



MSB550 MECHANICAL SWITCH BAR

Part 1 GENERAL

1.1 SECTION INCLUDES

A. Features:

1. Non-Latching Push Bar for Magnetic Lock Release, Delayed Egress Trigger, Access Control Request-to-Exit, Alarm Shunt and CCTV or Alarm Activation
2. Modern flat touch bar panic exit device. This series offers durability, safety and meets the security demand and access control needs of today.
3. MSB550 design has a narrow profile with minimum projection from the door of only 1.875" (47mm). The unobstructed design is ideally suited for aesthetically superior glass openings
4. The MSB550 is economical alternative to sensor activated bars
5. It is designed to release electromagnetic door locks for uninhabited egress
6. The MSB550 has a maximum movement of only .125" (3.2mm). Trigger activation to release the Electromagnetic lock is quick and quiet
7. Standard length for 36" door and PT-2U Power Transfer included
8. Made in the USA

B. Additional styles:

MSB550V – 628 Aluminum Anodize
MSB550Y – 335 Black Anodize
MSB550C – 605 Polished Brass
MSB550S – 629 Polished Stainless Steel
MSB550U – 630 Brushed Stainless Steel

C. Specifications:

Voltage Input: 12/24VDC Voltage sensing. No field adjustment
Current: 20mA at rest, 115 mA active
Output: Two SPDT Dry contacts. 3 Amp @ 28VDC
Operating Temp: 0° to 150°F (-18° to 65°C)
Height: 2.375" (60.3mm)
Depth: 1.875" (47.6mm)
Width: 36" (914mm) Standard
42" (1,067mm)
48" (1,219mm)

May be field cut to length
Activation Force Factory Set: 5lbs (2.2Kg)
Field Adjustable: Up to 15lbs (6.8Kg) max

1.2 CERTIFICATIONS

- A. Underwriters Laboratories (UL/cUL) Access Control System Burglary Resistant Electronic Lock
- B. CSFM Listed – Exit Door Accessories

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: MSB550 will be provided by a single manufacturer with over 30 years of experience in door closers and Made in the USA

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