



NITW7.E319917 - Industrial Control Panels Certified for Canada

Industrial Control Panels Certified for Canada

See General Information for Industrial Control Panels Certified for Canada

WALTHER ELECTRIC

E319917

Unit F

12 World's Fair Dr

Somerset, NJ 08873 USA

Industrial control panels.

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NITW7.GuidelInfo - Industrial Control Panels Certified for Canada

[Industrial Control Equipment Certified for Canada] Industrial Control Panels Certified for Canada

See General Information for Industrial Control Equipment Certified for Canada

GENERAL

This category covers industrial control panels, which are factory-wired assemblies of industrial control equipment, such as motor controllers, switches, relays and auxiliary devices. The panels may include disconnect means and motor branch-circuit protective devices. An industrial control panel does not include the controlled loads, including motors, luminaires, heaters, or utilization equipment.

An enclosed industrial control panel is comprised of the enclosure, all components located within the enclosure, and all components mounted to the walls of the enclosure.

An open industrial control panel is comprised of a mounting sub-panel and all components mounted to the sub-panel, and is intended for installation into an enclosure in the field.

This category also covers industrial control panel enclosures. The enclosures may contain ventilation openings, observation windows, conduit fittings, environmental control devices, or maintenance luminaires. Industrial control panel enclosures are intended to house open-type industrial control panels or individual items of industrial control equipment installed in the field.

Unless otherwise marked, industrial control panels covered under this category are intended for general-use industrial applications for control of heaters, lighting, motors or pump loads, or a combination of these loads, and are intended for installation in accordance with Sections 28, 30 and 62 of CSA-C22.1, "Canadian Electrical Code, Part I."

Industrial control panels marked "Industrial Control Panel for Industrial Machinery" on the unit nameplate have been investigated to determine that they meet the requirements of CSA-C22.2 No. 73, "Construction and Test of Electrically Equipped Machine Tools." Industrial control panels designated for control of industrial machinery may not be suitable for use with other equipment.

Industrial control panels marked "Flame Control Panel" on the unit nameplate contain controls for fossil fuel-burning equipment, such as incinerators, kilns, and drying ovens, intended for industrial applications. These control panels may additionally contain controls for other loads.

Industrial control panels marked "Crane Control Panel" or "Hoist Control Panel" on the unit nameplate contain controls for overhead cranes and hoists for industrial applications. These panels may not be suitable for use with equipment other than cranes and hoists.

Industrial control panels marked "Industrial Control Panel for Refrigeration Equipment" or "Industrial Control Panel for Air Conditioning Equipment" on the unit nameplate contain controls for hermetic refrigerant compressor motors for industrial applications. Industrial control panels designated for control of refrigeration equipment may not be suitable for use with equipment other than refrigeration equipment.

Industrial control panels marked "Fountain Control Panel" on the unit nameplate are intended for control of permanently installed fountains or floating fountains.

Industrial control panels are not intended for installation in motor control center sections or units.

RATINGS

Industrial control panels are rated 600 V or less. Each power circuit output from the control panel is rated in current or power, voltage, and the intended load type, such as a motor. Each supply input to the industrial control panel is rated in full load amperes, rating of largest motor load, voltage, number of phases, and frequency. Each supply input is additionally provided with a short-circuit current rating indicating the maximum rms symmetrical amperes and voltage available at the input terminals of the industrial control panel or, for an industrial control panel not supplied with branch-circuit protection, the maximum rms symmetrical amperes and voltage available on the line side of the overcurrent protection installed in the field.

ENVIRONMENTAL RATINGS

Industrial control panel enclosures are marked with the enclosure type ratings for which they were investigated.

Enclosed industrial control panels are marked with an enclosure type rating. The type rating of the industrial control panel may differ from the rating of the basic enclosure due to the presence of components or assemblies installed through the enclosure walls by the manufacturer.

PRODUCT MARKINGS

Industrial control panels are marked with the electrical ratings for each source of supply to the panel. The panel or wiring diagram provided with the panel is marked with the electrical ratings of the intended load equipment, such as motors, heaters, lighting, or appliance loads. Industrial control panels are provided with a complete schematic diagram of the panel as built by the manufacturer. When the schematic wiring diagram includes components that are not supplied with the industrial control panel, such as remote control devices, motors or similar devices, a notation or similar means is used to identify such components. When additional installation instructions are provided on a separate drawing, a reference to the drawing containing the information is marked on the nameplate of the industrial control panel.

The nameplate of industrial control panels is marked with the short-circuit current rating for each supply as follows: "Short circuit current: ___ kA rms symmetrical, ___ V maximum," or the equivalent.

SPECIAL CONSIDERATIONS

These control panels are investigated for electrical fire and shock hazards only. The investigation of industrial control panels does not include investigation of the adequacy of the control and protective devices to supervise the functioning of the controlled equipment.

Special relationships and investigations may be necessary for the proper operation of certain equipment, as noted below:

1. Industrial control panels investigated with air conditioning and refrigeration equipment are covered under Heating and Cooling Equipment Certified for Canada (LZFE7) or Specialty Refrigeration Equipment Certified for Canada (SROT7).
2. Industrial control panels investigated with industrial machinery are covered under Machinery Certified for Canada (GPNY7).
3. Flame control panels investigated with specific burner assemblies are covered under Commercial/Industrial Gas Burners Certified for Canada (KXWT7), Gas-Oil Burners Certified for Canada (KYKR7) or Oil Burners Certified for Canada (KYXZ7).
4. Fluid-handling systems consisting of industrial control panels, pumps, valves, gauges, and piping mounted to a structural base are covered under Packaged Pumping Systems Certified for Canada (QCZJ7).
5. Control panels investigated for use with flammable-liquid dispensing devices are covered under Control, Monitoring and Auxiliary Equipment Certified for Canada (EQXX7). Liquids with a flash point below 37.8°C (100°F) are defined as flammable. Liquids with a flash point of 37.8°C (100°F) and above are defined as combustible.
6. Control panels intended for use in motor control center sections or units are covered under Motor Control Centers Certified for Canada (NJAV7).

LIMITED-PRODUCTION EQUIPMENT

This category also covers single pieces of equipment or equipment manufactured in a limited quantity under a single production run in accordance with UL's Limited Production Certification Program. This limited-production equipment meets all of the same requirements as equipment that may be produced under continuous production runs, except there is no ongoing surveillance (UL Follow-Up

Service), since subsequent UL-certified production does not continue after the single run. UL certification is based on the serial number or other discrete identifier of the limited-production equipment, and not based on any model number. A UL Certificate of Compliance is also issued (see **UL CERTIFICATE** below).

FACTORS NOT INVESTIGATED

The physiological or other attributes or effects that can result from the use of this equipment have not been investigated.

PRODUCT IDENTITY

One of the following product identities appears on the product:

Enclosed Industrial Control Panel

Industrial Control Panel Enclosure

Open Industrial Control Panel

RELATED PRODUCTS

Enclosures for general-use electrical equipment or wiring are covered under Boxes, Junction and Pull Certified for Canada (BGUZ7) or Cabinets and Cutout Boxes Certified for Canada (CYIV7).

Control panels intended for elevators, dumbwaiters, escalators, moving walks, inclined lifts and their associated equipment are covered under Elevator Control Panels Certified for Canada (FQPB7).

Control panels with connection to sensors or initiating devices to detect and activate emergency alarms are covered under Signal System Units Certified for Canada (UDTZ7).

Control equipment intended to supply automatic illumination, power, or both, to critical areas and equipment essential to safety of human life is covered under Emergency Lighting and Power Equipment Certified for Canada (FTBR7).

Freestanding motor control center sections, motor control center units and equipment intended for field installation into a motor control center are covered under Motor Control Centers Certified for Canada (NJAV7).

Control panels intended for installation in hazardous (classified) locations are covered under Industrial Control Panels and Assemblies for Use in Hazardous Locations Certified for Canada (NNNY7).

Control panels provided with intrinsically safe circuits for extension into hazardous (classified) locations are covered under Industrial Control Panels Relating to Hazardous Locations Certified for Canada (NRBX7).

Cabinets, enclosures and rack/frame systems that include components and assemblies intended to power, protect, heat, cool or otherwise support information technology (IT), telecommunications equipment, or audio/video equipment (A/V) are covered under Information Technology and Communications Equipment Cabinet, Enclosure and Rack Systems Certified for Canada (NWIN7).

Equipment intended for the control of fuel cells, photovoltaic systems, or utility interactive systems are covered under Static Inverters and Converters for Use in Independent Power Systems Certified for Canada (QIKH7).

Portable control panels containing switches, overcurrent protection, and that are cord connected via attachment plugs and receptacles for use at carnivals, circuses, fairs, exhibition halls, motion picture and television studios, theaters, construction sites and similar locations are covered under Portable Power Distribution Units and Devices Certified for Canada (QPSH7).

Assemblies comprised of equipment such as circuit breakers, fuses, switches, and related accessory equipment and intended to distribute power to field installed communications equipment are covered under Power Distribution Centers for Communications Equipment Certified for Canada (QPQY7).

Controllers intended for electric fire pumps are covered under Pump Controllers, Fire Certified for Canada (QYZS7).

Control panels containing electrical control units for use in fire-protective signaling systems are covered under Control Units, Releasing Device Certified for Canada (SYZV7), Control Units, System Certified for Canada (UOJZ7) or Smoke Control System Equipment Certified for Canada (UUKL7).

Control panels intended for use with equipment for water-play fountains and water playground areas, swimming pools and spas, or fountains with water in common with swimming pools are covered under Controls Certified for Canada (WAWU7).

Freestanding assemblies of circuit breakers and busses for control of electric light and power circuits of equipment for installation into dead-front switchboards are covered under Switchboards, Dead-front Certified for Canada (WEVZ7).

Enclosed assemblies consisting only of lengths of busbars, terminal strips, or terminal blocks with provision for wire connectors to accommodate incoming or outgoing conductors for power circuits are covered under Termination Boxes Certified for Canada (XCKT7).

ADDITIONAL INFORMATION

For additional information, see Industrial Control Equipment Certified for Canada (NIMX7) and Electrical Equipment for Use in Ordinary Locations Certified for Canada (AALZ7).

REQUIREMENTS

The basic standard used to investigate products in this category is CSA-C22.2 No. 14, "Industrial Control Equipment."

UL MARK

The Certification Mark of UL on the product is the only method provided by UL to identify products manufactured under its Certification and Follow-Up Service. The Certification Mark for these products includes the UL symbol, the words "CERTIFIED" and "SAFETY," the geographic identifier(s), and a file number.

The Certification Mark on enclosed industrial control panels covers both the enclosure and the provided panel. The Certification Mark on industrial control panel enclosures covers only the enclosure; the compatibility of the enclosure and the installed equipment and associated wiring has not been investigated unless a Certification Mark is also present on the enclosed industrial control panel.

Additional Certification Markings

Alternate UL Mark

The Listing Mark of UL on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL Mark for Canada symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and the product name "Open Industrial Control Panel," "Enclosed Industrial Control Panel" or "Industrial Control Panel Enclosure."

The "Enclosed Industrial Control Panel" Listing Mark covers both the enclosure and the provided panel. Open panels employ the "Open Industrial Control Panel" Listing Mark. The "Industrial Control Panel Enclosure" Listing Mark covers only the enclosure; the compatibility of the enclosure and the installed equipment and associated wiring has not been investigated unless an "Enclosed Industrial Control Panel" Listing Mark is also present.

UL CERTIFICATE

A UL Certificate of Compliance is issued for limited-production equipment investigated under UL's Limited Production Certification Program. Issuance of a UL Certificate of Compliance indicates that UL has investigated a sample of the equipment and determined that it complies with the applicable requirements of this category. Each Certificate of Compliance is valid only for the individual units covered by the investigation and certification by UL.

At a minimum, each Certificate contains the following information:

- Certificate number
- Certificate issue date
- Report reference
- Responsible company name and address
- Limited-production equipment serial number/discrete identifier
- Applicable standards

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