



UL 1641

Underwriters Laboratories Inc. Standard for Safety

Installation and Classification of Residential Burglar Alarm Systems



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February 19, 1999

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The most recent designation of ANSI/UL 1641 as a Reaffirmed American National Standard (ANS) occurred on June 3, 2010. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or effective date information. Any other portions of this ANSI/UL standard that were not processed in accordance with ANSI/UL requirements are noted at the beginning of the impacted sections.

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INTRODUCTION

1 Scope

1.1 These requirements apply to the installation of alarm protection products and devices connected to form a residential burglar alarm system.

1.2 These requirements include the criteria for classifying the extent of alarm protection at an individual residence as either basic protection or expanded protection.

1.3 A residential burglar alarm system may or may not have a remote connection to a central station, proprietary station, residential monitoring station, or police station. If there is a remote connection, the signal receiving location shall comply with the requirements in the following standards, as applicable:

- a) The Standard for Central-Station Burglar-Alarm Systems, UL 611;
- b) The Standard for Central-Station Alarm Services, UL 827;
- c) The Standard for Proprietary Burglar Alarm Units and Systems, UL 1076; and
- d) The Standard for Police Station Connected Burglar Alarm Units and Systems, UL 365.

1.4 Alarm systems covered by these requirements have a sounding device that may be mounted indoors or outdoors.

1.5 These systems comply with the requirements for Class 2 remote-control and signal circuits as defined by Article 725 of the National Electrical Code, ANSI/NFPA 70. Systems using both fire and burglary protection operate as defined by Article 760 of the National Electrical Code, ANSI/NFPA 70.

1.6 The requirements assume that standard telephone operating practices may be used for leased or other lines connecting to a police or central station as defined by Article 800 of the National Electrical Code, ANSI/NFPA 70.

1.7 An alarm service that is new or different from that covered in this standard shall be evaluated using the appropriate additional service requirements as determined necessary to maintain the acceptable level of security as originally anticipated by the intent of this standard. A service that conflicts with specific service provisions in this standard cannot be judged to comply with this standard. Where considered appropriate, revised service requirements will be proposed and adopted in conformance with the methods employed for development, revision, and implementation of this standard.

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