

3. Remove all ropes and remove or make inoperative all locks connected to the garage door before installing opener.

4. Where possible, install door opener 7 feet or more above the floor. For products requiring an emergency release, mount the emergency release 6 feet above the floor.

5. Do not connect opener to source of power until instructed to do so.

6. Locate control button: (a) within sight of door, (b) at a minimum height of 5 feet so small children cannot reach it, and (c) away from all moving parts of the door.

7. Install Entrapment Warning Label next to the control button in a prominent location. Install the Emergency Release Marking. Attach the marking on or next to the emergency release.

8. After installing opener, the door must reverse when it contacts a 1½ inch high object (or a 2 by 4 board laid flat) on the floor.

(2) The User Instructions shall include the following instructions:

Important Safety Instructions

Warning—To reduce the risk of severe injury or death:

1. Read and Follow all Instructions.
2. Never let children operate, or play with door controls. Keep the remote control away from children.
3. Always keep the moving door in sight and away from people and objects until it is completely closed. No One Should Cross the Path of the Moving Door.
4. Test door opener monthly. The garage door MUST reverse on contact with a 1½ inch object (or a 2 by 4 board laid flat) on the floor. After adjusting either the force or the limit of travel, retest the door opener. Failure to adjust the opener properly may cause severe injury or death.
5. For products requiring an emergency release, if possible, use the emergency release only when the door is closed. Use caution when using this release with the door open. Weak or broken springs may allow the door to fall rapidly, causing injury or death.
6. Keep Garage Doors Properly Balanced. See owner's manual. An improperly balanced door could cause severe injury or death. Have a qualified service person make repairs to cables, spring assemblies and other hardware.
7. Save These Instructions.

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§ 1211.15 Field-installed labels.

(a) A residential garage door operator shall be provided with labels for field installation and constructed as specified in paragraphs (c) through (i) of this section. The labels shall be acceptable for permanent installation. The

instruction manual shall specify where the labels are to be located.

(b) If labels secured by adhesive are used, the instruction shall specify that an additional mechanical means shall be used to secure the labels to surfaces to which the adhesive will not adhere.

(c) A residential garage door operator shall be provided with a cautionary label intended for permanent installation to identify the possible risk of entrapment. The instruction manual shall direct that the label be affixed near the wall-mounted control button.

(d) The label required in accordance with paragraph (c) of this section shall be in a vertical layout with three panels:

- (1) A signal word panel,
- (2) A pictorial panel, and
- (3) A message panel, with adjacent panels delineated from each other by a horizontal black line. The entire label shall be surrounded by a black border and shall measure at least 5 inches (127 mm) wide by 6¼ inches (159 mm) long overall.

(e) The signal word panel as specified in paragraph (d) of this section shall contain the word "WARNING," in uppercase letters, preceded by a safety alert symbol consisting of an orange exclamation mark on a black solid equilateral triangle background with the point of the triangle oriented upward. The word "WARNING" and the safety alert symbol shall be centered on one line and shall be in black letters at least 7/16 inch (11.1 mm) high on an orange background.

(f) The pictorial panel as specified in paragraph (d) of this section shall be positioned between the signal word panel and the message panel. The pictorial shall be black on a white background and shall clearly depict a child running toward or under a garage door. A red prohibition symbol (slash, oriented from the upper left to the lower right, through a circle) shall be superimposed over, and totally surround, the pictorial. The pictorial shall have an overall diameter of 1-7/8 inch (47.6 mm) minimum.

(g) The message panel as specified in paragraph (d) of this section shall include the following text or an equivalent wording:

§ 1211.16

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(1) Possible Risk and Consequence Statement—“There is a risk of a child becoming trapped under an automatic garage door resulting in severe injury or death.”

(2) Avoidance Statements—

(i) “Do not allow children to walk or run under a closing door.”

(ii) “Do not allow children to operate door operator controls.”

(iii) “Always keep a closing door within sight.”

(iv) “In the event a person is trapped under the door, push the control button or use the emergency release.” For products not having an emergency release use instead “In the event a person is trapped under the door, push the control button.”

(3) Instructions—

(i) “Test Door Operator Monthly: Use a 1½ inch thick object placed on the floor under the closing door. In the event the door does not reverse upon contact, adjust, repair, or replace the operator.”

(ii) Additional instructions on not removing or painting over the label, mounting the label adjacent to the wall control, and mounting the wall control out of children’s reach shall be provided. These additional instruction shall be in less prominent lettering than those in paragraph (g)(3)(i) of this section.

(h) The lettering of the message panel described in paragraph (g) of this section shall be black on a white background and shall be sans serif letters in combinations of upper case and lower case letters. The upper case letters of the Possible Risk and Consequence Statements and Avoidance Statements shall be ⅛ inch (3.18 mm) high minimum. The lettering of the Possible Risk and Consequence Statement shall be in italics, underlined, bold, or the like, and shall be double spaced from the Avoidance Statements. All other instructions shall be in letters less prominent than the Possible Risk and Consequence Statements and shall be separated with at least a single space between individual instructions.

(i) Except for door operators complying with § 1211.9(b), a residential garage door operator shall be provided with a cautionary marking attached to or adjacent at all times to the means

provided to detach the operator from the garage door. The marking shall include the following statement or the equivalent: “If the door becomes obstructed, detach door from operator as follows: (The method to detach the operator shall be shown on the marking.)”

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§ 1211.16 UL marking requirements.

(a) Unless specifically excepted, marking required in this standard shall be permanent. Ink-printed and stenciled markings, decalcomania labels, and pressure sensitive labels are among the types of marking that are considered acceptable if they are acceptably applied and are of good quality.

(b) Except as provided below, a garage door operator shall be plainly marked, at a location where the marking will be readily visible—after installation, in the case of a permanently connected appliance—with:

(1) The manufacturer’s name, trademark, or other descriptive marking by which the organization responsible for the product may be identified—hereinafter referred to as the manufacturer’s name;

(2) The catalog number or the equivalent;

(3) The voltage, frequency, and input in amperes or watts; and

(4) The date or other dating period of manufacture not exceeding any three consecutive months.

(c) The ampere rating shall be included unless the full-load power factor is 80 percent or more, or, for a cord-connected operator, unless the rating is 50 watts or less. The number of phases shall be indicated if an operator is for use on a polyphase circuit. The date code repetition cycle shall not be less than 20 years.

(d) Exception No. 1: The manufacturer’s identification may be in a traceable code if the operator is identified by the brand or trademark owned by a private labeler.

(e) Exception No. 2: The date of manufacture may be abbreviated or in an established or otherwise accepted code.

(f) If a manufacturer produces or assembles operators at more than one factory, each finished operator shall