

ANSI/BHMA A156.38-2014



AMERICAN NATIONAL STANDARD

FOR

LOW ENERGY POWER OPERATED SLIDING AND FOLDING DOORS



SPONSOR

BUILDERS HARDWARE MANUFACTURERS ASSOCIATION, INC.

**Approved by the American National Standards Institute
August 15, 2014**

AMERICAN NATIONAL STANDARD

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FOREWORD (This Foreword is not a part of ANSI/BHMA A156.38)

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. Power Operated Doors is one such section and this Standard is a result of the collective efforts of members of the Builders Hardware Manufacturers Association, Inc. who manufacture this product. The total Product Standards effort is, therefore, a collection of sections, each covering a specific category of items.

Performance tests and, where necessary, dimensional requirements have been established to ensure a degree of safety. There are no restrictions on design except for those dimensional requirements imposed for reasons of safety.

This Standard is not intended to obstruct but rather to encourage the development of improved products, methods and materials. 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. It shall also be the responsibility of manufacturers to request such appropriate revisions.

TABLE OF CONTENTS

| | | |
|----|---|-------------------------------|
| 1. | GENERAL | 5 |
| 2. | DEFINITIONS..... | 6 |
| 3. | REQUIREMENTS FOR LOW ENERGY POWER OPERATED SLIDING DOORS | 7Error! Bookmark not defined. |
| 4. | REQUIREMENTS FOR LOW ENERGY POWER OPERATED FOLDING DOORS | 7 |
| 5. | CYCLE TESTS..... | 8 |
| 6. | SIGNS..... | 9 |
| | APPENDIX A (not a part of ANSI/BHMA A156.38) | 9 |

1. GENERAL

1.1 Requirements in this Standard apply to low energy power operated sliding and folding door systems for pedestrian use, and some small vehicular use. The activation of all doors described in this standard requires a knowing act. Included are provisions intended to reduce the chance of user injury or entrapment.

1.2 Doors that require higher speeds, forces, shorter time delays, and activating sensing devices shall comply with ANSI/BHMA A156.10 for Power Operated Pedestrian Doors and are not covered in A156.38.

1.3 This Standard does not attempt to assess any factors that exist with respect to custom design installations which are not required to meet the requirements of this Standard.

1.4 Unless otherwise specified, all references to time delay, opening speed and forces in this standard, refer to the operator in the power mode as opposed to the manual mode.

1.5 Required dimensions are expressed in US units first and the SI (metric) equivalents given in parentheses are approximate. All values which do not carry specific tolerances or are not marked maximum or minimum shall have the following tolerances: Linear dimensions shall be $\pm 1/16$ in (1.6 mm). Pounds or pound force shall be $\pm 5\%$. Angular measurements shall be ± 4 degrees. Voltage measurements shall be ± 5 percent. Temperature measurements shall be ± 4 degrees F (± 2 degrees C).

1.6 Compliance with the requirements of this standard shall be accomplished through factory settings or field adjustments as necessary.

1.7 Operators used on labeled fire door assemblies shall be listed or labeled by a nationally recognized independent testing laboratory, and be subject to a periodic in-plant follow-up service. Consult the authority having jurisdiction for the appropriate fire test requirements.

1.8 Refer to applicable building codes for means of egress clear width requirements, and knowing act device locations.