



UL 199

STANDARD FOR SAFETY

Automatic Sprinklers for Fire-Protection Service

UL Standard for Safety for Automatic Sprinklers for Fire-Protection Service, UL 199

Twelfth Edition, Dated April 28, 2020

Summary of Topics

This new edition of ANSI/UL 199 dated April 28, 2020 is issued to provide clarification, update testing details and align requirements for the various sprinkler types. This new edition also consolidates requirements from UL 199D, UL 199H, UL 199J, UL 1626, UL 1767 and UL 1767B.

The requirements are substantially in accordance with Proposal(s) on this subject dated October 18, 2019.

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INTRODUCTION

1 Scope

1.1 These requirements cover automatic sprinklers including conventional, spray, sidewall, extended coverage, residential, certain specific application sprinklers and storage sprinklers including early suppression fast response (ESFR) intended for installation on sprinkler systems for fire-protection service. Requirements for the installation and use of sprinklers are included in the Standards for the Installation of Sprinkler Systems, NFPA 13; Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes, NFPA 13D; and Installation of Sprinkler Systems in Low-Rise Residential Occupancies, NFPA 13R; as well as other applicable NFPA Standards.

1.2 The requirements in this standard are not intended to restrict the application of representative fire and other tests for special sprinklers, as referenced in Standard for the Installation of Sprinkler Systems, NFPA 13, that are intended to provide protection for specific fire hazards.

2 Components

2.1 Except as indicated in [2.2](#), a component of a product covered by this standard shall comply with the requirements for that component.

2.2 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- b) Is superseded by a requirement in this standard.

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

2.4 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.

3 Units of Measurements

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

4 Undated References

4.1 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.

5 Glossary

5.1 For the purpose of this standard the following definitions apply:

5.2 ACTUAL DELIVERED DENSITY (ADD) – The rate at which water, discharged from a sprinkler, is actually deposited onto the top of the protected horizontal surface under a fire condition.