UL 2017

STANDARD FOR SAFETY

General-Purpose Signaling Devices and Systems

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UL Standard for Safety for General-Purpose Signaling Devices and Systems, UL 2017

Second Edition, Dated December 23, 2008

Summary of Topics

This revision of ANSI/UL 2017 dated August 19, 2026 includes the following changes in requirements:

– Communication Circuits Section, Standard References; 41.5.1 and Appendix A.

– Remove leakage fail criteria in the Dielectric Voltage-Withstand Test; 39.5.

– Revisions to the Signal Circuit Transients Test and Alternate Method; 70.4.2, 70.4.3, 70.4.2A, Table 70.1, Figure 70.1 – Figure 70.7, 70.4.4 – 70.4.10 and Table 70.2.

– New Type MM (Maintenance Monitored) device or systems; 1.2, Table 4.1, 13.3.1.6, Section 34A, Table 38.1, 43.1, 51.1, 51.5, 52.3, and 83.1.1(e).

– Installation information in electronic format; 84.1, 84.1A, and 84.1B.

– RF tests on products employing spread spectrum technology, or permitting only one device at a time to communicate on the wireless network; 75.2.4, 75.4.1, 75.5.1, 75.6.1, and 75.7.3.

– Withdrawal and replacement of ANSI/ISA MC96.1, Temperature-Measurement Thermocouples; 38.9.

– Jarring Ball Size Discrepancy in 43.2.

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 August 22, 2025 and May 15, 2026.

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The most recent designation of ANSI/UL 2017 as an American National Standard (ANSI) occurred on August 19, 2026. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to ULSE 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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INTRODUCTION

1 Scope

1.1 These requirements cover signaling devices intended for emergency or non-emergency use, used in indoor and/or outdoor locations, and where applicable, installed and used in accordance with the National Electrical Code, NFPA 70.

1.2 Emergency-signaling products covered by these requirements are categorized as indicated below, are associated with property and/or life safety and are of a non-fire/non-security alarm nature. These products are evaluated with regard to product safety and to appropriateness of signaling.

a) Type UM (User-Monitored) devices or systems are intended to be monitored and tested by the user. These devices are intended for household use or are personal signaling devices carried by the user.

b) Type SM (Self-Monitored) devices or systems are intended to be self-monitoring. These devices are intended for, but not restricted to, commercial use.

c) Type AM (Attendant-Monitored) devices or systems are intended to be constantly operated and maintained by competent and experienced personnel, either locally or at a remote station.

d) Residential Water Hazard entrance alarms are devices or systems intended to be installed on gates, doors, or access barriers surrounding residential swimming pools, spas, or hot tubs for the purpose of sounding an audible alarm due to unauthorized entry into these areas.

e) Type MM (Maintenance-Monitored) devices or systems are non-emergency signaling products which are associated with property or life safety.

1.3 Non-emergency-signaling products covered by these requirements are categorized as Type NM (Non-Monitored), are not associated with property and/or life safety, and are only evaluated relative to product safety.

1.4 A product as covered by these requirements consists of a unit assembly of electrical parts having provision for the connection of power supply circuits routed through the equipment by a prescribed scheme of circuiting. Circuits extending from the products connect to separate devices by which the operating part of the product is actuated for signals, and to separate and/or integral devices by which the signals are indicated so as to form a coordinated system combination for definitive signaling services. An installation wiring diagram attached to the product, or referenced in the product marking, indicates the devices and circuits which have been determined to be capable of being used with the product in the field.

1.5 These requirements do not cover the following:

a) Visual signaling appliances as covered by the Standard for Visual Signaling Appliances – Private Mode Emergency and General Utility Signaling, UL 1638;

b) Audible signaling devices not provided as part of the product and covered by the Standard for Audible Signal Appliances, UL 464;

c) Equipment intended for use in fire-protective signaling systems used to detect, monitor, signal, or control a fire condition;

d) Equipment intended for use in security alarm systems used to protect against burglary;

e) Home health-care signaling equipment as covered by the Standard for Home Health-Care Signaling Equipment, UL 1637.

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