

STANDARD INFORMATION

Standard: ULC 588

Standard ID: Standard for Gas and Vapour Detectors and Sensors, Including Accessories [CAN/ULC 588:2017 Ed.1+R:22Aug2024]

Previous Standard ID: Standard for Gas and Vapour Detectors and Sensors, Including Accessories [CAN/ULC S588:2017 Ed.1+R:05Feb2024]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: February 5, 2027

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Note: This new revision has changed the Standard number from ULC S588 to ULC 588.

Overview of Changes:

- Marking Revisions
- Installation Instructions

Specific details of new/revise requirements are found in table below

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
10	Info	MARKING
10.1	Info	GENERAL
		<i>Clause 10.1.1 has been re-written. Below are the new requirements:</i>
		<p>A product shall be plainly and permanently marked with the following information in A through P as applicable. Where impractical due to size, a detector(s), sensor/detector packaging or a combination of both shall include the marking information outlined in Subclauses 10.1.1 A, B, and D. The removal or opening of an enclosure cover or the removal of not more than two securing screws of a cover, or an equivalent arrangement to view a marking, complies with this requirement.</p>
10.1.1		<p>A Name or trademark of manufacturer; B Model number or other designation method determined to be equivalent; C Electrical rating, in volts, amperes, or watts, and frequency for a cord-connected (mains powered) appliance; D Date of manufacture by week, month, or quarter and year (abbreviations are not forbidden when an established or otherwise traceable code or serial number is employed); E Type of gas that the sensor/detector is intended to detect and, if the sensor is remote from the controller, the type of signal from the sensor to the control device; F Each light, switch, meter, and similar component shall have a marking adjacent to the component to indicate the intended function unless the intended function is obvious; Exception: For fire alarm and signaling system connected devices designed and installed in accordance with ULC-S524, information may be provided at the control unit or in the manufacturer's published instructions. G Reference to an installation document, when not attached to the unit, by drawing number and issue date and/or revision level. It is permissible to reference the installation document using an internet URL or bar code that links to the information; H For cord-connected (mains powered) emergency signaling products the following shall be marked on the product "Do Not Connect To A Receptacle Controlled By A Switch". Refer to Appendix C, French Translation of Other Markings; The identification of primary batteries by part number, manufacturer model number, or equivalent located adjacent to the component;</p>



CLAUSE	VERDICT	COMMENT
		<p>J For a primary battery-operated product, the words "Warning/Advertissement" and/or symbol listed in Table 4, English/French Markings, and the following text:</p> <ul style="list-style-type: none">i) "Use Only Batteries Specified in Marking. Use Of A Different Battery May Have A Detrimental Effect On Product Operation"; andii) « N'utilisez que les piles spécifiées. L'utilisation de toute autre type pourrait entraîner la défectuosité de l'appareil » <p>K With regard to the requirement in 8.2.8.2, a warning flag, hinged cover (inside or outside), shall be marked with the words "Warning/ Advertissement" and and/or symbol listed in Table 4, English/French Markings, and the following text: "Unit is Non-Operational/L'appareil est hors fonction". Letters shall be in a contrasting color and visible from 6 ft (1.83 m);</p> <p>L With regard to the requirement in Subsection 8.2.9, Battery Removal Indicator, a warning flag, hinged cover (inside or outside), shall be marked with the words "Warning/Advertissement" and/or symbol listed in Table 4, English/French Markings, and the following text: "Battery Has Been Removed La pile a été retirée". Letters shall be in a contrasting color and visible from 6 ft (1.83 m);</p> <p>M The sensitivity setting for a device having a fixed setting. When the device is intended to be adjusted in the field, the range of sensitivity shall be indicated. The marked sensitivity shall be indicated in PPM, % or %age of LEL;</p> <p style="padding-left: 40px;">Exception: For carbon monoxide detectors only with thresholds in accordance with CSA 6.19, only the lowest alarm level need be indicated.</p> <p>N A detector not intended to be painted in use shall be marked on the outer surface of the enclosure with the following notice: "Do not Paint" / «Ne pas peinturer» and/or symbol listed in Table 4, Safety Warnings. The letters shall not be less than 3.2 mm (1/8 in) high and shall be located so as to be readily visible after the detector is mounted in its intended manner. See the Paint Loading Test, Subsection 9.48.</p> <p>O With regard to the requirement in Clause 8.2.8.3, sealed units intended to be returned to the manufacturer for servicing shall be marked as follows on the outside of the detector or sensor: "RETURN TO xxx FOR SERVICING", or equivalent. It is permissible for detectors and sensors on which the cover is removable, and that are also intended to be returned to the manufacturer for servicing, to have the marking on the inside of the detector or sensor. (xxx is the name and address of the manufacturer or supplier.), and</p> <p>P For a portable detector and sensor employing a non-replaceable battery, a description of how to use the deactivation feature and indication that once deactivated the portable detector and sensor is incapable of being reactivated and shall be replaced.</p>



CLAUSE	VERDICT	COMMENT
11	Info	INSTALLATION WIRING DIAGRAM-ALL DETECTORS
11.1		<p>An installation wiring diagram shall be provided with each product illustrating the field connections to be made. The drawing shall either be attached to the unit or referenced in the marking on the unit by the name or trademark of the manufacturer, drawing number, and issue date and/or revision level.</p> <p><u>For residential detectors intended to be installed by a homeowner, a printed installation wiring diagram shall be provided with each product illustrating the field connections to be made. For detectors intended to be installed by professional/commercial (non-consumer) installers, it is permitted to provide the installation information electronically via physical media or the internet. The drawing shall either be attached to the unit or referenced in the marking on the unit by the name or trademark of the manufacturer, drawing number, and issue date and/or revision level. Where devices are packaged in bulk (multiple devices in one single package), are not intended for individual resale, and are not using an electronic means of providing installation instructions, a minimum of one set of paper installation instructions and drawings shall be provided.</u></p>