



Series 1800 Door Closer

Fixed Spring Power – Surface Mounted Grade 1

Part 1 GENERAL

1.1 SECTION INCLUDES

- A. Series 1800 Grade 1, Door Closer with Optional Dress Cover
- B. Features:
 - 1. ADA (Handicap) multi-sized closer with fixed spring power
 - 2. Narrow design permits installation on most glass and aluminum doors with adapters
 - 3. Standard application for regular arm and Top Jamb installation; optional parallel arm installation (requires optional PA bracket)
 - 4. Two speed control valves allow closing and latching speeds to be controlled by separate valves; fully adjustable after installation or Three valves with optional back-check)
 - 5. Stable hydraulic door check fluid for any climate operation. Using a fire resistant oil with an operating range from -43.6°F (-42°C) to 140°F (60°C)
 - 6. Numerous accessories are available to allow for special installations or adaptability
 - 7. Optional high impact molded PVC Dress Cover (Slim or Full style)
 - 8. Finishes available in Aluminum (AL) and Storefront Bronze (DU)
 - 9. Range of sizes – Standard: 1852, 1853, 1854 and 1855
Back-Check: 1882, 1883, 1884 and 1885
 - 10. Optional Features:
 - Slime or Full Plastic Cover
 - Hold-Open Arm
 - Drop Plates
 - Sex Nuts and Bolts

1.2 REFERENCES

- A. ANSI A117.1 – Barrier Free Operation to comply with Federal Accessibility Standards (ADA)
- B. ANSI A156.4 – Meets or exceeds compliance for Grade 1
- C. Underwriters Laboratories (UL/C) listed – Fire Resistance Directory

1.3 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations
 - 2. Storage and handling requirements and recommendations
 - 3. Installation methods

- B. Shop Drawing: Manufacturer's approved drawings detail the application
- C. Section Samples: Samples are available depicting the finish types
- D. Verification Samples: For the finish product specified, two full size samples representing the actual product, color and size

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Series 9000 will be provided by a single manufacturer with over 30 years of experience in door closers

1.5 DELIVERY, STORAGE AND HANDLING

- A. Store products in manufacturer's unopened packing until ready for installation
- B. No harsh chemicals are used during this process, so no special handling or disposal is required

1.6 PROJECT CONDITIONS

Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by the manufacturer for optimum results. Do not install this product if environmental conditions are outside the manufacturer's limits.

1.7 WARRANTY

After project completion, the owner or owner's representative will receive a copy of the Manufacturer's Limited Warranty against manufacturing defects. The duration of this warranty is 5 years.

PART 2 PRODUCTS

2.1 MANUFACTURER

International Door Closers, Inc (Manufacturers' Rep): www.intldoorclosers.com

1140 N Kraemer Pl, Anaheim, CA 92806 - (800) 544-4422
 1920 Air Lane Dr, Nashville, TN 37210 - (800) 225-6737

2.2 DOOR CLOSER

Series 1800
 Fixed Spring Power – Surface Mounted

| <u>Description</u> | <u>w/Dress Cover</u> |
|---------------------------|--|
| Length of Closer Body | Size 2 & 3 8-7/8" Size 4 & 5 9-3/4" |
| Horizontal Mounting Holes | Size 2 & 3 8-3/16" Size 4 & 5 9-1/16" |
| Vertical Mounting Holes | 3/4" |
| Height of Closer | 1-31/32" |
| Projection from Door | 2-29/32" |

PART 3 EXECUTIONS

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared
- B. If the substrate is the responsibility of another installer, notify the Architect of any unsatisfactory preparation before proceeding

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions

3.4 PROTECTION

- A. Protect installed products until completion of project
- B. Repair or replace any damaged products before substantial completion

END OF SECTION