

Electromechanical Push Bars

Installation Manual



SD-961B-36GSQ shown



Model	Solenoid	Operating voltage	Color
SD-961A-36GQ	No	N/A	Silver
SD-961B-36GQ	No	N/A	Black
SD-961D-36GQ	No	N/A	Dark bronze
SD-961A-36GSQ	Yes	12~24 VAC/VDC	Silver
SD-961B-36GSQ	Yes	12~24 VAC/VDC	Black
SD-961D-36GSQ	Yes	12~24 VAC/VDC	Dark bronze

ENFORCER Electromechanical Push Bars feature a double-locking spindle for stronger and more secure locking. All models include a cylinder lock for keyed entry and some models offer solenoid-actuation to allow unlocking and relocking by an access control device.

- Double-locking spindle (stronger and more secure)
- Available in manual or solenoid-actuated versions
- Solenoid rated for both continuous and intermittent operation
- Aluminum alloy construction in a reversible, non-handed design
- Fail-Secure operation (but can be opened from inside by pressing the bar)
- Lock status monitoring for returning status to the access control system
- Mortise lock cylinder and keys included to release the lock from the outside
- Dogging latch on push bar to hold open
- Includes all needed hardware for typical installations

Parts List

1x Push bar	2x Flat-head screws	1x Dogging keyhole cap	1x Dogging key
1x Mounting template	4x Round-head screws	4x Mounting screw caps	1x Manual

Strike Assembly

1x Strike plate	2x Strike spacers	1x Flat-head wood screw	1x Hex tool
1x Hex wrench	2x Blind nuts	2x Flat-head machine screws	

Lock Assembly

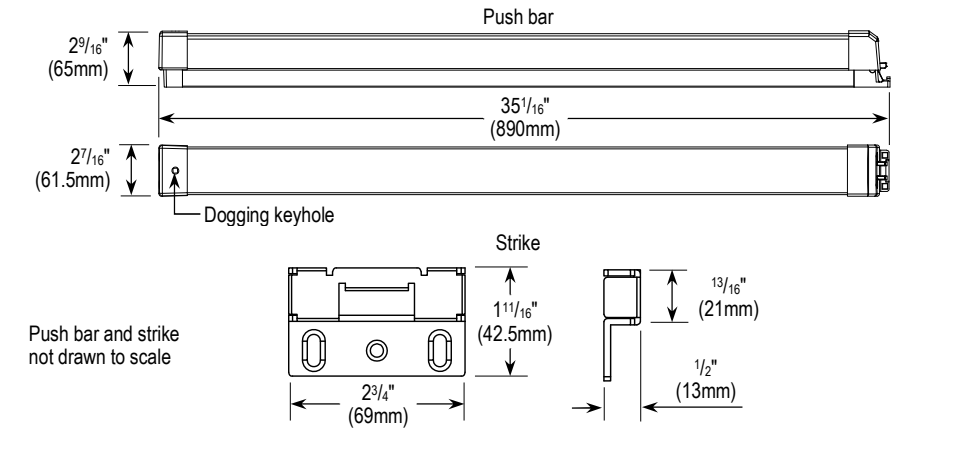
1x Lock cylinder	2x Screws	1x Cylinder plate	1x Cylinder guard	3x Keys*
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*No replacement keys available. Please keep a backup key in case of loss.

Specifications

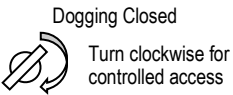
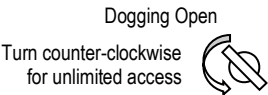
Model	SD-961A-36GQ	SD-961B-36GQ	SD-961D-36GQ	SD-961A-36GSQ	SD-961B-36GSQ	SD-961D-36GSQ
Operating voltage	N/A			12~24 VAC/VDC		
Current draw	N/A			1.5A@12VDC, 0.5A@12VDC after 3 seconds		
Entrance	External keyed lock			External keyed lock or access device		
Endurance	N/A			Over 500,000 cycles		
Contact load	5A@125VAC					
Output	Form "C" (NO/NC/COM) door monitor					
For doors	36" (91.5cm), minimum 32 ⁷ / ₈ " (83.5cm), wood or metal, non-handed					
Latch	Double locking spindle					
Color	Silver	Black	Dark bronze	Silver	Black	Dark bronze
Material	Anodized aluminum					
Dimensions	2 ⁷ / ₁₆ "x2 ⁹ / ₁₆ "x35 ¹ / ₁₆ " (61.5x65x890 mm)					
Weight	5-lb 10-oz (2.56kg)			6-lb 6-oz (2.88g)		

Overview



Dogging the Push Bar

Remove dogging keyhole cover and insert dogging key.



Installation

Please read the entire manual carefully before beginning installation

1. Measure and draw a horizontal line on the inside of the door 40" (102cm) above the floor or according to local regulations. This will be the push bar centerline.
2. Use the supplied metal template to mark lines for cutting away the stop for the strike assembly and all mounting holes and lock cylinder holes. Measure carefully to mark the two holes away from the locking mechanism, noting the different spacings (see Fig. 1).
3. Drill $\frac{3}{16}$ " (4mm) mounting holes and other holes in the door and install lock assembly, ensuring the spindle extends at least $\frac{3}{16}$ " (5mm) (see Fig. 2 for metal doors and Fig. 3 for wood doors).
4. Remove end cap screws and remove end caps. Slide the push bar off the base to access the terminals.
5. Thread the wiring through the wiring hole near the terminals. Install the push bar base (see Fig. 4) and connect wiring (see *Sample Application and Wiring Diagram* on pg. 4). Slide the push bar back into place and replace the end caps.
6. Drill the two blind nut holes, precisely $\frac{1}{4}$ " (7mm), for the strike assembly (see Fig. 5).

NOTE: The holes must be drilled to the precise size.

7. Insert a blind nut, put the washer on the hex screw followed by the hex tool (see Fig. 6). Turn the screw by hand into the blind nut. Use a wrench to hold the hex tool and slowly tighten the hex screw with the included hex wrench until it becomes difficult to turn. This compresses the blind nut so that it remains permanently fixed. Remove the hex screw and hex tool and repeat for the other blind nut.

Fig. 1

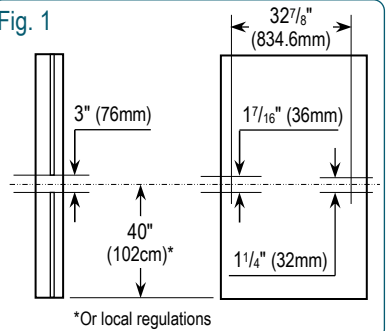


Fig. 2

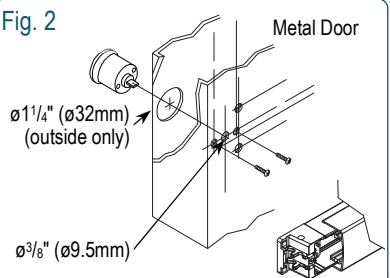


Fig. 3

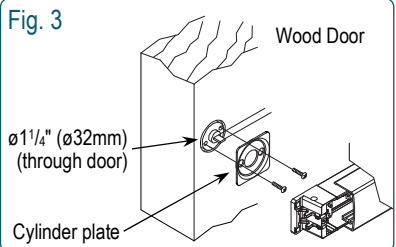


Fig. 4

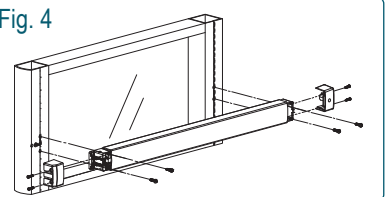


Fig. 5

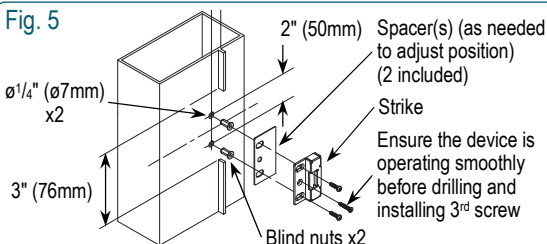
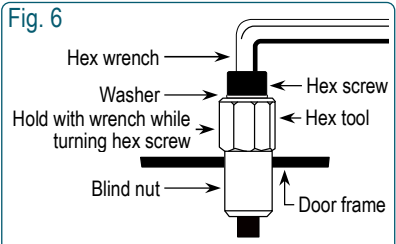
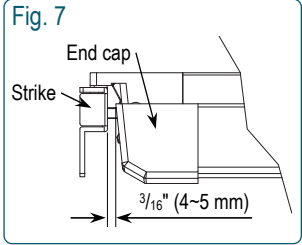


Fig. 6

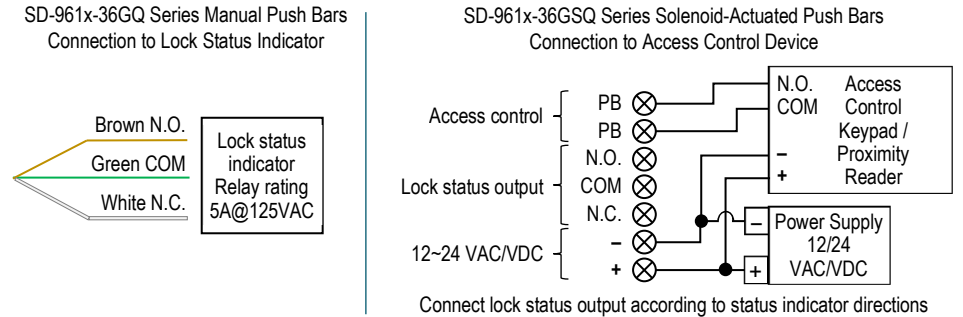


Installation (Continued)

- 8. Install the strike assembly as shown in Fig. 5 on pg. 3. Ensure a 3/16" (4~5 mm) gap between the strike assembly and end cap (see Fig. 7). Use included spacers as needed.
- 9. Ensure the push bar and strike are operating smoothly and the locking spindle teeth fully engage the strike before tightening the two main strike assembly screws. Drill and install the middle screw as the final step (see Fig. 5 on pg. 3).



Wiring Diagram



When connecting solenoid-actuated models to an access control system or a control device, note that the latch retraction duration is controlled by the connected N.O. switch.

Troubleshooting

Bar does not unlock when triggered (models with solenoid)	• Check the input voltage (12~24 VAC/VDC) • Check that the trigger switch is operating properly
Buzzing sound when activated (models with solenoid)	• This may sometimes result when using AC voltage. Change to DC if it persists
Device does not unlock	• Check back pressure on latch and adjust

WARNING: The push bar is not weatherproof. Do not mount on exterior surface or where exposed to rain.

IMPORTANT: The height at which the push bar is mounted may be subject to local regulations. It is the responsibility of the installer and/or end-user customer to ensure the push bar meets all local regulations regarding the use of push bars for access security, including height, suitability for doors accessed by disabled persons, and suitability for fire doors (the push bar is not fire-rated).

IMPORTANT: Users and installers of this product are responsible for ensuring that the installation and configuration of this product complies with all national, state, and local laws and codes. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or codes.

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