

STANDARD INFORMATION

Standard Number: UL 555

Standard Name: Safety for Fire Dampers

Standard Edition and Issue Date: 7th Edition Dated July 12, 2006

Date of Revision: October 21, 2016

Date of Previous Revision of Standard: 7th Edition Dated August 4, 2016

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **September 30, 2019**

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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.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: This revision of UL 555 is being issued to include requirements for Long Term Holding Test and to expand the range of temperature permitted for conducting the Dynamic Closure Test. 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 Required:

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
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13A		<p><i>New section added;</i></p> <p>Long Term Holding Test</p>
13A.1		This test is intended to measure the ability of an actuator to return to its resting (non-powered) position after being held in a nominal (powered) position for six months.
13A.2		When tested as specified in 13A.3 – 13A.10, all actuators are to return to their resting position within the time specified by the manufacturer.
13A.3		A sample set is to consist of 10 actuators of the same design family.
13A.4		Each actuator in the sample set shall be tested in an environment at a temperature between 77°F ±27°F (25°C ±15°C).
13A.5		Each actuator in the sample set shall be positioned to represent mounting to a horizontal damper shaft.
13A.6		At the beginning of the test, each actuator in the sample set shall have no applied external load.
13A.7		Exception: Actuators with external springs shall be adjusted so that the minimum spring force specified by the manufacturer is applied to the actuator.
13A.7		Each actuator in the sample set shall be powered as specified in Table 13A.1, at the rated frequency.

Electrically powered actuators

	Voltage rating of actuator V	Applied voltage V
Table 13A.1	23 – 25	24
	110 – 120	120
	220 – 240	240
	254 – 277	277
	440 – 480	480

13A.8		The applied pressure to a pneumatic powered actuator shall be a minimum of 10% above the rated pressure specified by the manufacturer.
13A.9		Each actuator in the sample set shall be powered, without interruption, for a minimum period of 4320 hours (6 months).
13A.10		Upon removing power from the actuators, observe and record the time required for each actuator to return to within ±0.12 inch (3 mm) of its resting position for linear actuator and within ±3 degrees of its resting position for rotary actuators. All actuators must return to the resting position within their rated time.

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.