



UL 193

STANDARD FOR SAFETY

Alarm Valves for Fire-Protection Service

UL Standard for Safety for Alarm Valves for Fire-Protection Service, UL 193

Eleventh Edition, Dated February 26, 2016

Summary of Topics

This revision of ANSI/UL 193 dated February 16, 2021 is being issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The requirements are substantially in accordance with Proposal(s) on this subject dated December 18, 2020.

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Eleventh Edition

February 26, 2016

This ANSI/UL Standard for Safety consists of the Eleventh Edition including revisions through February 16, 2021.

The most recent designation of ANSI/UL 193 as a Reaffirmed American National Standard (ANS) occurred on February 16, 2021. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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INTRODUCTION

1 Scope

1.1 These requirements cover alarm valves for use in automatic wet-pipe sprinkler systems for fire-protection service. Alarm valves covered by these requirements are of either the variable- or constant-pressure type and are of the swing-check pattern. Ordinarily, variable-pressure alarm valves are acceptable for constant-pressure service without alteration; however, in some designs, that part of the device having to do with the delaying of alarms may be omitted.

1.2 Alarm valves covered by these requirements include the sizes 1 – 12 inches, inclusive.

1.3 Alarm valves covered by these requirements are intended for installation and use in accordance with the Standard for the Installation of Sprinkler Systems, NFPA 13.

2 Units of Measurement

2.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

3 Undated References

3.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

4 Components

4.1 Except as indicated in [4.2](#), a component of a product covered by this standard shall comply with the requirements for that component.

4.2 A component is not required to comply with a specific requirement that:

- a) Involves a feature or characteristic not required in the application of the component in the product covered by this standard, or
- b) Is superseded by a requirement in this standard.

4.3 A component shall be used in accordance with its rating established for the intended conditions of use.

4.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

5 Glossary

5.1 For the purpose of this standard, the following definitions apply.

5.2 READY CONDITION – The condition existing when:

- a) An alarm valve is installed in a piping system that has been filled with water from an active water supply having a stable pressure; and
- b) There is no water flow from any outlet on the system downstream from the alarm valve.