

STANDARD INFORMATION

Standard: UL 2075

Standard ID: Gas and Vapor Detectors and Sensors [UL 2075:2013 Ed.2+R:26Mar2025]

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

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **March 26, 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 Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes: Revisions to capacitors in the Temperature Test. Specific details of new/revised requirements are found in table below.

This standard contains Functional Safety requirements.

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



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| CLAUSE | VERDICT | COMMENT |
|--------|---------|---|
| | | <i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i> |
| 4 | Info | Alarm, Sensor and/or Detector Reliability Prediction <i>New clause added;</i> For “Capacitor” component temperatures exceeding those identified in Table 34.1, but subject to the Exception specified in 34.2, the component shall: 4.7 a) Comply with the reliability requirements outlined in MIL-HDBK 217; b) Reliability testing shall be calculated based on the highest rated ambient temperature that is equal to or greater than the manufactures’ published, maximum installation temperature; c) Shall not exceed 2.5 failures per million hours; and d) Shall be included in the failure rate calculation as specified in 4.1. |