UL 539

STANDARD FOR SAFETY

Single and Multiple Station Heat Alarms

UL Standard for Safety for Single and Multiple Station Heat Alarms, UL 539

Seventh Edition, Dated April 28, 2017

Summary of Topics

This revision of ANSI/UL 539 includes Graph Modification for Fire Test Temperature Profile.

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 revised requirements are substantially in accordance with Proposal(s) on this subject dated April 13, 2018.

No Text on This Page

APRIL 28, 2017
(Title Page Reprinted: May 22, 2018)

ANSI/UL 539-2018

UL 539

Standard for Single and Multiple Station Heat Alarms

The first edition was titled Fire Alarm Devices, Single and Multiple Station, Mechanically Operated Type.

The Second, Third, and Fourth editions were titled Fire Alarm Devices, Single and Multiple Station, Mechanically Operated Type.

The fifth edition was initially titled Single and Multiple Station Heat Detectors

First Edition – October, 1973
Second Edition – December, 1976
Third Edition – June, 1991
Fourth Edition – July, 1995
Fifth Edition – July, 2000
Sixth Edition – January, 2009

Seventh Edition

April 28, 2017

This ANSI/UL Standard for Safety consists of the Seventh Edition including revisions through May 22, 2018.

The most recent designation of ANSI/UL 539 as an American National Standard (ANSI) occurred on May 22, 2018. 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.

No Text on This Page

CONTENTS

INTRODUCTION

CONSTRUCTION

MECHANICALLY OPERATED

ELECTRICALLY OPERATED

PERFORMANCE

ALL ALARMS

MECHANICALLY OPERATED ALARMS

ELECTRICALLY OPERATED ALARMS

INSTRUCTIONS

MARKING

SUPPLEMENT SA - ELECTRONICALLY OPERATED HEAT ALARM RELIABILITY PREDICTION

APPENDIX A

APPENDIX B

INTRODUCTION

1 Scope

1.1 These requirements cover heat-actuated, single and multiple station heat alarms intended for indoor installation in accordance with the National Fire Alarm Code, NFPA 72, Chapter 11.

1.2 These requirements do not cover electrically operated single or multiple station smoke or heat alarms.

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 Measurement

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

3.2 Unless otherwise indicated, all voltage and current values mentioned in this standard are root-mean-square (rms).