

UL 514D

Cover Plates for Flush-Mounted Wiring Devices

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Underwriters Laboratories Inc. (UL)
333 Pfingsten Road
Northbrook, IL 60062-2096

UL Standard for Safety for Cover Plates for Flush-Mounted Wiring Devices, UL 514D

First Edition, Dated April 14, 2000

Revisions: This Standard contains revisions through and including May 31, 2007.

Summary of Topics

- **Revisions to clarify the resistance to ignition test requirements as they apply to cover plate material and finished samples of cover plates**

Text that has been changed in any manner is marked with a vertical line in the margin.

The revised requirements are substantially in accordance with UL's Proposal(s) on this subject dated October 20, 2006.

The revisions dated May 31, 2007 include a reprinted title page (page1) for this Standard.

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/ulforeword.html>

The master for this Standard at UL's Northbrook Office is the official document insofar as it relates to a UL service and the compliance of a product with respect to the requirements for that product and service, or if there are questions regarding the accuracy of this Standard.

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The requirements in this Standard are now in effect, except for those paragraphs, sections, tables, figures, and/or other elements of the Standard having future effective dates as indicated in the preface. The prior text for requirements that have been revised and that have a future effective date are located after the Standard, and are preceded by a "SUPERSEDED REQUIREMENTS" notice.

New product submittals made prior to a specified future effective date will be judged under all of the requirements in this Standard including those requirements with a specified future effective date, unless the applicant specifically requests that the product be judged under the current requirements. However, if the applicant elects this option, it should be noted that compliance with all the requirements in this Standard will be required as a condition of continued Listing and Follow-Up Services after the effective date, and understanding of this should be signified in writing.

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This Standard consists of pages dated as shown in the following checklist:

Page	Date
1-6B	May 31, 2007
7-8	June 15, 2001
9-10A	May 31, 2007
10B-11	December 31, 2003
12-13	May 31, 2007
14	June 15, 2001
15-17	April 14, 2000
18-20B	December 31, 2003
21-23	April 14, 2000
24-24B	December 31, 2003
25-30	April 14, 2000
31-32	December 31, 2003
33	June 15, 2001
34	April 14, 2000
35	June 15, 2001
36	April 14, 2000
A1	May 31, 2007
A2	April 14, 2000
B1-B2	April 14, 2000

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Canadian Standards Association
CAN/CSA C22.2 No. 42.1-00
First Edition

Underwriters Laboratories Inc.
UL 514D
First Edition



Cover Plates for Flush-Mounted Wiring Devices

April 14, 2000

(Title Page Reprinted: May 31, 2007)

Approved
by
Standards Council
of Canada



ANSI/UL 514D-2007

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Commitment for Amendments

This standard is issued jointly by Canadian Standards Association (CSA) and Underwriters Laboratories Inc. (UL). Comments or proposals for revisions on any part of the standard may be submitted to CSA or UL at any time. Revisions to this standard will be made only after processing according to the standards development procedures of CSA and UL. CSA and UL will issue revisions to this standard by means of a new edition or revised or additional pages bearing their date of issue.

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CONTENTS

Preface	4
1 Scope	7
2 Definitions	7
3 General	8
3.1 Components	8
3.2 Reference publications	9
4 Construction	10A
4.1 All cover plates and outlet box hoods	10A
4.2 Metallic cover plates and outlet box hoods	10A
4.3 Nonmetallic cover plates and outlet box hoods	11
4.4 Wet and damp locations	14
4.5 Gaskets	16
4.6 Marine use	17
5 Test method	17
5.1 Metallic cover plates and outlet box hoods	18
5.2 Nonmetallic cover plates and outlet box hoods	20
5.3 Wet and damp locations	23
5.4 Gaskets	26
5.5 Marine	26
6 Markings	27
6.1 General	27
6.2 Gaskets intended for use with cover plates in dry locations	28
6.3 Cover plates and outlet-box hoods for use in wet and damp locations	28
6.4 Marine use	28
7 Installation Instructions	29

Annex A

Standards for Components

Annex B

French Translations and Markings

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Preface

This is the harmonized CSA and UL Standard for Cover Plates for Flush-Mounted Wiring Devices. It is the First Edition of C22.2 No. 42.1-00 and UL 514D. The requirements are drawn from UL 514A , Metallic Outlet Boxes, UL 514B , Fittings for Cable and Conduit, UL 514C , Nonmetallic Outlet Boxes, Flush Device Boxes, and Covers, and CSA Standard C22.2 No. 42-M1984, General Use Receptacles, Attachment Plugs, and Similar Wiring Devices.

This harmonized standard was prepared by the Canadian Standards Association (CSA) and Underwriters Laboratories Inc. (UL). The efforts and support of the Electro Federation of Canada (EFC) and the National Electrical Manufacturers Association (NEMA) are gratefully acknowledged.

This Standard was reviewed by the CSA Subcommittee on General Use Receptacles, Attachment Plugs, and Similar Wiring Devices under the jurisdiction of the CSA Technical Committee on Wiring Products and the CSA Strategic Resource Group, and was approved by the CSA Technical Committee. This Standard was reviewed for recognition as an American National Standard by UL's Standards Technical Panel (STP) for Cover Plates For Flush Mounted Wiring Devices, STP 514D.

This standard has been approved as a National Standard of Canada by the Standards Council of Canada (SCC).

Where reference is made to a specific number of samples to be tested, the specified number shall be considered a minimum quantity.

Note: *Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the user of the standard to judge its suitability for their particular purpose.*

Level of harmonization

This standard is published as an identical standard for CSA and UL.

An identical standard is a standard that is exactly the same in technical content except for national differences resulting from conflicts in codes and governmental regulations. Presentation is word for word except for editorial changes.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

CSA Effective Date

The effective date for CSA will be announced through CSA Informs or a CSA Certification Notice.

UL Effective Date

A UL effective date is one established by Underwriters Laboratories, Inc. and is not part of the ANSI approved standard.

This standard has been approved by the American National Standards Institute (ANSI) as an American National Standard.

The most recent designation of ANSI/UL 514D as an American National Standard (ANSI) occurred on May 31, 2007. The ANSI approval for this standard does not include the Cover Page, Transmittal Pages, or the Title Page.

This ANSI/UL Standard for Safety, which consists of the second edition with revisions through May 31, 2007. 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>

A UL standard is current only if it incorporates the most recently adopted revisions, all of which are itemized on the transmittal notice that accompanies the latest set of revised requirements.

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Cover Plates for Flush-Mounted Wiring Devices

1 Scope

1.1 This Standard applies to metallic and nonmetallic cover plates and associated gaskets for flush-mounted wiring devices intended for installation in accordance with the National Electrical Code, NFPA 70, and the Canadian Electrical Code (CEC), Part 1.

1.2 This Standard also applies to outlet box hoods that are either integral or not integral with a cover plate for flush-mounted wiring devices.

1.3 This Standard also applies to cover plates for flush-mounted wiring devices intended for use in marine applications in accordance with the applicable requirements of the United States Coast Guard and the Canadian Coast Guard; IEEE Recommended Practice for Electrical Installation on Shipboard, IEEE Standard 45; the American Boat and Yacht Council; and the Standard for Pleasure and Commercial Motor Craft, NFPA 302.

1.4 This Standard does not apply to:

- a) telephone wall plates; or
- b) cover plates and associated gaskets intended for use in hazardous (classified) locations as defined in the National Electrical Code (NEC), NFPA 70, and the Canadian Electrical Code (CEC), Part I.

2 Definitions

Note: The following definitions apply to this standard:

2.1 Cover plate for flush-mounted wiring devices – a cover intended to close the flush-device box and cover the edges of the wall opening in which the box is located. The cover is either a blank plate, or a plate intended to be fastened directly to a wiring device.

Note: In this Standard, the term "cover plate" refers to "cover plate for flush-mounted wiring devices." The designations specified as follows refer to flammability classifications in UL 94 and CAN/CSA C22.2 No. 0.17: V-0, V-1, V-2, 5VA, 5VB, HB, HBF, HF-1, HF-2

2.2 Device – a unit of an electrical system that is intended to carry, not utilize, electrical energy.

2.3 Dripproof – a designation of a marine-use product that is constructed or so protected that falling drops of liquid or solid particles striking the enclosure, from 0 – 15° downward from vertical, do not interfere with the intended operation of the equipment.

2.4 Elastomer – rubber or any polymer that has properties similar to those of rubber (also referred to as solid elastomer in this Standard).

2.5 Flush-device box – a box with provision for mounting one or more flush wiring devices.

2.6 Outlet box hood – a product intended to fit over a cover plate for flush-mounted wiring devices, or an integral component of an outlet box or cover plate for flush-mounted wiring devices. The hood does not serve to complete the electrical enclosure, it reduces the risk of water coming in contact with electrical components housed within, such as attachment plugs, current taps, transient voltage surge suppressors, direct plug-in transformer units, or wiring devices.

2.7 Receptacle – one or more female contact devices on the same yoke installed at an outlet for the connection of one or more attachment plugs.

2.8 Receptacle, duplex – two female contact devices on the same yoke installed at an outlet for the connection of two attachment plugs.

2.9 Receptacle, flush – a receptacle provided with means for flush mounting on a standard flush-device box or cover plate.

2.10 Receptacle, isolated ground – a receptacle having the grounding terminal electrically isolated from the means to which it is mounted.

2.11 Receptacle, single – one female contact device with no other contact device on the same yoke installed at an outlet for the connection of one attachment plug.

2.12 Watertight – a designation of a marine-use product that is constructed to prevent water from entering the enclosure under any condition other than submersion.

3 General

3.1 Components

3.1.1 Except as indicated in Clause 3.1.2, a component of a product covered by this Standard shall comply with the requirements for that component. See Annex A for a list of Standards covering components used in the products covered by this Standard. A component shall comply with Underwriters Laboratories Inc. Standards and the Canadian Standards Association Standards for the component.

3.1.2 A component shall not be 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.

3.1.3 A component shall be used in accordance with its ratings for the intended conditions of use.

3.1.4 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.

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3.2 Reference publications

3.2.1 Products covered by this standard shall comply with the reference installation codes and standards noted in this clause. For undated references to standards, such reference shall be considered to refer to the latest edition and all revisions to that edition up to the time when this standard was approved. For dated references to standards, such reference shall be considered to refer to the dated edition and all revisions published to that edition up to the time the standard was approved.

CSA Standards

C22.1-02

Canadian Electrical Code, Part 1

C22.2 No. 0.15-01

Adhesive Labels

CAN/CSA-C22.2 No. 0.17-00

Evaluation of Properties of Polymeric Materials

C22.2 No. 42-99 (R2002)

General Use Receptacles, Attachment Plugs, and Similar Wiring Devices

CAN/CSA-C22.2 No. 94-M91 (R2001)

Special Purpose Enclosures

C22.2 No. 182.2-M1987 (R1999)

Industrial Locking Type, Special Use Attachment Plugs, Receptacles and Connectors

UL Standards

UL 50

Standard for Enclosures for Electrical Equipment

UL 94

Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

UL 157

Standard for Gaskets and Seals

UL 498

Standard for Attachment Plugs and Receptacles

UL 746A

Standard for Polymeric Materials – Short Term Property Evaluations

UL 746B

Standard for Polymeric Materials – Long Term Property Evaluations

UL 969

Standard for Marking and Labeling Systems