



# 1490 / 2490 Spacesaver® Series Bolt Lock

Protected by one or more of the following U.S. Patents: 4,021,065 4,634,155 4,099,752

## Part 1 GENERAL

### 1.1 SECTION INCLUDES

#### A. Application:

- The 1490/2490 Spacesaver® Series Bolt Locks are for access control applications
- Extra Narrow applications
- Fully concealed and easily installed in 1.5" (38.1mm) frame or door stile
- Use on interior and exterior doors where the use of an electric bolt lock is applicable

#### B. Features:

1. 1490A/2490A Series are Dual Failsafe or Failsecure
2. Three point installation
3. Bolt design insures strength up to 25,000 lbs.
4. Bolt has a hardened magnetic core which is resistant to metal cutting saws
5. Field adjustable auto-relock switch

#### C. Specifications:

1. Face Plate: 8"L x 1.25"W x 1.25"D (203.3 x 31.75 x 31.75mm)
2. Strike: 4"L x 1.5"W x 0.125"D (101.6 x 38.1 x 31.75mm)
3. Frame Inner Dimension Requirements: 8"L x 1.5"W x 1.375"D (203.2 x 38.1 x 34.92mm)
4. Frame Inner Dimension Requirements for 2090A: 10"H x 1.5"W x 1.5D (254 x 38.1 x 38.1mm)
5. Bolt Material: Stainless Steel
6. Bolt Diameter: 0.625" (15.875mm)
7. Bolt Throw: 0.5" (12.7mm)
8. Mounting Tabs: Two aluminum mounting tabs are provided for easy lock installation
9. Dual Voltage Coil: (1490A) 0.4.5Amp @ 24VDC Continuous Duty  
(2490A) 0.9Amp @ 24VDC Continuous Duty

#### D. Options:

1. Magnetic Bolt Status Switch, SPDT 0.25 Amp @ 30VDC
2. Mechanical Door Position Switch, SPDT 5 Amp @ 30VDC
3. Rectifier for AC operation

## **1.2 PERFORMANCE SPECIFICATIONS**

1. Classified in accordance with Uniform Building Code standard 7-2, Fire Test for Door Assemblies

## **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: 1490/2490 Spacesaver® Bolt Locks 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):

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

## **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**