ENFORCER®

Push-to-Exit Bar

Installation Manual



SD-961A-36 shown

Model	Relays	Push Bar Finish
SD-961A-36	2x Momentary dual-contact (NO/NC/COM): 5A@24VAC/VDC	Silver aluminum
SD-961B-36	2x Momentary dual-contact (NO/NC/COM): 5A@24VAC/VDC	Black

The ENFORCER Push-to-Exit Bars are designed to allow exit from inside an area normally locked by an electromagnetic lock, and to disarm or trigger an alarm when the door is opened. Now available with either brushed aluminum or black finish.

- Two built-in non-latching (momentary) dual-contact switches, NO/NC/COM (SPDT): 5A@24VAC/VDC
- Pushing the bar at any point will send a signal to release the lock and/or sound an alarm
- End caps come off and go on in seconds
- For 36" doors (actual length: 34 1/2")
- Designed for easy cutting in field to match width of non-standard-sized doors
- Rugged, heavy-duty construction
- Attractive silver or black aluminum bar with black base and trim
- Mounting hardware included for metal or wood doors
- Includes: Armored Door Cord
- Not weatherproof. Do not mount on exterior surfaces or where exposed to rain.

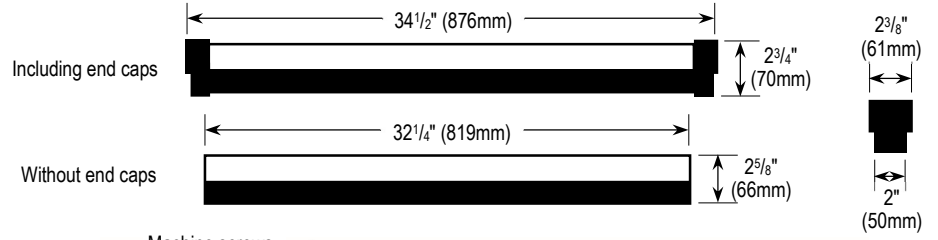
Parts List

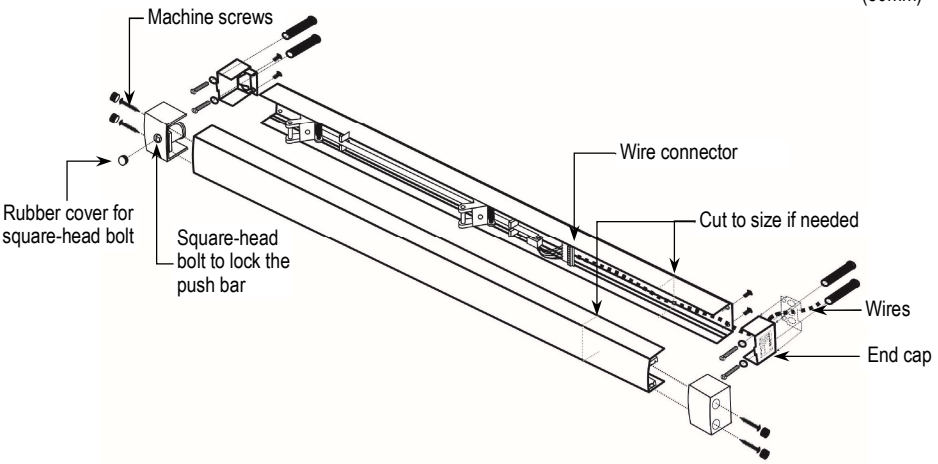
1x **Push bar**	4x **Locking washers**	1x **Key**	4x **Small plastic caps**
4x **Sex bolts**	1x **Large plastic cap**	4x **Machine screws**	4x **Wood screws**
1x **Armored door cord**		1x **Manual**	

Specifications

Output	**Contacts type**	2x NO/NC/COM (SPDT)
	Contacts rating	5A@24VAC/VDC
	Duration	Momentary
Doors	**Size**	For 36" doors but can be cut to fit (actual length: 34 1/2")
	Material	Wood or metal
	Handed	Non-handed, reversible
Operating temperature		32°~120° F (0°~49° C)
Material	**Push bar**	Brushed aluminum
	Base	Aluminum alloy
	End cap covers	Plastic
Dimensions		34 1/2"x2 3/4"x2 3/8" (876x70x61 mm)
Weight		7-lb (3kg)

Overview





Installation

1. Remove the two end-cap covers from the aluminum top. Remove the two screws on each end and pull the end-cap covers off. Slide the aluminum top off.
2. Measure the width of the door using inches. For 36" doors, skip to step 3. For narrower doors, you will need to cut the bar.
   a. Subtract the width of the door in inches (NOT mm or cm) from 36. The remainder tells how much to cut from the push bar.
   b. Remove the end cap nearest the wire connector from the base unit.
   c. Cut both the base unit and the aluminum top by the same amount.
   d. Replace the end cap.
   e. Double-check the length by holding the push bar and aluminum top against the door.
3. Determine the mounting location.

   NOTE: The height at which the push bar is mounted may be subject to local regulations.

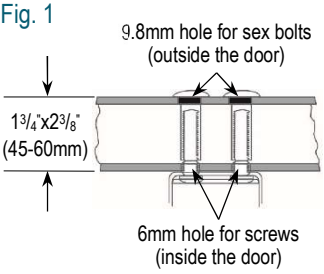
   a. In most installations, the end with the wire connector should be on the side of the door near the hinges to make it easier to run the wires to the wall.
   b. The best-looking installation will have the push bar centered on the door, as measured from the left and right. However, before drilling the holes, make sure the door opens and closes properly. If not, it may be necessary to adjust the push bar to the right or left a bit. (This must be checked with the aluminum top and its end caps on.)
4. With a pencil, mark the four bolt or screw holes and the hole for the wires on the door, and lay the push bar aside.

   NOTE: If the push bar was cut, make sure the end cap on the base unit is set firmly against the base unit before marking the holes.
5. Drill a $^{3}/_{8}$" (10mm) hole in the door for the wires. Do not drill all the way through the door.
6. For mounting to hollow doors, using sex nuts, see Fig. 1.
   a. Drill four 6mm holes on the inside of the door for the machine screws.
   b. Drill four 9.8mm holes, one for each bolt, on the outside of the door in the same locations as the four 6mm holes.

      NOTE: It is important that the holes be precisely 9.8mm—no smaller, no larger.

   c. Insert a sex bolt in each of the 9.8mm holes.
   d. Screw the 4 machine screws through the push bar into the sex bolts to fix the push bar on the door.

Fig. 1



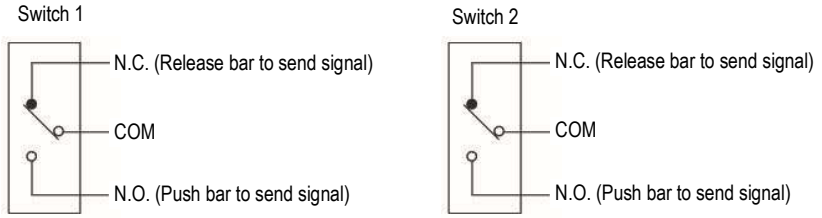
7. For mounting to wood doors, screw the push bar onto the door using one of the four supplied wood screws.
8. Run wires through the door and connect them to the access control device (see *Wiring*, pg. 4).
9. Replace the two end caps.

NOTE: One of the end caps has a square-head bolt under the round plastic cover. That end cap should be mounted on the end of the push bar away from the wire connector.

Locking the Bar Closed

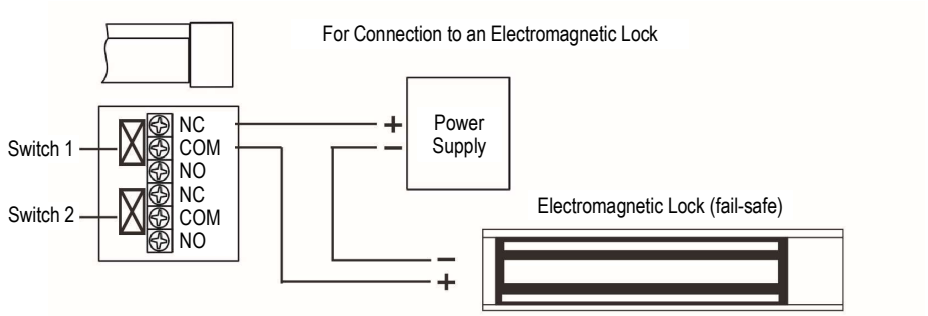
Included with the push bar is a miniature key with a square hole. To lock the push bar closed (to allow two-way, uncontrolled access to the protected area), remove the square-head bolt's round cover, push the bar in all the way, and turn the square-head bolt with the key. To release the bar, turn the square-head bolt again.

Wiring



NOTE: For electromagnetic locks (fail-safe), connect for push-to-open (N.C. and COM).

Sample Installation



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 regarding the use of push bars for access security, including suitability for doors accessed by disabled persons and suitability for fire doors (the push bar is not fire-rated). 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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