



UL 1416

STANDARD FOR SAFETY

Overcurrent and Overtemperature
Protectors for Radio- and Television-
Type Appliances

UL Standard for Safety for Overcurrent and Overtemperature Protectors for Radio- and Television- Type Appliances, UL 1416

Sixth Edition, Dated October 29, 1999

SUMMARY OF TOPICS

This revision to ANSI/UL 1416 dated February 7, 2022 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 17, 2021.

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Sixth Edition

October 29, 1999

This ANSI/UL Standard for Safety consists of the Sixth Edition including revisions through February 7, 2022.

The most recent designation of ANSI/UL 1416 as a Reaffirmed American National Standard (ANS) occurred on February 7, 2022. 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 apply to overtemperature protectors, and overcurrent protectors to be employed in radio- and television-type appliances in applications where the protectors are relied upon to limit power, current, or both and where the equipment is to be supplied by a maximum 20 A branch circuit. Compliance with these requirements is not to be regarded as indication that an overcurrent or overtemperature protector would be acceptable in the end-use product.

1.2 The acceptability of any protector covered by these requirements in any particular component, device, or appliance depends upon the conditions of continued use that prevail in actual service. Accordingly, for a particular application, the protector may be affected by the requirements for the component, device, or appliance in question, and it may be necessary to employ protective devices having features other than or in addition to those specified in these requirements.

1.3 These requirements do not apply to thermal cutoffs (single-operation meltable-type overtemperature devices). Thermal cutoffs are covered in the Standard for Thermal-Links – Requirements and Application Guide, UL 60691.

1.4 *Deleted*

2 Glossary

2.1 OVERCURRENT PROTECTOR – A device that:

- a) Is intended for free standing use,
- b) Is current sensitive, and
- c) Is intended to be reset or is self-resetting following operation. Operation is the interrupting of a circuit(s) when the current flowing through it exceeds a preselected value.

2.2 OVERTEMPERATURE PROTECTOR – A device intended for freestanding use or for installation in components and that interrupts a current flow when it attains a predetermined temperature. It may be resettable or self-resetting following operation but shall not be of the single-operation type.

3 Components

3.1 Except as indicated in [3.2](#), a component of a product covered by this Standard shall comply with the requirements for that component. See Appendix A for a list of standards covering components generally used in the products covered by this Standard.

3.2 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.

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