



# Series 400BF Handicap and Standard Concealed Overhead Door Closer with Adjustable Spring Power

## Part 1 GENERAL

### 1.1 SECTION INCLUDES

- A. Series 400BF Door Closer Standard and Handicapped approved (UL listed)
- B. Features:
  - 1. ADA (Handicap) multi-sized closer
  - 2. Adjustable spring power for a range of sizes from 5 lbs of opening force to light spring tension and fully adjustable after installation
  - 3. Stable hydraulic fluid for any climate operation. Using fire resistant fluid with an operating range from -43.6°F (-42°C) to 140°F (60°C).
  - 4. Fits in an aluminum header or transom bar as small as 1 3/4" x 4"
  - 5. Two adjustment valves allow closing and latching speeds to be controlled by separate valves; fully adjustable after installation
  - 6. This unit can be mounted on Center Hung Doors and Offset Hung Doors.
    - Center Hung Doors:** Complete units for aluminum doors and frames are furnished with top arm assembly (adjustable "S" side loading, "A" end loading, "K" end loading, or "PT" end loading), adjustable dual purpose radial ball bearing (3010-DP) bottom pivot set for floor or threshold mounting, and (3010-FS) anchor set with all fasteners
    - Offset Hung Doors:** Complete units for offset pivoted or butt hinged aluminum doors and frames are furnished with a "JO" or "VO" type offset arm and 3010-DP anchor set with all fasteners.
  - 7. Positive centering for alignment and to hold door closed against any normal wind or draft
  - 8. Adjustable dual purpose Bottom Pivot set is standard. Adjustable Floor and Threshold mount Bottom Pivots sets are optional
  - 9. Built-in positive back stop and hold-open positions available, see paragraph 2.2.2 below.

### 1.2 REFERENCES

- A. ANSI A117.1 – Barrier Free Operation to comply with Federal Accessibility Standards (**ADA**)
- B. UL 10C and UBC 7-2 (1997) Fire Safety and Fire Endurance tested
- C. Underwriters Laboratories (UL/C) listed – Fire Resistance Directory

### **1.3 SUMITTALS**

- 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 400BF 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 of (5) years against manufacturing defects.

## **PART 2 PRODUCTS**

### **2.1 MANUFACTURER**

International Door Closers, Inc (Manufacturer's Rep.) with locations:

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 400BF, Concealed Overhead – Built-in positive back stop and hold-open positions available Suitable for both Center Hung (Double or Single Acting) and Offset Doors.

Model #410 - 130° Back Stop with 105° Hold-Open  
Model #412 - 130° Back Stop with 90° Hold-Open  
Model #413 - 130° Back Stop - no Hold-Open

## **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 results 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**