

STANDARD INFORMATION

Standard: UL 2075

Standard ID: Gas and Vapor Detectors and Sensors [UL 2075:2013 Ed.2+R:04Aug2023]

Previous Standard ID: Gas and Vapor Detectors and Sensors [UL 2075:2013 Ed.2+R:23Jan2023]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: February 1, 2026

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 Reports not updated to this version by the effective date above will be withdrawn.

This standard contains Functional Safety requirements.

Overview of Changes: Modify marking and 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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> |
| 50 | Info | Marking |
| 50.1 | Info | General |
| | | <p>A product shall be plainly and permanently marked with the following information, where it shall be visible after installation. Portable instruments that are available with carrying cases shall be marked with the information necessary for the proper operation and understanding of all visual or audible signals. Sensors, sensor packaging or a combination of both shall include the marking information outlined in 50.1.1 (a), (b), and (d).</p> <p><u>A product shall be plainly and permanently marked with the information (a) through (m) as applicable. Where impractical due to size, a sensor/detector(s), sensor/detector(s) packaging or a combination of both shall include, at the minimum, the marking information outlined in 50.1.1 (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.</u></p> <p>50.1.1</p> <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); <u>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;</u> f) Each light, switch, meter, and similar component shall have a marking adjacent to the component to indicate the intended function <u>unless the intended function is obvious;</u> <u>Exception: For fire alarm and signaling system connected devices designed and installed in accordance with NFPA 72 or NFPA 715, information may be provided at the control unit or in the manufacturer's published instructions.</u> g) Reference to an installation document, when not attached to the unit, by drawing number and issue date and/or revision level; <u>It is permissible to reference the installation document using an internet URL or bar code that links to the information;</u></p> |



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| | | <p>h) For cord-connected (mains powered) emergency signaling products the following, or other wording that has been determined to be equivalent, shall be marked on the product "Do Not Connect To A Receptacle Controlled By A Switch";</p> <p>i) The identification of primary batteries by part number, manufacturer model number, or equivalent located adjacent to the component;</p> <p>j) For a primary battery-operated product, the word "WARNING" and the equivalent shall be included on the unit "Use Only Batteries Specified in Marking. Use Of A Different Battery May Have A Detrimental Effect On Product Operation";</p> <p>k) With regard to the requirement in 9.8, a warning flag, hinged cover (inside or outside), or equivalent, shall be marked with the word "WARNING" and the following or equivalent text: "Unit is Non-Operational". Letters shall be in a contrasting color and visible from 6 feet (1.83 m);</p> <p>l) With regard to the requirement in 9.9, a warning flag, hinged cover (inside or outside), or equivalent, shall be marked with the word "WARNING" and the following or equivalent text: "Battery Has Been Removed". Letters shall be in a contrasting color and visible from 6 feet (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, percent or percentage of LEL; and</p> <p>n) For products intended for use in unconditioned areas, "Unconditioned Area Gas Detector" or equivalent.</p> <p><u>For carbon monoxide detectors only with thresholds in accordance with UL 2034, only the lowest alarm level need be indicated.</u></p> |
| 51 | Info | Installation Wiring Diagram |
| 51.1 | | <p><u>For residential detectors intended to be installed by a homeowner, an 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 and electronic means of proving installation instructions, a minimum of one set of paper installation instructions and drawings shall be provided.</u></p> |