

Marks for North America

MARKS FOR UL'S LISTING SERVICE

If a product carries one of these marks, it means UL found that representative product samples met UL's requirements. These marks are seen commonly on appliances and computer equipment, furnaces and heaters, fuses, electrical panel boards, smoke and carbon monoxide alarms, fire extinguishers and sprinkler systems, personal flotation devices, bullet resistant glass, and thousands of other products.

There are multiple variations of marks for UL's Listing service, some of which are for use in the United States, others for use in Canada and still others for use in both markets. Products carrying marks for Canada have been evaluated to Canadian safety requirements, which may be somewhat different from U.S. safety requirements. A combination mark indicates compliance with both Canadian and U.S. requirements.

These marks appear on end products and complete components suitable for factory and field installation. All of the products carrying these marks are covered by our Follow-Up Services program to determine that products continue to be manufactured in compliance with UL's safety requirements.

There are two options for the marks for UL's Listing service, as noted below.



The UL Listing Marking appearing on a product typically consists of four required elements:

- UL in a circle symbol
- Word Listed
- Product name
- Issue/serial number or alphanumeric control number



The UL Enhanced and Smart Marks for the United States and Canada for the Listing service consist of:

- The basic Enhanced Mark
- SAFETY attribute
- ISO country code of CA for Canada or US for the United States, or both CA and US
- Unique identifier
- Optional QR code for the smart version

Additionally, a product name and issue/serial number or alphanumeric control number may also appear on a certified product.

Additional elements and markings may be present for products that comply with UL's certification service and factory inspection requirements for Europe. Please read more for information about UL's combined mark for Europe, Canada and the United States.

COMBINED UL MARK FOR EUROPE, CANADA AND UNITED STATES

Products in compliance with UL's Listing and Follow-Up Service for Canada and the United States as well as our certification service for Europe and factory inspection requirements are eligible to bear a combined UL Mark for all three markets.

There are two options for the combined mark as noted below:



The combined UL Mark for Europe, Canada and the United States generally includes the following:

- UL in a circle symbol with C, US an EU identifiers

- Word Listed
- Alphanumeric control number
- Product category name (product identifier) as indicated in UL's certification directory

A manufacturer's name or trademark, and model number are also required on the product.



The UL Enhanced and Smart Marks for the United States, Canada and Europe consist of:

- The basic Enhanced Mark
- SAFETY attribute
- ISO country code of CA for Canada, EU for Europe and US for the United States
- Unique identifier
- Optional QR code for the smart version

Additionally, a product name and issue/serial number or alphanumeric control number may also appear on a certified product.

A manufacturer's name or trademark, and model number are also required on the product.

When applicable, a combined UL Mark for Europe, Canada and the United States may only be applied while a product remains in compliance with all certification programs represented by the combined version of the mark. Products found to be noncompliant with the terms, conditions or other UL requirements of any of the certification programs for Europe, Canada or the United States are ineligible to bear a combined mark. However, these products can continue to bear individual UL Marks for specific certification programs as long as a product continues to comply with UL's requirements.

MARKS FOR UL'S CLASSIFICATION SERVICE

UL's Marks for our Classification service appear on representative samples of products that UL has evaluated with respect to specific properties, a limited range of hazards or suitability for use under limited or special conditions.

There are also multiple variations of marks for UL's Classification service, some of which are used in the United States, others used in Canada and still others used in both markets. Products carrying marks for Canada have been evaluated to Canadian standards for a specific hazard or property. A combination mark indicates compliance with both Canadian and U.S. requirements.

In the Classification service, UL determines that a manufacturer has demonstrated the ability to produce a product complying with UL's requirements with respect to one or more of the following:

- Specific risk, e.g., casualty, fire, etc.
- Performance under specific conditions
- Compliance with regulatory codes
- Compliance with specific standards such as international standards
- Other condition, as determined by UL

All of the products carrying these marks are covered by UL's Follow-Up Services program to determine that they continue to be manufactured in compliance with UL's requirements.

There are two options for the marks for UL's Classification service, as noted below.



The UL Classification Marking appearing on a product typically consists of four required elements:

- UL in a circle symbol
- Word Classified
- Product name or company name/file number
- Issue/serial number or alphanumeric control number

Information identifying the scope of UL's certification will also appear on the product.



The UL Enhanced and Smart Marks for the United States and Canada for the Classification service consist of:

- The basic Enhanced Mark
- SAFETY attribute
- ISO country code of CA for Canada or US for the United States, or both CA and US
- Unique identifier
- Optional QR code for the smart version

Information identifying the scope of UL's certification will also appear on the product.

Additionally, a product name and issue/serial number or alphanumeric control number may also appear on a certified product.

UL RECOGNIZED COMPONENT MARK



These are Marks consumers rarely see because they are specifically used on component parts that are part of a larger product or system. These components may have restrictions on their performance or may be incomplete in construction. The component recognition marking is found on a wide range of products, including some switches, power supplies, printed wiring boards, some kinds of industrial control equipment and thousands of other products.

Just as with the UL Listing and Classified Marks, there are three variations of UL's Recognized Component Mark: one for the United States only, one for Canada only and one for both the United States and Canada. The C-UR Mark is applied to components only used in the Canadian market. Components with this type of Mark have been evaluated to Canadian standards. The optional C-UL-US Component Recognition Mark indicates compliance with both Canadian and U.S. requirements. UL encourages manufacturers distributing UL Recognized Components evaluated for both countries to use this combined Mark, but they may continue using separate UL Recognized Component Marks for the United States and Canada.

Components covered by UL's Recognized Component program are intended to be installed in another device, system or end product. They are to be installed at the factory, not in the field and they may have restricted performance capabilities that limit their use. When a complete product or system containing UL Recognized Components is evaluated, the end-product evaluation process can be streamlined.

The UL component evaluation process may include a construction examination and testing. Guidelines addressing the suitability of a component when used in an end product are noted in UL's test report as conditions of acceptability. This information can also be found in UL's [Online Certifications Directory](#) and the [UL iQTM parametric databases](#).

All components carrying the UL Recognized Component Mark are covered by UL's Follow-Up Services program to determine continued compliance with UL's requirements.

MARKS FOR UL'S FUNCTIONAL SAFETY CERTIFICATION SERVICE

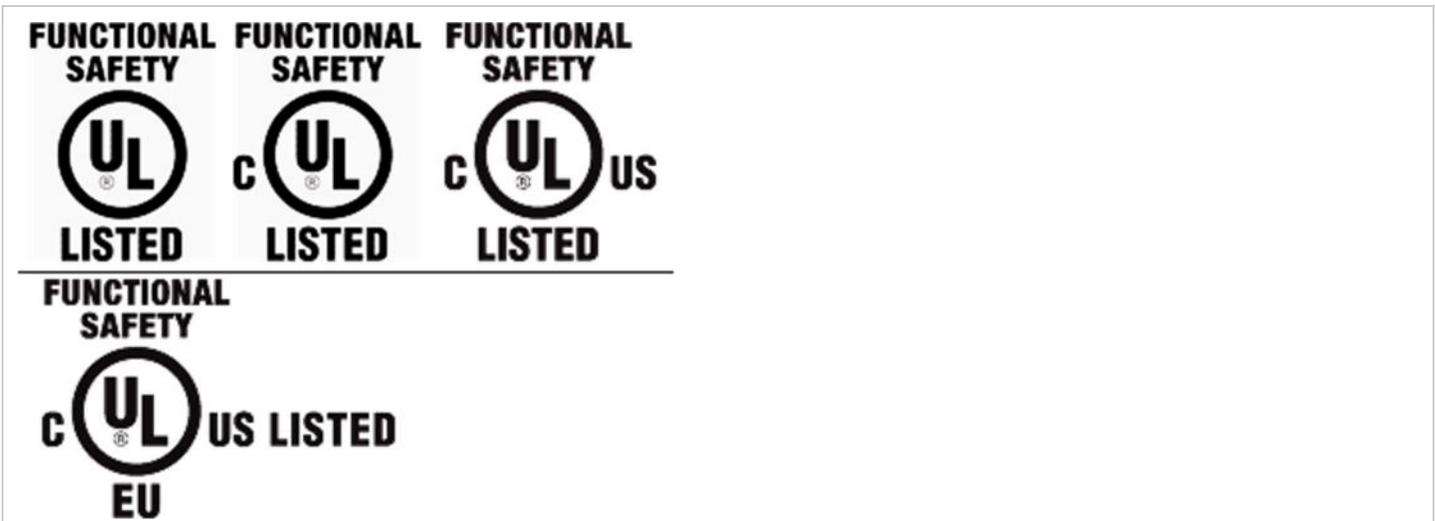
In addition to a typical safety certification, UL also certifies certain products for functional safety. Based on a product's application and usage, the functional safety assessment is performed in accordance with the requirements of a published and relevant functional safety standard. Functional safety is the part of overall safety that depends on the correct functioning of safety-related control systems and software. A functional safety investigation involves the evaluation of a safety critical circuit(s) in accordance with declared safety ratings relating to software, hardware, environmental stress factors (such as EMC) and safety lifecycle management processes. UL's certification marks for functional safety are normally restricted to products that are intended to be used in a functional safety application.

The required marking elements also include the aforementioned safety level declared by a product manufacturer. UL's Marks for functional safety certification indicate that a product provides functions to a user that can be applied in a safety-related way. Functional safety standards define safety levels as safety integrity level (SIL), automotive safety integrity level (ASIL), performance level (PL) or class. In conjunction with one of UL's functional safety certification marks, a manufacturer identifies the functional safety standard and the SIL, ASIL, PL or Class to which a product has been evaluated.

There are various marks for functional safety certification to indicate intended use in the United States and/or Canada and/or Europe. Canadian and European safety requirements may be somewhat different from U.S. safety requirements.

All of the products carrying these marks are covered by UL's Follow-Up Services program to determine that they continue to be manufactured in compliance with UL's requirements.

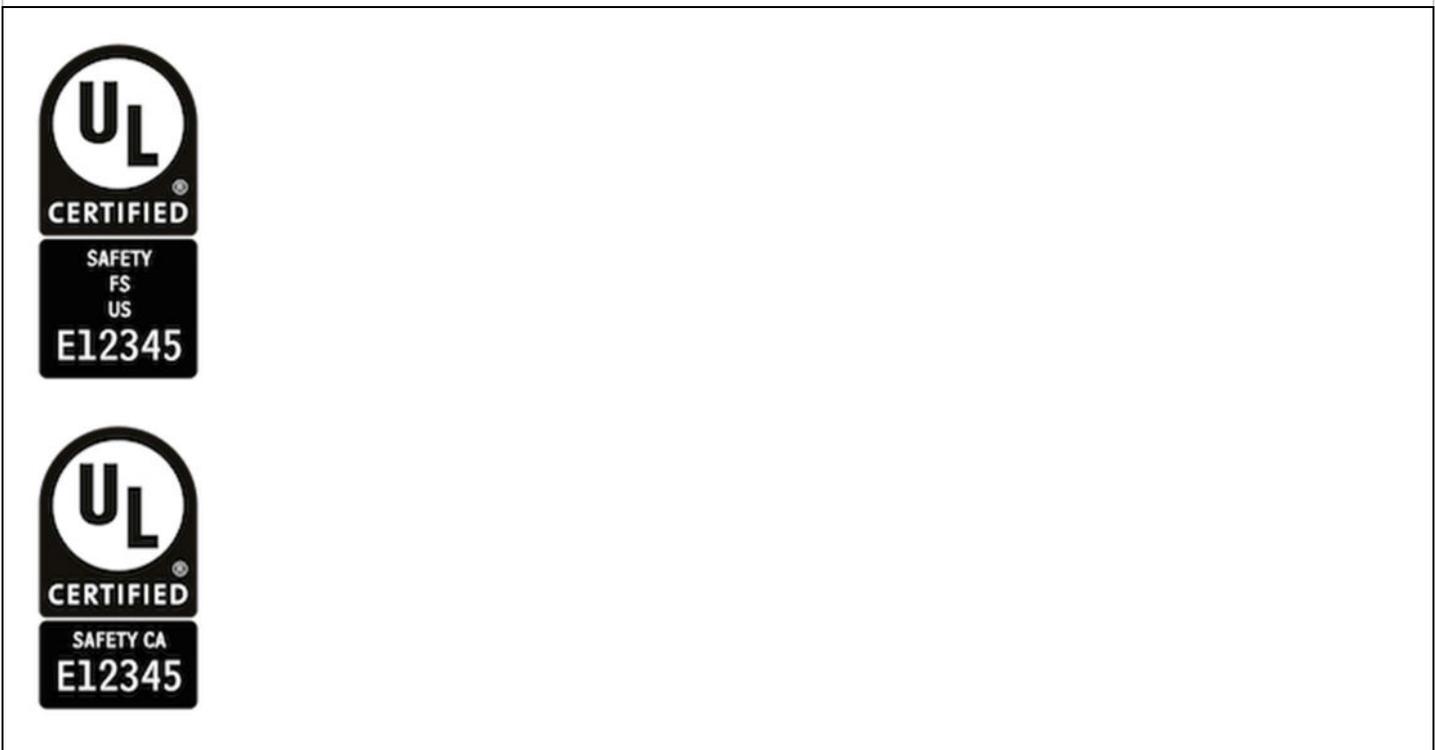
There are two options for the marks for UL's functional safety certification service, as noted below.



A UL Functional Safety Listing Mark appearing on a product typically consists of the following required elements:

- UL in a circle symbol
- Word Listed
- Words Functional Safety
- Product name or company name/file number
- Issue/serial number or alphanumeric control number

Additionally, a UL Functional Safety Listing Mark must be accompanied by a statement identifying the functional safety standard used for evaluation, the corresponding SIL, ASIL, PL or Class to which a product was evaluated, and the sentence “See installation manual for safety functions.”





The UL Enhanced and Smart Marks for the United States and Canada for functional safety certification consist of:

- The basic Enhanced Mark
- SAFETY attribute
- FS attribute (abbreviation for Functional Safety)
- ISO country code of CA for Canada, US for the United States and EU for Europe, or no country code, depending on the requirements used for certification
- Unique identifier
- Optional QR code for the smart version

Additionally, these marks must be accompanied by a statement identifying the functional safety standard used for evaluation, the corresponding SIL, ASIL, PL or Class to which a product was evaluated, and the sentence “See installation manual for safety functions.”

A product name and issue/serial number or alphanumeric control number may also appear on a certified product.

UL FUNCTIONAL SAFETY RECOGNIZED COMPONENT MARK



The Recognized Component Functional Safety Marks are specifically used on components that are part of larger products or systems intended to partially fulfill the functional safety requirements of the system. The Functional Safety Component

Recognition will streamline the functional safety investigation of the final product/system since the component will have already been partially prequalified for the intended use.

For Functional Safety Recognized Components, manufacturers will provide instructions that include component ratings, application restrictions and intended safety level, such as Safety Integrity Level (SIL), Automotive Safety Integrity Level (ASIL), Performance Level (PL) or Class.

These components may have restrictions on their performance or may be incomplete in construction. Guidelines addressing the suitability of a component when used in an end product are noted in UL's test report as conditions of acceptability. This information can also be found in UL's [Online Certifications Directory](#) and the [UL iQTM parametric databases](#). The suitability of the use of a functional safety component in a certain situation or for a particular safety level (SIL, ASIL, PL or Class) must be further evaluated within the context of the end-use application.

Just as with the UL Recognized Component Mark, there are three variations of UL's Functional Safety Recognized Component Mark: one for the United States, one for Canada only and one for both the United States and Canada.

All components carrying the UL Functional Safety Recognized Component Mark are covered by UL's Follow-Up Services program to determine continued compliance with UL's requirements.

ULC MARK

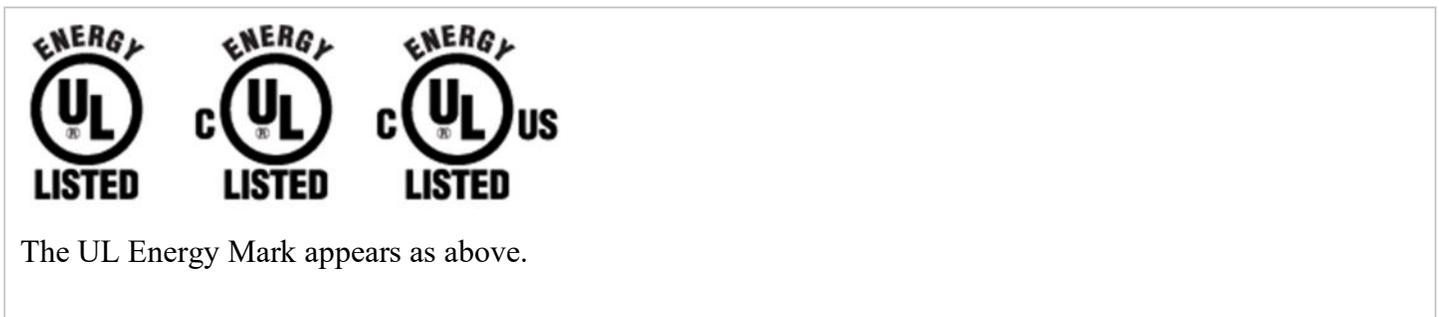


The ULC Mark is issued by Underwriters Laboratories of Canada, a member of the UL family of companies. This mark is nationally recognized in Canada for many types of products, including building materials and fire protection and suppression products. It indicates compliance with Canadian standards, many of which have been developed by ULC. Consumers, regulators and insurers across Canada look for the ULC Mark as a mark of confidence in the safety of the products carrying it.

MARKS FOR UL'S ENERGY VERIFICATION SERVICE

The UL Energy Mark appears on air conditioners and furnaces, refrigerators and freezers, dishwashers, washers and dryers, water heaters, cooking equipment, and similar products evaluated to U.S. and Canadian energy efficiency standards. These products are already certified for safety by UL before earning the UL Energy Mark.

There are two mark options for UL's energy verification service as noted below.



The UL Energy Mark appears as above.



The UL Enhanced and Smart Marks for the United States and Canada for energy certification appear as above.

An optional QR code may also appear in these marks.

UL ENERGY COMPONENT RECOGNITION MARK



Similar to UL's Energy Mark for end products, the UL Energy Component Recognition Mark appears on components that meet UL's requirements for safety as well as appropriate U.S. and Canadian energy efficiency standards. These components are used by manufacturers in end products sold in the U.S. and Canada marketplace.

MARKS FOR UL'S ENVIRONMENTAL AND PUBLIC HEALTH CERTIFICATION

These marks appear on food equipment products that have been evaluated to environmental and public health standards.

There are two mark options for UL's environmental and public health certification service as noted below.



The UL EPH Marks appears as above.

The EPH Listed Mark is typically used for products complying with UL's own published Standards for Safety. The EPH Classified Mark is used for products complying with ANSI/NSF standards and other food equipment hygiene codes and requirements.



The UL Enhanced and Smart Marks for environmental and public health certification of food equipment appear as above.

An optional QR code may also appear in these marks.

MARKS FOR UL WATER QUALITY CLASSIFICATION SERVICE

These marks appear on drinking water products evaluated to drinking water standards. Marks for UL's water quality Classification service can be found on drinking water treatment additives, drinking water treatment or filtration units, drinking water system components and materials, and distribution and plumbing products.

There are two mark options for UL's water classification service as noted below.



The UL Classified Water Quality Mark appears as above.





The UL Enhanced and Smart Marks for water quality Classification appear as above.

An optional QR code may also appear in these marks.

MARKS FOR UL'S GAS-FIRED EQUIPMENT CERTIFICATION SERVICE

UL's marks for the gas-fired certification service appear on gas-fired appliances and equipment. These marks indicate a product's compliance to nationally recognized gas standards, including UL, ANSI Z21/Z83 Series and CSA/CGA standards. Products carrying these marks have been evaluated to reasonably foreseeable hazards including both gas and electrical hazards. Gas-fired equipment evaluated to Canadian national standards is authorized to display the marks for Canada. Gas-fired equipment evaluated to both U.S. and Canadian standards may carry a combination mark.

There are two mark options for UL's gas-fired equipment certification service as noted below.



The UL Gas-Fired Mark appears as above.



The UL Enhanced and Smart Marks for certification of gas-fired products appear as above.

An optional QR code may also appear in these marks.

MARKS FOR UL'S MARINE CERTIFICATION SERVICE

UL's marks for the marine certification service appear on products that have been evaluated specifically for marine use. Products bearing these marks have been evaluated to UL's published marine Standards for Safety and other applicable standards and codes. Requirements for marine certification address hazards that can occur as a result of exposure to harsh marine environments such as vibration, impact, ignition protection, water ingress and salt spray corrosion common on pleasure craft and boats. Examples of the types of products carrying UL's marks for marine certification include alternators, battery chargers/power inverters, navigation lights, fuel tanks, filters and pumps.

There are two mark options for UL's marine certification service as noted below.



The UL Classified Water Quality Mark appears as above.



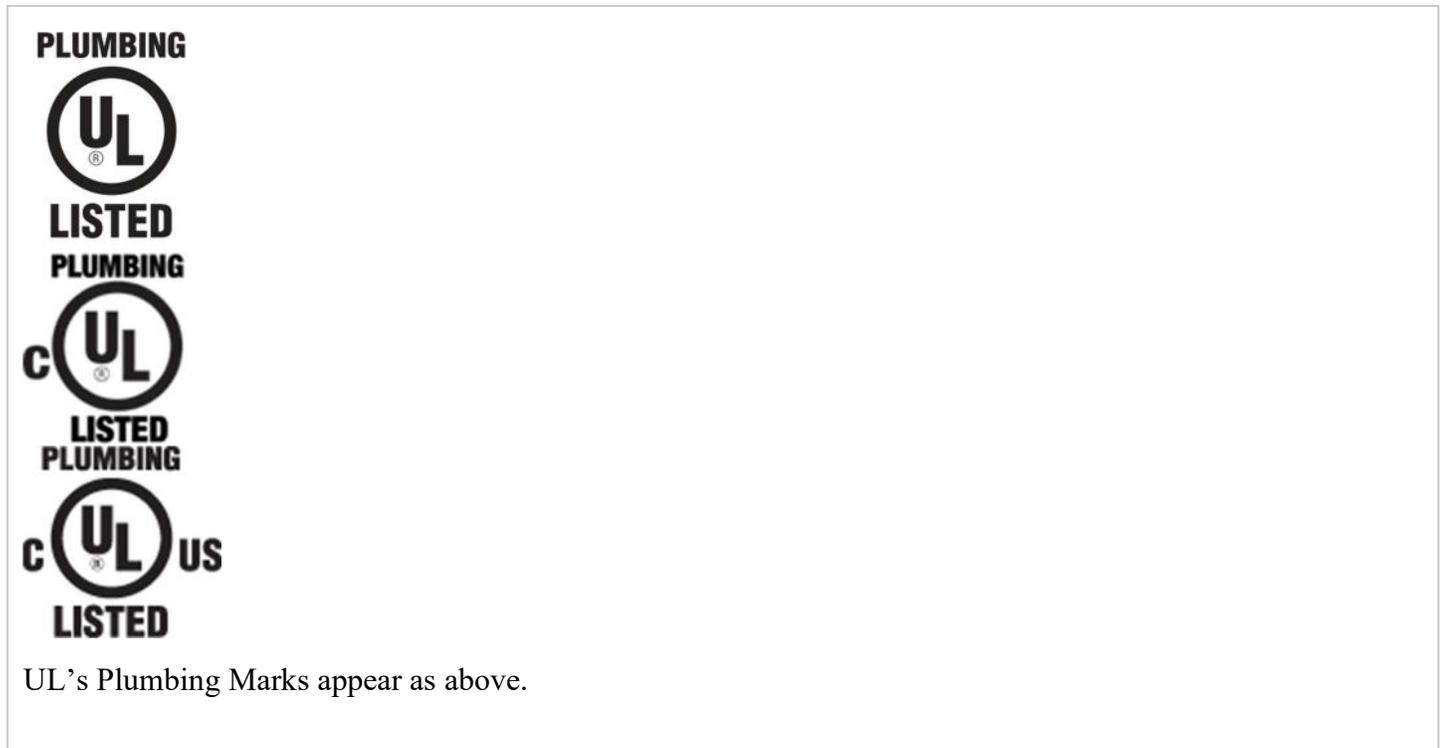
The UL Enhanced and Smart Marks for marine certification appear as above.

An optional QR code may also appear in these marks.

MARKS FOR UL'S PLUMBING CERTIFICATION SERVICE

UL's marks for plumbing certification appear on plumbing-related products and clearly identify those products that comply with applicable health-effects and plumbing performance standards and requirements of plumbing codes. Some examples of the types of products carrying UL's marks for plumbing certification include kitchen sink and lavatory supply fittings, bath and shower supply fittings and various types of automatic compensating valves. There are multiple variations of UL's plumbing marks used for products intended for the United States, products intended for Canada, and products intended for both countries. Products carrying the marks for Canada have been evaluated to the National Plumbing Code of Canada (NPCC) are suitable for installation in Canada. Products carrying marks for the United States and Canada comply with the International Plumbing Code (IPC) and Uniform Plumbing Code (UPC) as well as the NPCC.

There are two mark options for UL's plumbing certification service as noted below.



UL's Plumbing Marks appear as above.





The UL Enhanced and Smart Marks for plumbing certification appear as above.

An optional QR code may also appear in these marks.

MARKS FOR UL'S SECURITY CERTIFICATION SERVICE

These marks appear on products certified to national security products standards. Typical products carrying UL's security certification marks include intrusion detectors, burglar alarms, access controls, anti-theft alarms, surveillance systems, safes and vaults.

There are two mark options for UL's security certification service as noted below.



UL's Security Marks appear as above.



The UL Enhanced and Smart Marks for security certification appear as above.

An optional QR code may also appear in these marks.

MARKS FOR UL'S SIGNALING CERTIFICATION SERVICE

These marks appear on products certified to national signaling products standards. The typical products carrying UL's signaling certification marks include smoke alarms, fire alarms and hospital nurse call systems.

There are two mark options for UL's signaling certification service as noted below.



UL's Signaling Marks appear as above.



The UL Enhanced and Smart Marks for signaling certification appear as above.

An optional QR code may also appear in these marks.

MARKS FOR UL'S SECURITY AND SIGNALING CERTIFICATION SERVICE

These marks appear on products that are certified for both security and signaling functions. A typical example is a combination fire and burglar alarm system that is certified for both applications.

There are two mark options for UL's security and signaling services as noted below.



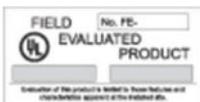
UL's Security and Signaling Marks appear as above.



The UL Enhanced and Smart Marks for security and signaling certification appear as above.

An optional QR code may also appear in these marks.

UL FIELD EVALUATION PRODUCT MARK



A Field Evaluated Product Mark is applied to a product that is thoroughly evaluated in the field instead of UL's laboratories or a manufacturer's facility. If a product has been significantly modified since its manufacture or the product doesn't bear any third-party certification mark, a building owner, a regulatory authority or anyone else directly involved with the product

can request that UL test a specific piece of equipment in the field. Products that meet appropriate safety requirements are labeled with a tamper-resistant Field Evaluated Product Mark.