CAN/ULC 302:2025

Installation, Inspection and Testing of Intrusion Alarm Systems

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Standard for the Installation, Inspection and Testing of Intrusion Alarm Systems, CAN/ULC 302

Second Edition, Dated October 1, 2014

Summary of Topics

This revision of CAN/ULC 302 dated October 14, 2025 includes the following changes in requirements:

- ***Reference Publication Update: 1.4, Section 2, 3.26, 3.55, 4.1, 6.1.1, 6.1.2, 6.7.7, 6.8.1, 6.10.2, 6.11.1, 10.2.1.2, 10.2.3.1, 10.3.1.1, 10.3.3.1, 10.4.1.1, 10.4.3.1, 10.5.2, 10.6.1.1, 10.6.1.7, 14.1, 15.14.1, B7.3, H3.2, TABLE 2, and TABLE 3***

- ***Remove duplicate lines in TABLE 14 W, X, and Y***

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 new and revised requirements are substantially in accordance with Proposal(s) on this subject dated July 18, 2025.

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CAN/ULC 302:2025

Installation, Inspection and Testing of Intrusion Alarm Systems

ICS 13.310, 13.320, 91.040.20

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PREFACE

This is the Second Edition of CAN/ULC 302, Standard for the Installation, Inspection and Testing of Intrusion Alarm Systems.

This Edition of the Standard was developed by the ULC Standards Subcommittee on Installation, Inspection and Testing of Intrusion Alarm Systems, and was formally approved by the ULC Standards Committee on Security and Burglar Alarm Equipment and Systems.

This Standard has been developed in compliance with the requirements of 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.

The requirements of this Standard contemplate that the installation, inspection and testing procedures described herein shall be conducted by qualified personnel acceptable to the responsible authority. Refer to Appendix A, Qualified Personnel.

Appendices A through H, identified as informative, are 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 is based on, and now supersedes, the First Edition.

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 302 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.

This Standard is intended to be used for conformity assessment.

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1 SCOPE

1.1 This Standard prescribes requirements for:

A The installation of intrusion alarm systems;

B The classification of extent of protection; and

C The testing and inspection of intrusion alarm systems.

1.2 Intrusion alarm systems are categorized by *security level*. They are further grouped as suitable for protection of a particular class of property such as *premises*, *safes*, or *vaults*.

1.3 The selection of *security level* to be applied in a particular case shall be made by the *responsible authority (RA)*.

1.4 For system trouble, service response and guard response, refer to ULC 301, Standard for Signal Receiving Centre Burglar Alarm Systems and Operations.

1.5 Existing intrusion alarm installations shall be deemed compliant with this Standard provided that all of the following are met:

A They were in compliance with the First Edition of CAN/ULC-S302, Standard for Installation and Classification of Burglar Alarm Systems for Financial and Commercial Premises, Safes and Vaults, inclusive of Amendments 1, 2 and 3; and

B The existing *control unit* is not replaced.

2 REFERENCE PUBLICATIONS

2.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

2.2 The following publications are referenced in this Standard:

ASA S1.4 / IEC 61672, *Electroacoustics Sound Level Meters Package*

ASTM F1090, *Standard Classification for Bank and Mercantile Vault Construction*

CSA C22.1-12, *Canadian Electrical Code, Part I, Safety Standard for Electrical Installations*

SIA CP-01, *Control Panel Standard-Features for False Alarm Reduction*

ULC 301, *Signal Receiving Centres Configurations and Operations*

ULC 304, *Control Units, Accessories and Receiving Equipment for Intrusion Alarm Systems*

ULC 306, *Intrusion Detection Units*

ULC-S321, *Burglary Resistant Vault Doors and Modular Panels*

ULC-S330, *Burglary Resistant Night Depositories*

ULC-S332, *Burglary Resistant Glazing Material*

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ULC 529, *Smoke Detectors for Fire Alarm Systems*

ULC 530, *Heat Detectors for Fire Protective Signaling Systems*

ULC/ORD-C634, *Guide for the Investigation of Connectors and Switches for Use with Burglar Alarm Systems*

3 GLOSSARY

Note: Terms used in this Standard that are in *italic print* are defined as follows:

3.1 *ACCESSIBLE OPENING* – An *opening* that is 5500 mm or less above either the ground or the roof of an adjoining building; or 4300 mm or less from directly or diagonally opposite windows, fire escapes, or roofs, or 900 mm or less from *openings*, fire escapes, etc., either in or projecting from the same adjacent wall, leading to other *premises*.

3.2 *ACTIVE COMMUNICATIONS* – A method of communications in which the integrity of the communication channel or channels are continuously monitored so as to identify to the *signal receiving centre* any fault or failure that could affect signal transmission and reception.

3.3 *ALARM SCREEN* – A window screen having a wired protective circuit of wire no larger than 0.13 mm^2 (26 AWG), which will be broken when cutting through the screen to create an *opening* within the protective screen.

3.4 *ARMED* – The state of a security *control unit* or *partition*/area where points/zones of the *partition*/area are fully protected and a transition on these points will result in an alarm from the *partition*/area.

3.5 *ARMING* – Activating a *partition* or all of the protection equipment at a protected *premises*.

3.6 *ARMING LEVEL* – The extent to which an area/*partition* or entire *control unit* is *armed* (protected). *Control units* may include a number of *arming levels*, such as off, stay, on, home, away, etc.

3.7 *AUTO ARMING* – The function of *arming* a security *control unit* or *partition*/area "on site" at a pre-defined time, without user intervention.

3.8 *AUTOMATED BANKING MACHINE (ABM)* – An unattended machine available to the public that will dispense cash, and may also accept deposits or perform other banking functions, when accessed by an authorized user. The cash and deposits are protected by a security container.

3.9 *BREAKABLE* – A *closure* that can be broken by simple means to create an *opening*.

3.10 *BUILDING WALL* – A wall of 200 mm or more in thickness constructed of solid stone or brick bonded with Portland cement mortar or monolithic concrete.

3.11 *BURGLARY RESISTANT GLAZING MATERIAL* – A clear, translucent, or opaque glazing material intended to resist attacks of the "hit and run" type in indoor or outdoor applications, used principally as a substitute for plate glass in *show windows* or show case panels.

3.12 *CASH DISPENSING UNIT (CDU)* – An attended machine, available to authorized employees of a financial institution and not to the public, that will dispense cash, and may also accept deposits or perform other banking functions, when accessed by such authorized persons. The cash and deposit are protected by a security container.

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