

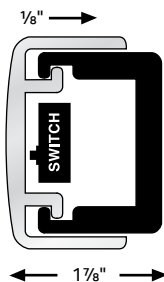
# MSB550 Series

## Mechanical Switch Bars



Building codes essentially state that egress through access controlled doors must not require prior knowledge of operational requirements. Meeting this criteria, SDC's **MSB550** is designed to release electromagnetic door locks for uninhibited egress. When slight pressure is applied a microswitch is actuated, immediately releasing the electromagnetic door lock. **The MSB550 series bars are an economical alternative to sensor activated bars.**

**The MSB550 series uses heavy duty aluminum extrusion and metal caps.** The mounting assembly is all metal, and no plastic. The rigid construction prevents any malfunction due to sagging or warped doors or tweaked glass door stiles. With a maximum total bar movement of only  $\frac{1}{8}$ " , trigger activation to release the electromagnetic lock is quick and quiet.



**Only  $\frac{1}{8}$ " movement for quick, quiet operation**

The smallest profile in the industry to provide ample clearance for egress and maintain superior aesthetics of high profile openings.



### MODELS

**MSB550** Mechanical Switch Bar

**MSB550-2** Dual Mechanical Switch Bar

**MSB550-2W** Dual Mechanical Switch Bar, Weatherized



### STANDARD FEATURES

- $\frac{1}{8}$ " total bar movement
- Quick and quiet operation
- Heavy duty aluminum extrusion
- Metal end caps
- High traffic use
- Narrow, low-profile
- One output
- Power transfer loop included (PT-2U)
- Easy installation and troubleshooting
- Additional switch for dual-failsafe redundant operation, alarm shunt or monitoring output\*
- Weather resistant, water sealed switches for outdoor use\*\*

\* MSB550-2 and MSB550-2W models only.

\*\* MSB550-2W models only.



## APPLICATIONS

### EASY INSTALLATION & TROUBLESHOOTING

Wires plug into the PC board after the bar is mounted and the extruded cover slides on easily after the wire connections are made. For quick and easy servicing, the extruded cover slides off without removing the bar from the door exposing all internal parts.

### NARROW, LOW PROFILE

The MSB550 series has a narrow profile with minimum projection from the door of only 1 7/8". The unobtrusive design is ideally suited for aesthetically superior glass openings.

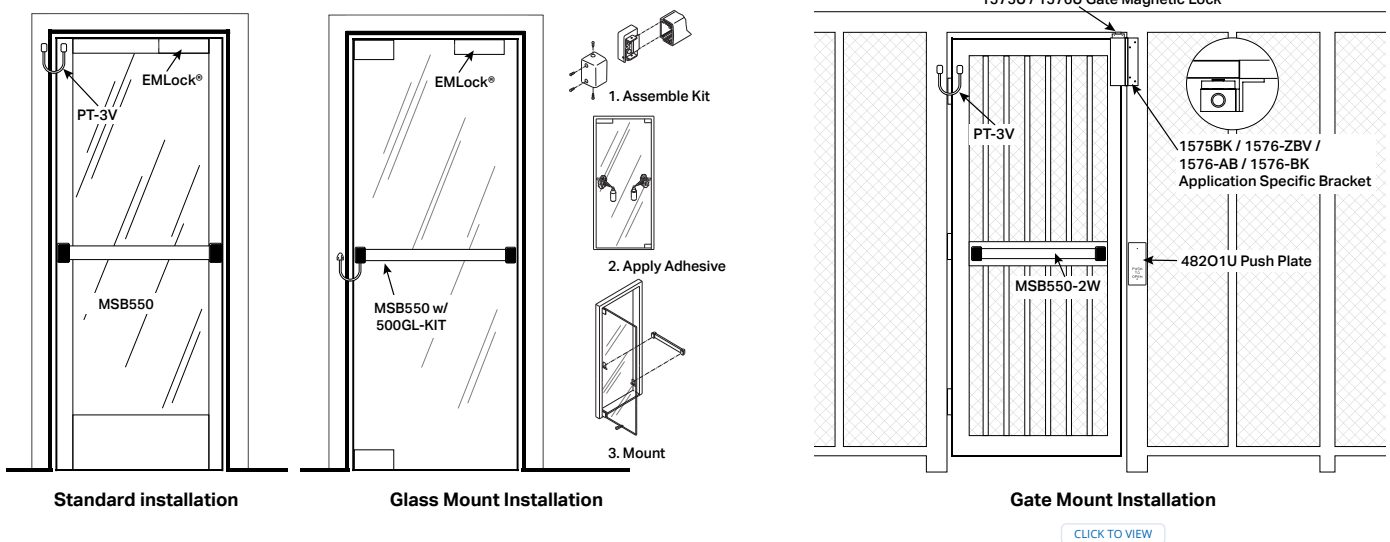
\* Optional features, must be specified.

### SECOND SWITCH OUTPUT\*

Two dry contacts for lock release, dual-failsafe redundant operation, request-to-exit, alarm shunt, alarm activation or CCTV activation.

### WATER SEALED SWITCHES\*

The MSB550-2W features a high-quality, watertight miniature snap action switch with a monoblock construction, ensuring high sealing capacity. Switch body meets IP67 (IEC 529) requirements. The MSB550W's watertight switches make it a perfect companion for outdoor gate solutions.



## SPECIFICATIONS

	MSB550	MSB550-2	MSB550-2W
<b>Contact</b>	SPDT 5 Amp @ 30 VDC Resistive	SPDT (2) 5 Amp @ 30 VDC Resistive	SPDT (2) 3 Amp @ 30 VDC Resistive
<b>Operating Environment</b>	Indoor	Indoor	Outdoor
<b>Operating Temperature</b>	-----	-----	-40°F to 185°F
<b>Door Width</b>	36", 42", 48" (May be field cut)	36", 42", 48" (May be field cut)	36", 42", 48" (May be field cut)
<b>Door Stile</b>	Narrow or Wide	Narrow or Wide	Narrow or Wide
<b>Projection</b>	1 7/8"	1 7/8"	1 7/8"
<b>Weight</b>	6.5 lbs	6.5 lbs	6.5 lbs



## CERTIFICATIONS

UL 294 Access Control System Units

CSFM Listed 3773-0324:106

UL 1034 Burglary-Resistant Electric Locking Mechanisms



## HOW TO ORDER

### FOLLOW STEPS FOR ORDERING

Designates optional step

<p><b>1  SPECIFY MODEL</b></p> <p><b>MSB550</b> Mechanical Switch Bar</p> <p><b>MSB550-2</b> Dual Mechanical Switch Bar</p> <p><b>MSB550-2W</b> Dual Mechanical Switch Bar, Weatherized</p>	<p><b>3  SPECIFY LENGTH*</b></p> <p><b>36</b> 36" Door Opening </p> <p><b>42</b> 42" Door Opening</p> <p><b>48</b> 48" Door Opening</p> <p><small>* May be field cut.</small></p>
<p><b>2  SPECIFY FINISH</b></p> <p><b>V</b> 628 Dull Aluminum </p> <p><b>Y</b> 335 Dull Black</p> <p><b>S*</b> 629 Bright Stainless</p> <p><b>U*</b> 630 Dull Stainless</p> <p><small>* Not available for MSB550-2W models</small></p>	

STEP NUMBER:	1	2	3
ORDERING EXAMPLE:	<b>MSB550-2W</b>	<b>V</b>	<b>42</b>



## RELATED PRODUCTS

**500GL-KIT** Single Bar Glass Door Mounting Kit and Adhesive for 8-10 Bars

**500GL-MB** Single Bar Glass Door Mounting Kit, No Adhesive

**500-SK** Shim Kit

## COMPONENT CONSIDERATIONS

### ELECTROMAGNETIC LOCKS

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SDC's magnetic Locks are suited for interior doors, perimeter exit doors and entrances that require failsafe emergency release capability. Our patented EMLock® design represents the pinnacle of magnetic lock evolution featuring a variety of options for any application. Our Excel™ series of value magnetic locks are designed for system integrators, distributors, and installers using low-cost import. The interlocking EZ mount assembly leaves hands free for wiring and securing of mounting screws.

### POWER TRANSFER DEVICES

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Electrified power transfer hinges (PTH Series), loops (PT Series), and mortise devices (PTM Series), provide both surface and concealed methods for running wires from the frame to transfer power and monitoring signals to doors equipped with electric locks and exit devices. Wireless power transfer devices (WPT Series), wirelessly transfer power and monitor latch bolt status, REX or data signals to electrified locks and latches.

### KEYPADS & READERS

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SDC has a variety of digital keypad and proximity card access control systems equipment to meet any need. SDC's access control keypads & readers are engineered to provide real-world door control of a single opening up to 100 doors, as indoor, outdoor, and PC-based systems, while ensuring fire and life safety code compliance along with superior expandability and flexibility in authorization identification, authentication, access approval, and accountability of entities through login credentials.

### POWER CONTROLLERS

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SDC access control power supplies have been developed specifically to support access controls and electric locking hardware. They are UL listed and provide filtered and regulated linear DC power, with optional control logic, component interface, alarm interface and battery back-up to meet the requirements of single and multiple access-controlled openings. The circuitry design is ideal for the inductive loads generated by access control hardware for high performance and longevity.

