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AMERICAN NATIONAL STANDARD

FOR

RELEASE DEVICES – CLOSER HOLDER, ELECTROMAGNETIC AND ELECTROMECHANICAL

SPONSOR

BUILDERS HARDWARE MANUFACTURERS ASSOCIATION, INC.

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AMERICAN NATIONAL STANDARD

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FOREWORD (This Foreword is not a part of ANSI A156.15)

The general classification of builders hardware includes a wide variety of items which are divided into several categories. To recognize this diversity, a sectional classification system has been established. Closer Holder Release Devices is one such section and this Standard is the result of the collective efforts of members of the Builders Hardware Manufacturers Association, Inc., who manufacture these products. The total Product Standards effort is, therefore, a collection of sections, each covering a specific category of items.

The BHMA recognizes that errors will be found, items will become obsolete, and new products, methods and materials will be developed. With this in mind, the Association plans to update, correct and revise these Standards on a regular basis.

The BHMA numbers which indicate type of hardware do not identify size, finish or design and are not intended to be used without necessary supplementary information. Users of this Standard who require a specific design for a product type describe it using generic terms or the manufacturer's name and description desired.

TABLE OF CONTENTS

1. SCOPE

1.1 This Standard establishes requirements for door closers combined with hold-open devices or free-swinging door closers combined with releasing devices and includes performance tests covering operational, cyclical and finish criteria.

1.2 Tests described in this Standard are performed under laboratory conditions. In actual usage, results vary because of installation, maintenance and environmental conditions.

1.3 Instructions shall be included with the product requiring the end users to, (1) test the product after installation in accordance with the manufacturer's criteria, (2) periodically test the products in conjunction with the fire alarm system and, (3) maintain the door closing system in working order.

2. DEFINITIONS

2.1 **Adjustable Backcheck** A cushioning feature of a door closer becoming effective between 60 and 85 degrees of door opening.

2.2 **Closer Holder Release Device** A floor, door or header mounted closing device connected with separate or integral releasing and fire or smoke detecting devices.

2.3 **Electro-Magnetic or Electro-Mechanical Release Device** A wall, floor or door mounted appliance that releases doors from an open position for simultaneous closing upon signal from a smoke detector or other source.

2.4 **Free Swinging Release** A function where the opening and closing control of a door closer is de-energized until a signal is received from a smoke detector or other source when the closer then performs its normal function and closes the door.

2.5 **Hold-Open** In this Standard, a device used in connection with a door closing device holding the door in an open position against the closing force.

2.6 **Multiple-Point Hold-Open** A hold-open device holding the door in more than one hold-open position without manual adjustment. (Consult manufacturer's catalogs for ranges of hold-open points available.)

2.7 **Single-Point Hold-Open** A hold-open device holding the door open in one selective position.

3. GENERAL

3.1 These products shall allow swinging doors to close upon receiving a signal in fire or smoke emergencies.

3.2 Upon activation by a signal to the hold-open or free swinging release device, the door shall become self-closing.

3.3 These products shall have been tested and listed for use on fire door assemblies by a Nationally Recognized Testing Laboratory (NRTL) and shall be under a follow-up in-plant inspection service.

3.4 These products with electrical components shall have been tested and listed by a NRTL and shall be under a follow-up in-plant inspection service. Holders are available in 115 volts AC, 24 volts AC or DC and 12 volts AC or DC. Consult manufacturer's catalogs.

3.5 Electrical wiring of these products shall be in accordance with the National Electrical Code (ANSI/NFPA 70) for the appropriate class of circuit.