

**ANSI/BHMA A156.24-2018**

Revision of BHMA A156.24 - 2012



**STANDARD**

**FOR**

**DELAYED EGRESS LOCKING SYSTEMS**



**SPONSOR**

**BUILDERS HARDWARE MANUFACTURERS ASSOCIATION, INC.**

**AMERICAN NATIONAL STANDARDS INSTITUTE**

**Approved March 29, 2018**

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Published by  
**BUILDERS HARDWARE MANUFACTURERS ASSOCIATION, INC.**  
355 Lexington Avenue, New York, New York, 10017

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Printed in the US

This Standard was developed by the Builders Hardware Manufacturers Association, Inc. It was approved by ANSI under the canvass method. BHMA was accredited on 21 March 1983 as a sponsor using the Canvass Method.

## **FOREWORD** (This Foreword is not a part of ANSI/BHMA A156.24)

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. This Standard is the result of the collective efforts of members of the Builders Hardware Manufacturers Association, Inc. (BHMA) who manufacture these products. The total Product Standards effort is therefore, a collection of sections, each covering a specific category of items.

Strength, cycle, and operational tests have been established to insure safety and stability to which the public is entitled. There are no restrictions on design.

This Standard is not intended to obstruct but rather to encourage the development of improved products, methods and materials. BHMA recognizes that errors will be found, items will become obsolete, and new products and methods will be developed. With this in mind the Association plans to update, correct and revise these Standards on a regular basis. It shall also be the responsibility of manufacturers to request such appropriate revisions.

The BHMA numbers that indicate functions of delayed egress locking systems do not identify size of design and are not intended to be used without necessary supplementary information. Individual manufacturer's catalogs should be consulted.

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## 1. SCOPE

1.1 This standard covers products used in connection with conventional exit devices or locks causing the doors to remain locked after releasing actuation for a predetermined length of time. Performance criteria are included for functional, cycle, operational, fail-safe and overload requirements.

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

## 2. DEFINITIONS

2.1 **Delayed Egress Locking Systems** A delayed egress locking system consists of a device or combination of devices arranged to be locked in the direction of egress for a predetermined time after the normal releasing process has been initiated. After the predetermined time, the door allows egress.

2.2 **Irreversible Process Period** The amount of time from the application of force with the intent to open the door until the device is unlocked in the direction of egress. It is preset, normally at 15 or 30 seconds, as permitted by the AHJ.

2.3 **Loss of Power** Electrical power failure or voltage drop in the building or at the delayed egress locking system to the extent that the lock will release.

2.4 **Nuisance Alarm** The period of time, of no more than 3 seconds which when removal of the force will cease the irreversible process period. It deters initiating the irreversible process of delayed egress in the event of accidental bumping of the door or actuating device.

2.5 **Rated Line Voltage** The operating voltage specified by the manufacturer of a delayed egress locking system for that lock.