

STANDARD INFORMATION

Standard Number: UL 60730-2-13

Standard Name: Automatic Electrical Controls - Part 2-13: Particular Requirements for Humidity Sensing Controls

Standard Edition and Issue Date: 3rd Edition dated February 15, 2019

Date of Revision: February 15, 2019

Date of Previous Revision of Standard: 2nd Edition dated July 1, 2014

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **February 15, 2022**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revise requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

Overview of Changes:

- Addition of requirements to cover class B and C control functions of humidity sensing controls
- Addition of Annex BB for regional differences

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

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise requirements do not apply to your product (s).

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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>
Annex H	Info	Requirements for Electronic Controls
H.27	Info	Abnormal Operation
H.27.1.2.2		Class B control function <i>New clause added;</i> First fault Modification: Replace item b) as follows: b) the CONTROL shall react within the FAULT REACTION TIME (see Table 1, requirement 91) by proceeding to the DEFINED STATE provided that a subsequent restart under the same FAULT conditions results in the SYSTEM returning to the same DEFINED STATE condition; Replace item c) as follows: c) for SYSTEMS with NON-PERMANENT OPERATION only, the CONTROL shall continue to operate as intended, the FAULT shall be detected during the next start-up sequence. The compliance criteria shall be a) or b). H.27.1.2.2.2 <i>NOTE Requirements for SYSTEMS with PERMANENT OPERATION are under consideration.</i> Replace item d) as follows: d) the CONTROL shall continue to operate as intended. Replace the last two paragraphs with the following: The FAULT REACTION TIME shall be declared by the manufacturer (see Table 1, requirement 91). For PERMANENT OPERATION as declared by the manufacturer (see Table 1, requirement 103), item c) is under consideration. For a CONTROL function. where a mechanical actuator is part of a circuit that characterizes the DEFINED STATE, a test up to, but not including, the switching contacts is sufficient. If the test of the DEFINED STATE fails, the CONTROL shall initiate the SAFETY SHUT-DOWN. Frequency of test is as declared by the manufacturer (see Table 1, requirement 102). Internal FAULTS of the components of the checking circuits are not considered.



CLAUSE	VERDICT	COMMENT
H.27.1.2.3	Info	<p>Class C control function</p> <p><i>New clause added;</i></p> <p>First fault</p> <p>Modification:</p> <p>Replace item b) as follows:</p> <p>b) the CONTROL reacting within the FAULT REACTION TIME (see Table 1, requirement 91) by proceeding to DEFINED STATE provided that subsequent restart under the same FAULT condition results in the SYSTEM returning to the DEFINED STATE condition;</p> <p>Replace item c) as follows:</p> <p>c) for SYSTEMS with NON-PERMANENT OPERATION, the CONTROL shall continue to operate as intended, the FAULT shall be detected during the next start-up sequence. The compliance criteria shall be a) or b).</p>
H.27.1.2.3.2		<p><i>NOTE Requirements for SYSTEMS with PERMANENT OPERATION are under consideration.</i></p> <p>Replace item d) as follows:</p> <p>d) the CONTROL shall continue to operate normally as declared.</p> <p>Replace the last sentence with the following:</p> <p>The FAULT REACTION TIME shall be declared by the manufacturer (see Table 1, requirement 91).</p> <p>For PERMANENT OPERATION as declared by the manufacturer (see Table 1, requirement 103), item c) is under consideration.</p> <p>For a CONTROL function, where a mechanical actuator is part of a circuit that characterizes the DEFINED STATE, a test up to, but not including, the switching contacts is sufficient. If the test of the DEFINED STATE fails, the CONTROL shall initiate the SAFETY SHUT-DOWN. Frequency of test is as declared by the manufacturer (see Table 1, requirement 102). Internal FAULTS of the components of the checking circuits are not considered.</p>



CLAUSE	VERDICT	COMMENT
H.27.1.2.3.3		<p><i>New clause added;</i></p> <p>Second fault</p> <p>Modification:</p> <p>Replace the second sentence and items a) and b) with the following:</p> <p>During assessment, for SYSTEMS with NON-PERMANENT OPERATION, the second FAULT shall only be considered to occur when a start-up sequence has been performed after the first FAULT. For SYSTEMS with PERMANENT OPERATION, the second FAULT occurs 24 h after the first FAULT.</p> <p>Replace the last two sentences with the following:</p> <p>The FAULT REACTION TIME, as well as the applicability of c), shall be as declared by the manufacturer.</p> <p>For a CONTROL function where a mechanical actuator is part of a circuit that characterizes the DEFINED STATE, a test up to, but not including, the switching contacts is sufficient. If the test of the DEFINED STATE fails, the CONTROL shall initiate the SAFETY SHUT-DOWN. Frequency of test is as declared by the manufacturer (see Table 1, requirement 102). Internal FAULTS of the components of the checking circuits are not considered.</p>
Annex BB		<p><i>New annex added;</i></p> <p>Regional Differences</p> <p>This section contains requirements for regional differences (see standard for details).</p>
<p>CUSTOMERS PLEASE NOTE: This Table and column “Verdict” can be used in determining how your current or future production is or will be in compliance with new/revised requirements.</p>		