CAN/ULC-S559-13-R2018
(Reaffirmed 2018)

STANDARD FOR EQUIPMENT FOR FIRE SIGNAL RECEIVING CENTRES AND SYSTEMS

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Standard for Equipment for Fire Signal Receiving Centres and Systems, CAN/ULC-S559-13-R2018

Second Edition, Dated January 2013

Summary of Topics

This revision of CAN/ULC-S559 is being issued to update the title page to reflect the reaffirmation of this Second Edition National Standard of Canada. No changes in requirements are involved.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated May 18, 2018.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD. IN THOSE INSTANCES, THE RELEVANT VERSIONS ARE AVAILABLE FOR PURCHASE.

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CAN/ULC-S559-13-R2018

STANDARD FOR EQUIPMENT FOR FIRE SIGNAL RECEIVING CENTRES AND SYSTEMS

ICS 13.220.20; 13.320; 13.310

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This list represents the membership at the time the Committee balloted on the final text of this edition. Since that time, changes in the membership may have occurred.

This Standard is dedicated to the memory of **G. Richard Morris** Chair 1989–2001 and member, 1976–2012, of the ULC Standards Committee on Fire Alarm and Life Safety Equipment and Systems.

STANDARD FOR EQUIPMENT FOR FIRE SIGNAL RECEIVING CENTRES AND SYSTEMS

PREFACE

This is the Second Edition of the Standard for Equipment for Fire Signal Receiving Centres and Systems, CAN/ULC-S559.

This Edition of the Standard was developed by the ULC Standards Working Group on Equipment for Fire Signal Receiving Centres and Systems, reviewed by the ULC Standards Subcommittee on Control Units for Fire Alarm Systems, and was formally approved by the ULC Standards Committee on Fire Alarm and Life Safety Equipment and Systems.

This Standard has been developed in compliance with the requirements of Standards Council of Canada (SCC) for accreditation of a Standards Development Organization.

Only metric SI units of measurement are used in this Standard. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

Appendix A, identified as informative, is for informational 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.

This Second Edition National Standard of Canada was based on the First Edition, and has now been reaffirmed.

Attention is drawn to the possibility that some of the elements of this Canadian standard may be the subject of patent rights. ULC Standards shall not be held responsible for identifying any or all such patent rights.

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

This CAN/ULC-S559 Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of 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.

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 On-Line Collaborative Standards Development System (CSDS) at https://csds.ul.com/canada.

This Standard is intended to be used for conformity assessment.

1 SCOPE

1.1 This Standard covers requirements for fire *signal receiving centres* and systems, which include transmitting and receiving equipment, proprietary fire *signal receiving centre* equipment and *control unit* accessories for use in accordance with the following:

A CAN/ULC-S524, Installation of Fire Alarm Systems;

B CAN/ULC-S561, Standard for the Installation and Services for Fire Signal Receiving Centres and Systems;

C CSA-22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations;

D Figure 1A, Typical Arrangement of Equipment for Fire Signal Receiving Centres and Systems; and

E Figure 1B, Recommended Demarcation Between Fire Alarm Control Unit and Signal Transmitting Unit at the Protected Premises.

NOTE: Fire alarm system equipment and installations should comply with Industry Canada rules and regulations, as applicable, concerning the following:

A Electromagnetic radiation;

B Use of radio frequencies; and

C Connection to the public switched telephone network of telephone equipment, systems, and protection apparatus.

1.2 *Proprietary fire alarm systems* incorporating the features and functions of a fire alarm system, and/or incorporating transponders of distributed type systems, shall be in accordance with the requirements of CAN/ULC-S527, Control Units for Fire Alarm Systems.

1.3 Equipment covered by the scope of this Standard incorporating the features and functions of a fire alarm system, shall be in accordance with the requirements of CAN/ULC-S527, Control Units for Fire Alarm Systems.

1.4 These requirements cover fire *signal receiving centre* systems, including protected premise unit and receiver for ordinary (non-hazardous) indoor and outdoor locations.

1.5 Changes or additions to the equipment covered by the scope of this Standard shall be tested according to the relevant sections of this Standard. Examples of changes and additions include, but are not limited to:

A Operating system programme;

B Changes or additional features to system operation;

C Electrical/electronic or mechanical components; and

D Other software temporarily or permanently installed; such as for test or maintenance.

1.6 Programming methods, test, service and other software intended for use with the equipment for fire *signal receiving centres* and systems shall be included in the evaluation of this equipment.