, 21, 36, 41 or 45 f/b alpha/numeric characters (200 ampere maximum per side) (File 29654)

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## **SAFETY COVERS FOR SWIMMING POOLS, SPAS AND HOT TUBS**

The products listed here are safety covers for swimming pools, spas, hot tubs, and wading pools. When correctly installed, and used in accordance with the (manufacturer)'s instructions, these products are intended to reduce the risk of drowning by inhibiting access to the water.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive type, style, catalog, model designation, or tradename and date code.

These products comply with ARL requirements which include pertinent sections of **ANSI/ASME A112.19.17 Manufactured Safety Vacuum Release Systems for Residential and Commercial Swimming Pool, Spas, Hot Tub and Wading Pool Suction Systems.**

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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**ALL-SAFE POOL SAFETY BARRIERS** (manufacturer)  
**D.B.A. Sunwest Industries, Inc.**  
**Orange, CA 92868**

Net Pool Cover, trade-named "All-Safe", model NPC-3.5 f/b 1x1 to 100x200 (File 30603)

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## **SAFETY VACUUM RELEASE SYSTEMS (SVRS) FOR RESIDENTIAL AND COMMERCIAL SWIMMING POOL, SPA, HOT TUB, AND WADING POOL SUCTION SYSTEMS**

The products listed here are safety vacuum release systems (SVRS) intended to be utilized on pool, spa, hot tub, and/or therapy unit suction systems. SVRS devices covered by requirements for this category are designed to prevent high vacuum occurrences that cause human body or body part suction entrapment.

Demonstration of compliance with these requirements is an indication that the product meets the performance requirements and specifications contained in this product category. The responsibility for verification of the device's performance on any circulation systems shall be the responsibility of the design professional.

A safety vacuum release system is defined as a system or device capable of providing vacuum release at a suction outlet caused by a high vacuum occurrence due to a suction outlet flow blockage, by either venting the circulation system to atmosphere, turning off the circulating pump, or reversing circulation flow. The device or system provides vacuum release with or without suction fitting cover(s) in place.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive type, style, catalog, model designation, or tradename and date code.

These products comply with ARL requirements which include pertinent sections of the **ASTM F-1346, Standard Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs.**

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**VAC- ALERT INDUSTRIES, LLC**  
**Vero Beach, FL 32962**

**LONE STAR MFG. LLC** (manufacturer for Vac-Alert)  
Brenham, TX 77833

**TREASURE COAST INDUSTRIES, LLC** (manufacturer for Vac-Alert)  
Vero Beach, FL 32962

Pool and Spa Drain Vacuum Breaker, model VA-2000 (File 30509, 30509A)

**STINGL PRODUCTS LLC**  
**Sterling, VA 20164**

**CIRCUIT Mfg.** (manufacturer for Stingl Products)  
Wilsonville, OR 97070

Safety Vacuum Relief System, model SR-500 (File 30645)

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## SPECIALTY TRANSFORMERS

The products listed here are air-cooled transformers and reactors for general use; ignition transformers for use with gas burners and oil burners; and gas tube sign transformers for use with inert gas tubes. Transformers incorporating over current or over temperature protective devices, transient voltage surge protectors, or power factor correction capacitors are also covered by the requirements for this category of products.

These requirements for this category **do not** cover liquid immersed transformers, variable voltage autotransformers, transformers having a nominal primary rating of more than 600 volts, transformers having over voltage taps rated over 660 volts, cord and plug connected transformers (other than gas tube sign transformers), garden light transformers, voltage regulators, swimming pool and spa transformers, or other special types of transformers covered in requirements for other electrical devices or appliances. In addition, not covered are:

- a) Autotransformers used in industrial control equipment;
- b) Class 2 or Class 3 transformers;
- c) Toy transformers;
- d) Transformers for use with radio and television type appliances;
- e) Transformers for use with high intensity discharge lamps;
- f) Transformers for use with fluorescent lamps;
- g) Ventilated transformers for general use or non-ventilated transformers for general use (other than compound filled or exposed core types);
- h) Dry type distribution transformers rated over 600 volts;
- i) Transformers incorporating rectifying or wave shaping circuitry; and
- j) Transformers of the direct plug-in type;

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive style, type, catalog or model designation, electrical ratings, percent impedance, environmental type, temperature class, wiring diagram, electrical hazard and cautionary warnings, installation warnings, date code, and other markings as required for specific transformer types and applications.

These products comply with ARL requirements which include pertinent sections of the Standard for Safety, **ANSI/UL 506, Specialty Transformers**, and are intended to be employed in accordance with the National Electrical Code, ANSI/NFPA 70.

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

Single Point Power Transformer, model SPPT f/b 6858 or 8331 (File 29760) **NRTL**

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## **SWIMMING POOL PUMPS, FILTERS, CHLORINATORS, AND RELATED MATERIALS AND COMPONENTS**

The products listed here are motor operated water pumps of the non-submersible type, pump filter combinations, chlorinators, and related components and materials for use with swimming pools, hot tubs and spas in accordance with the National Electrical Code, NFPA 70.

Swimming pool pumps, pump-filter combinations, and chlorinators covered by requirements for this category may be permanently connected or cord and plug connected to the electrical supply. Permanently connected units may be covered for indoor use only or for indoor and outdoor use. Cord and plug connected units are judged under requirements for outdoor use, but may also be used indoors. Swimming pool pumps intended for use with storable pools are provided with a minimum 25 foot (7.6 meter) non-detachable power supply cord, are double insulated, have no accessible grounded metal, and have inaccessible dead metal connected to the grounding conductor of the cord. Pumps intended for permanent use may be permanently wired or provided with a maximum 3 foot (0.91 meter) non-detachable power supply cord and, in addition, are provided with an accessible wire connector for bonding to all metal parts of the pool, hot tub, or spa structure and to all electrical equipment conduit and piping within 5 feet (1.5 meter) of the inside wall of the pool, hot tub, or spa. Hot tub and spa pumps covered by these requirements are not intended for use within an outer enclosure or beneath the skirt of a hot tub or spa, unless so marked.

Chlorinators covered by requirements for this category of products may consist of assemblies such as (1) a chlorinator and clock operated valve for use with a water circulating system, (2) a pump with chlorine injection or (3) electrolytic type chlorinating equipment.

The requirements for this category of products **do not** cover (1) pumping equipment for fire service or other products that are covered by individual requirements elsewhere, (2) a pump rated at more than 600 volts, (3) a pump rated at more than 5 horsepower (unless NSF 50 investigated), (4) a pump involving a universal motor rated at more than 250 volts, or (5) a sump pump, fountain pump, aquarium pump, or other products for which individual requirements exist.

Each product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive style, type, catalog or model designation, electrical ratings, wiring diagram, electrical hazard and cautionary warnings, installation warnings, date code, normal running speed and, if applicable, marked "Suitable For Outdoor Use." These products comply with ARL requirements which include pertinent sections of one or more of the following standards: (1) **Standard for Safety, ANSI/UL 1081, Swimming Pool Pumps, Filters and Chlorinators;** (2) **NSF 50, Circulation System Components and Related Materials for Swimming Pools, Spas, and Hot Tubs;** (3) **ANSI A112.21.1M, Floor Drains;** (4) **IAPMO PS 4-90, Material and Property Standard for Drains for Prefabricated and Precast Showers;** and (5) **IAPMO SPS 3-93, Material and Property Standard for Skimmers for Spas, Hot Tubs and Swimming Pools.**

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### **SWIMMING POOL PUMPS, FILTERS, CHLORINATORS, AND RELATED MATERIALS AND COMPONENTS (continued)**

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**AMERICAN SWIMMING POOL SYSTEMS, LLC**  
**Subsidiary of Heliocol USA, Inc.**  
**Altamonte Springs, FL 32701**

Chlorine Generator, ~~model PSC~~ (File 30412) **DELISTED** 04/03/09

Chlorinator Controller, ~~model PSC 2 tradename Rolbit, PSC 3 tradename Vita or PSC 4 tradename Amdar f/b SCC 12, SCC 15, SCC 25 or SCC 40~~ (File 30412) NRTL  
**DELISTED** 04/03/09

**COM-PAC FILTRATION, INC.**  
**Jacksonville, FL 32203-0071**

Pool and Spa Pump and Filter System, ~~model F f/b 7, 14, 14C, 16, 20, 23, 27, 35, 42, 53, 60, 68 or 84~~ (File 28657) NRTL **DELISTED** 12/6/06

Pool and Spa Pump and Filter System, ~~model PH f/b 18, 36, 42, 43, 50 or 52; SPH f/b 1500, 2100, 2250 or 3000; VC f/b 18, 36, 42, 48, 52, 57, 62-68 or 108~~ (File 28686) NRTL  
**DELISTED** 11/25/96

**KID SAFE POOL NETS, INC.**  
**Ft. Lauderdale, FL 33312**

Pool Safety Net, ~~trade name model Kid Safe~~ (File 30137) **DELISTED** 05/15/09

Pool Safety Net, ~~trade name model Kid Safe~~ (File 30511) **DELISTED** 05/15/09

**SOPHISTICATED SYSTEMS, INC.**  
**Palm Harbor, FL 34683**

Swimming Pool Chlorinator, ~~model Chlorotron 2000, Pool Perfector or Porpoise~~ (File 27900) **DELISTED**

Chlorine Generator, ~~model Chlorotron 2000, Pool Perfector, Porpoise, Uniclor or Antho-Chlor~~ (File 27900) **DELISTED**

Chlorine Generating System, ~~power supply model Antho-Chlor, Antho-Pure, Pool Perfector, Porpoise or Uniclor, for use with generating coil model 600, 1200 or 2400 only~~ (File 28896) **DELISTED**

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**SOPHISTICATED SYSTEMS, INC.**  
**Oldsmar, FL 34677**

Chlorine Generating System, ~~power supply model Antho-Chlor, Antho-Pure, Pool Perfector, Porpoise or Uniclor, for use with generating cell model 600, 1200 or 2400 only~~  
(File 28896) **DELISTED**

**SOPHISTICATED SYSTEMS, INC.** (manufacturer)  
**Clearwater, FL 33760**

Chlorine Generating System, power supply model Antho-Chlor, Antho-Pure, Pool Perfector, Porpoise or Uniclor, for use with generating cell model 600, 1200 or 2400 only  
(File 28896) **NRTL**

**VAC-ALERT INDUSTRIES, INC.**  
**Vero Beach, FL 32962**

**LONE STAR Mfg. LLC** (manufacturer for Vac-Alert Industries)  
**Brenham, TX 77833**

Residential Pool and Spa Drain Vacuum Breaker, ~~model VA-700 f/b P or S~~ (File 29835) **DELISTED**

Commercial Pool and Spa Drain Vacuum Breaker, ~~model VA-700-C~~ (File 29835A) **DELISTED**

Commercial Pool and Spa Drain Vacuum Breaker, ~~model VA-900-C~~ (File 30045) **DELISTED**

~~Pool and Spa Drain Vacuum Breaker, model VA-2000~~ (File 30203) **DELISTED**

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**VAK PAK, INC.** (manufacturer)  
**Jacksonville, FL 32206**

Swimming Pool and Spa Pump and Filter System, model AP, APS, CP, CPS, CS, CSS, SP or SPD f/b alpha/numeric characters, w/wo chlorinator and/or pH controller (See individual model designations below)

model AP f/b 6, 8, 10, 13, 13-1, 14, 16, 16-1, 18, 18-1, 19-1, 20, 20-1, 22, 22-1, 26, 28, 30, 32, 36, 38, 40, 44, 52, 56, 60, 68 or 80, 90, 98, 100, 112

model APS f/b 6, 8, 10, 13, 13-1, 14, 16, 16-1, 18, 18-1, 19-1, 20, 20-1, 22, 22-1 or 26 f/b /50, /70, /84, /100, /126, /140, /144, /192, /200, /225, /252 or /288

model CP f/b 15, 20, 25, 30, 37VC, 40, 47VDE, 52VC, 54, 63VDE, 67VC, 75VC, 75VDE, 97VDE, 100VC or 100VDE

model CPS f/b 15, 20, 25, 30, 40 or 54 f/b /50, /70, /84, /100, /126, /140, /144, /192, /200, /225, /252 or /288

model CS f/b 52PCH, 52PCV, 67PCH, 67PCV, 100PCH, 135, 189, 243, 270, 360, 403, 424, 482, 486, 540, 540 Dual, 680 or 680 Dual

model CSS f/b 135, 243 or 360 f/b /50, /70, /84, /100, /126, /140, /144, /192, /200, /225, /252 or /288

model SP f/b 50, 70, 884, 100, 126, 140, 144, 192, 200, 225, 252, 288 or 378

model SPD f/b 50, 70, 884, 100, 126, 140, 144, 192, 200, 225, 252, 288 or 378 f/b /50, /70, /84, /100, /126, /140, /144, /192, /200, /225, /252 or /288

model VS f/b 100 or 200 (File 27831) NRTL

Swimming Pool Pump, ~~model IG f/b 500, 750 or 1000 f/b alpha/numeric characters~~ (File 27773) **DELISTED**

Swimming Pool Pump, ~~[model IG3 f/b 3, 5 or 75 f/b X8-250-3]~~ (File 28057) **DELISTED**

Pressure Cartridge Filter, model DP f/b 50, 70, 100 or 150 (File 28323) NRTL

Swimming Pool Pump, model IG-5 x f/b 7.03 to 7.125 f/b -1 or -3; IG-75 x f/b 7.0 to 7.875 f/b -1 or -3; IG-10 x f/b 7.0 to 7.889 f/b -1 or -3; IG3-3 x f/b 7.0 to 7.3125 f/b -1 or -3; IG3-5 x f/b 7.0 to 8.375 f/b -1 or -3; IG3-75 x f/b 7.0 to 9.0 f/b -1 or -3 (File 28647) NRTL

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## TANKLESS HOT WATER HEATERS

The products listed here are tankless (instantaneous) type electric hot water heaters intended to supply heated potable water in residential and commercial locations. The products are rated 600 volts or less and are intended to be employed in ordinary locations in accordance with the National Electrical Code.

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 specifications and wiring diagram, the appropriate ASME code symbol (if required), 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 requirements which include pertinent sections of the Standards for Safety, **ANSI/UL 499, Electric Heating Appliances; and temperature-regulating and temperature-limiting control sections of ANSI/UL 174, Household Electric Storage Tank Water Heaters.** The products are intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70.

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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**NIAGARA INDUSTRIES, INC.** (manufacturer)  
**Miami, FL 33142**

Tankless Hot Water Heater, model N- f/b 10, 42, 64, 75, 85, 100, 120, 180 or 210 (File 29580) NRTL

**TANKLESS WATER HEATERS, INC.**  
(Private brand distributor for Niagara Industries, Inc.)

Tank-less Hot Water Heater, Model C f/b 10, 42, 64, 75, 85, 100 or 120 (File 29580A)

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## TEMPERATURE INDICATING AND REGULATING EQUIPMENT

The products listed here are electrical devices for control of air conditioning, heating, cooking, refrigeration, and humidity equipment, rated 600 volts or less, and are intended for use in ordinary locations in accordance with the National Electrical Code.

The product listings include general use equipment for field installation and controls intended to be factory installed on or in certain appliances as safety, limiting, or operating controls. The controls respond directly or indirectly to changes in temperature, humidity, or pressure to effect control of equipment or appliance operation. Devices covered by this category of products include:

Refrigeration Controllers - Humidistats for factory installation on or in refrigeration equipment; pressure, temperature, pneumatic pressure, motor, timer, bimetallic-heater, magnetically operated controls, and the like, and combinations thereof in control panels with or without transformers.

Industrial Operating Controls - Temperature controllers for industrial, farm, and boiler room applications; snow melting controls; return duct humidistats; humidity controllers; pneumatic pressure regulators; transformer (low-voltage secondary) relays; pneumatic pressure, bimetallic-heater, motor, timer, and magnetically operated sequence switches; stoker controls; indicating and recording controls; and motor operators for actuating air dampers. The requirements **do not** cover output connected apparatus such as dampers, linkages, or valves.

Residential Operating Controls - Room thermostats, room humidistats, and other operating controls for residential heating and cooling appliances.

Controls For Factory Installation On Or In Appliances - (1) Controls as mentioned previously, but specifically intended for use on, in, or as a part of the end use equipment; (2) water heater controls intended to regulate or limit water temperature and; (3) other controls including door interlock thermostats for self-cleaning ovens; baseboard heater temperature limiting controls; humidifier controls; fan thermostats; and temperature regulating and limiting thermostats for electric heating equipment such as clothes dryers, air heaters, household and commercial cooking appliances, beauty parlor equipment, steam and dry bath heaters, and ranges (controlling oven or surface elements).

Certain safety controls, and safety control circuits on operating controls have been judged under the requirements of the standard, insofar as they apply, and also under the applicable requirements for limit controls.

The following devices are among those considered to be refrigeration controllers:

1. A control that either directly or indirectly controls the starting and stopping of a compressor motor of refrigeration or air conditioning equipment because of variations in temperature, pressure, refrigerant level, or the like.
2. A pressure limiting device and a defrost temperature limiting device for refrigeration or conditioning equipment.

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### TEMPERATURE INDICATING AND REGULATING EQUIPMENT (continued)

3. An auxiliary device, such a defrost timing control, a defrost temperature regulating control, a start winding relay for a compressor motor, a control or defrost or heat pump change over, fan or pump motor, vane or load capacity regulator, or a similar device that primarily serves refrigeration or air conditioning equipment.
4. A control panel that, incorporates one or more of the functions described in items 1 through 3 for programming refrigeration or air conditioning equipment.

A wall mounted room thermostat not intended for mounting in or on refrigeration or air conditioning equipment has been judged as a thermostat and not as a refrigeration controller.

Industrial temperature indicating and regulating controls include controls that are intended, among other applications, for installation in or on industrial apparatus, or for boiler or furnace room, farm, outdoor, and comparable locations that may not always be clean and dry.

A residential control is one intended for indoor comfort control use in clean, dry, nonindustrial environments, such as dwellings, offices, and stores.

A humidistat has been judged in the same manner as a thermostat.

Requirements for controls intended to be factory installed on or in appliances may include requirements appropriate for the end use appliance.

The requirements for this category of products **do not** cover primary safety or limit controls for gas, oil, or electric fired central heating furnaces or boilers; duct heaters; oil or gas burners; or stokers; nor do they cover controls for oil pumps and oil level regulators; boiler feed or low water cutoffs; or furnace fan or boiler circulators.

In addition, requirements for this category of products **do not** cover low voltage thermostats, damper controls or similar devices intended for connection only to a low voltage circuit of limited power supplied by a primary battery or by a Class 2 transformer. An assembly consisting of a line voltage transformer with a low voltage secondary incorporated as an integral part of a control

such as a thermostat or a damper control is considered to be within the scope of these requirements.

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

These products comply with ARL requirements which include pertinent sections of the Standard for Safety, **ANSI/UL 873, Temperature Indicating and Temperature Regulating 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,

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### **TEMPERATURE INDICATING AND REGULATING EQUIPMENT** (continued)

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**

Thermostats, Models: ES f/b 24, 120 or 240 f/b BR (File 30815) **NRTL**

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## TRANSFER SWITCH EQUIPMENT

The products listed here cover automatic, non-automatic, and by-pass/isolation transfer switches intended for use in ordinary locations to provide for lighting and power for Automatic transfer switches and by-pass/isolation switches for use in emergency systems in accordance with the following:

- a) Articles 517-Health Care Facilities, 700-Emergency Systems, 701-Legally Required Standby Systems, and 702-Optional Standby Systems of the National Electrical Code, ANSI/NFPA 70 and the National Fire Protection Association Standard for Health Care Facilities ANSI/NFPA 99;
- b) In optional stand-by systems in accordance with Article 702 of the National Electrical Code, ANSI/NFPA 70-1996;
- c) In legally required stand-by systems in accordance with Article 701 of the National Electrical Code, ANSI/NFPA 70-1996;
- d) Automatic transfer switches and by-pass/isolation switches for use in accordance with the National Fire Protection Association Standard for Centrifugal Fire Pumps, ANSI/NFPA 20;
- e) Non-Automatic transfer switches for use in accordance with Articles 517-Health Care Facilities, and 702-Optional Standby Systems of the National Electrical Code, ANSI/NFPA 70 and the National Fire Protection Association Standard for Health Care Facilities, ANSI/NFPA 99.

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, and the input rating in amperes or watts. In addition, the devices are marked with one of the following as appropriate: "Service Entrance" 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 1008, Transfer Switch 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**

Transfer Switch Equipment, model LG-05 or 10 f/b C, I, S, T, W or O f/b M, A or L f/b 3 alpha/numeric characters, model tradename Gen Connect (File 29951)

Transfer Switch Equipment, model LG f/b 05, 10, 12 or 20 f/b A, B, or O f/b M, A or L f/b alpha/numeric characters, model tradename GenConnect (File 30064)

Transfer Switch Equipment, model LG f/b 000, 050 or 100 f/b M, A, L or O f/b alpha/numeric characters, model tradename GenConnect (File 30065)

**MTS POWER PRODUCTS** (manufacturer)  
**Miami, FL 33142**

Transfer Switch: Model # LX225/240/3N1 (225Amps) (File 30737)

Transfer Switch: Model # LX400/249/3N1 (400Amps) (File 30760)

**PSP PRODUCTS, INC.** (manufacturer)  
**Manassas, VA 20108**

Transfer Switch Equipment, model TC f/b -050, 100, 125 or 200 f/b alpha/numeric characters, model tradename TransConnect (File 30037)

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## WATER CONDITIONERS AND ACCESSORIES

The products listed here are electrical and electro-chemical devices and accessories intended to remove dissolved minerals and/or other impurities in water. These products are employed in ordinary residential or commercial locations.

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, wiring diagram, electrical hazard warnings and other hazard and cautionary warnings as applicable.

These products comply with ARL requirements which include pertinent sections of the National Electrical Code, ANSI/NFPA 70. In addition, some products comply with pertinent sections of The National Sanitation Foundation standard, **NSF 50, Circulation System Components for Swimming Pools, Spas, or Hot Tubs; and/or the Standard for Safety, ANSI/UL 1081, Swimming Pool Pumps, Filters and Chlorinators.**

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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**VAK PAK INDUSTRIES, INC.** (manufacturer)  
**Jacksonville, FL 32206**

Pool and Spa Water Purifier, ~~Silver/Copper Ion Generator, model 4000, 8000 or 12000~~  
(File 28661) **DELISTED**

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## WIRED CABINETS

The products listed here are cabinets, display cases, and/or special purpose cabinets containing electrical wiring, with or without illumination by incandescent or electric discharge lamps, including quick starting and high voltage lamps operating individually or in multiples at a potential of 1000 volts or less. In addition, the listings may include wired cabinets of such size that they must be sectionalized for shipping from the factory, and assembled and wired at the installation site.

Requirements for this category of products **do not** cover bathroom cabinets, cabinets provided with or designed for use with refrigeration equipment, or general use cabinets or boxes intended for the enclosure of electrical equipment.

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. Cabinets employing electric discharge lamps are marked with the lamp type and maximum lamp wattage. Products that have been found to be acceptable for use in wet locations are marked with the statement "Suitable For Wet Locations".

These products comply with ARL requirements which include pertinent sections of the Standard for Safety, **UL 65, Wired Cabinets, and are intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70.**

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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**ARTCO GROUP, INC.** (manufacturer)  
**Miami, FL 33142**

Family of Lighted Store Display fixtures, models: S-F-D, S-F-E, S-H/X-D, S-H/X-E, S-HS, S-P-L, S-L-D, S-L-F, S-L-S, S-P-H/X, S-SF-E (File 30710)

**NK NEWLOOK, INC.** (manufacturer)  
**Medley, FL 33166**

Family of Wired Cabinets, ~~models: PAN-SEK f/b 2 or 3 or PAN-UD f/b 1, 2, 2.1, 3 or 4~~  
(File 50038) **DELISTED** 01.22.10

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