JOINT CANADA-UNITED STATES
NATIONAL STANDARD

ANSI/CAN/UL 793:2026

STANDARD FOR SAFETY

Automatically Operated Roof Vents for Smoke and Heat

ANSI/UL 793-2026

SCC FOREWORD

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UL Standard for Safety for Automatically Operated Roof Vents for Smoke and Heat, ANSI/CAN/UL 793

Fourth Edition, Dated December 15, 2020

Summary of Topics

This revision of ANSI/CAN/UL 793 dated July 30, 2026 includes the requiring of a mechanically-opened vent to be assembled so that it can be manually operated (opened) from outside the building with no special tools; 8.1.

Text that has been changed in any manner or impacted by ULSE'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 October 3, 2025.

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ANSI/UL 793-2026

DECEMBER 15, 2020
(Title Page Reprinted: July 30, 2026)

ANSI/CAN/UL 793:2026

Standard for Automatically Operated Roof Vents for Smoke and Heat

First Edition – November, 1995
Second Edition – June, 2003
Third Edition – December, 2008

Fourth Edition

December 15, 2020

This ANSI/CAN/UL Safety Standard consists of the Fourth Edition including revisions through July 30, 2026.

The most recent designation of ANSI/UL 793 as an American National Standard (ANSI) occurred on July 30, 2026. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, Preface or SCC Foreword.

This standard has been designated as a National Standard of Canada (NSC) on July 30, 2026.

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Preface (UL)

This is the Fourth Edition of ANSI/CAN/UL 793, Standard for Automatically Operated Roof Vents for Smoke and Heat.

ULSE is accredited by the American National Standards Institute (ANSI) and the Standards Council of Canada (SCC) as a Standards Development Organization (SDO).

This Standard has been developed in compliance with the requirements of ANSI and SCC for accreditation of a Standards Development Organization.

This ANSI/CAN/UL 793 Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of ANSI and SCC for accreditation of a Standards Development Organization. In the event that no revisions are issued for a period of four years from the date of publication, action to revise, reaffirm, or withdraw the standard shall be initiated.

Annex A, identified as Informative, is for information purposes only.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

Comments or proposals for revisions on any part of the Standard may be submitted at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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This Edition of the Standard has been formally approved by the Technical Committee (TC) on Automatically Operated Roof Vents for Smoke and Heat, TC 793.

This list represents the TC 793 membership when the final text in this standard was balloted. Since that time, changes in the membership may have occurred.

TC 793 Membership

Name	Representing	Interest Category	Region
Dormann, Susanne	CSA Group	Testing & Standards Org.	Canada
Harms, Donald	Lane-Aire Mfg Corp	Producer	USA
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Name	Representing	Interest Category	Region
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Scott, Kevin	KH Scott & Associates LLC	Authorities Having Jurisdication / Regulator	USA

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This Standard is intended to be used for conformity assessment.

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 this particular application.

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INTRODUCTION

1 Scope

1.1 These requirements cover automatically operated roof vents for smoke and heat that fall into two general categories: mechanically-opened and gravity-opened. Mechanically-opened vents consist primarily of a body frame, one or more damper covers and hatches, and operating mechanisms which generally include a heat responsive device and spring(s). Gravity-opened vents consist primarily of a body frame and nonmetallic drop-out panel. The vents covered by these requirements are operated manually or automatically in the event of fire to remove smoke and heat from the building. Automatic operation does not depend on electrical power or other energy sources that may be interrupted during a fire, but rather depends upon operation of a heat responsive device or on the action of a plastic cover shrinking and falling from place due to fire exposure, or the like. These vents are not intended for use as general purpose building ventilation devices.

2 Normative References

CSA Group Standards

CAN/CSA C22.2 No. 0.17, Evaluation of Properties of Polymeric Materials

UL Standards

UL 33, Standard for Heat Responsive Links for Fire-Protection Service

UL 94, Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

UL 746C, Standard for Polymeric Materials – Use In Electrical Equipment Evaluations

UL 790, Standard for Standard Test Methods for Fire Tests of Roof Coverings

UL 1332, Standard for Organic Coatings for Steel Enclosures for Outdoor Use Electrical Equipment

Other Standards

International Building Code

NFPA 204, Standard for Smoke and Heat Venting

ASTM A653/A653M, Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

ASTM B555, Standard Guide for Measurement of Electrodeposited Metallic Coating Thicknesses by the Dropping Test

ASTM E11, Standard Specification for Wire Cloth and Sieves for Testing Purpose

3 Units of measurement

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

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