



UL 1416

STANDARD FOR SAFETY

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

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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

These revisions include a revised title page to reflect the ANSI approval of the current edition of UL 1416.

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. Changes in requirements are marked with a vertical line in the margin and are followed by an effective date note indicating the date of publication or the date on which the changed requirement becomes effective.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated August 17, 2012.

The UL Foreword is no longer located within the UL Standard. For information concerning the use and application of the requirements contained in this Standard, the current version of the UL Foreword is located on ULStandardsInfoNet at: <http://ulstandardsinfo.net.ul.com/ulforeword.html>

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OCTOBER 29, 1999
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UL 1416

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

The First edition was titled Standard for Overcurrent and Overtemperature Protectors for Radio and Television Receiving Appliances and Other Electronic Equipment and numbered UL 492.6.

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Second Edition – January, 1976
Third Edition – December, 1978
Fourth Edition – February, 1986
Fifth Edition – September, 1994

Sixth Edition

October 29, 1999

This ANSI/UL Standard for Safety consists of the Sixth Edition including revisions through October 12, 2012.

The most recent designation of ANSI/UL 1416 as an American National Standard (ANSI) occurred on October 12, 2012. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or effective date information.

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 <http://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.

1.3 revised March 21, 2006

1.4 *Deleted January 21, 2004*

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.