SECO-LARM®

Electric Glass Door Strikes

Manual

Model #	Locking Mode	Operating Voltage
SD-996A-D3Q	Fail-secure	12 or 24 VDC
SD-996B-D3Q	Fail-safe	

Features:

- Easy installation on top or side of door
- Reversible, non-handed design
- Horizontal faceplate adjustment to help overcome misalignment
- Suitable for office-type applications

- Available in fail-secure or fail-safe
- Non-polarized connection
- For use on $3/8$" (10mm) or $1/2$" (12mm) thick frameless glass doors
- Combine with an optional digital keypad

Note: This strike is not weatherproof and should only be installed indoors.

SECO-LARM® SLI®   CE RoHS

Introduction:

The **SECO-LARM®** Electric Glass Door Strike can be installed on frameless glass doors to provide an electronic access-controlled locking system. The strike can be used on $3/8$" (10mm) or $1/2$" (12mm) glass doors, is non-handed, and is available in either fail-safe or fail-secure models.

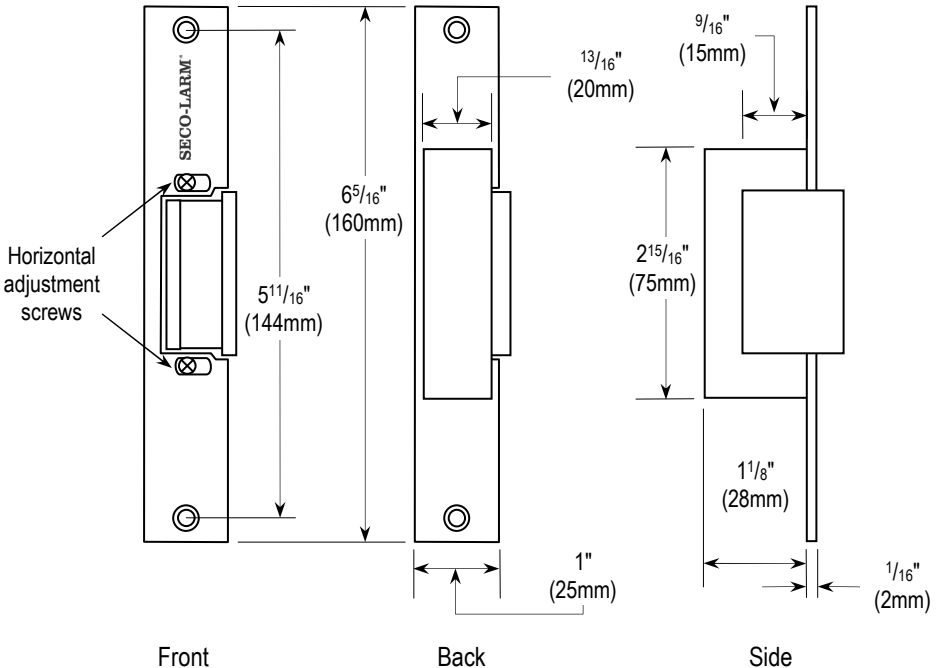Combine with an optional **SECO-LARM®** digital keypad for keyless high security.

Parts List:

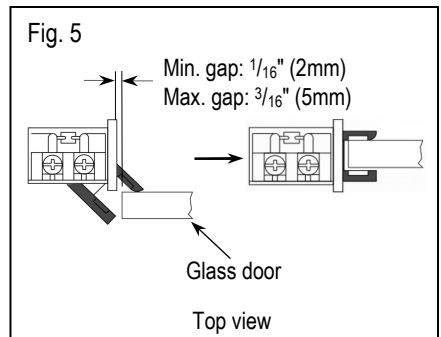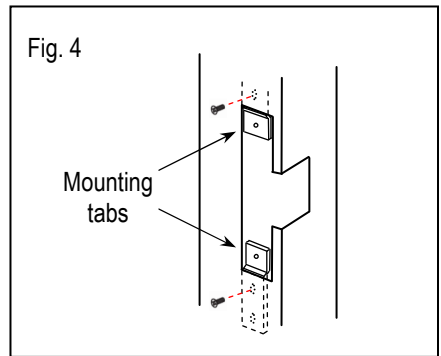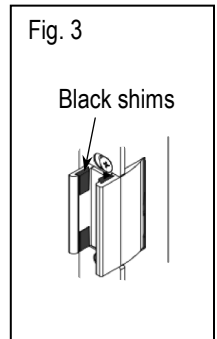|		
1x Door strike	1x 1N4001 Diode	2x Electrical connectors
2x Mounting tabs	2x Mounting tab screws	2x Anchor nuts
2x Wood screws	4x Machine screws	2x Black shims
1x Manual		

Specifications:

Model		SD-996A-D3Q	SD-996B-D3Q
Operating voltage		12 or 24 VDC	
Current draw	12VDC	500mA	300mA
	24VDC	250mA	150mA
Lock mode		Fail-secure	Fail-safe
Latch throw		$3/16$" (5mm) Max., $1/16$" (2mm) Min.	
Operating humidity		0~85% Non-condensing	
Operating temperature		14°~120° F (-10°~49° C)	
Dimensions		1"x6$5/16$"x1$3/16$" (25x160x30 mm)	

Overview:

Horizontal adjustment screws

6$5/16$" (160mm)

5$11/16$" (144mm)

13/16" (20mm)

1" (25mm)

9/16" (15mm)

2$15/16$" (75mm)

1$1/8$" (28mm)

$1/16$" (2mm)

Front   Back   Side

Installation:

1. Determine the mounting location of the strike. For single doors, the door strike can be mounted on the side door jamb, or top door jamb. For double doors, two strikes can be mounted near the center on the top door jamb (see Fig. 1).

2. Cut a hole in the door jamb according to the dimensions of the strike, to a depth of $3/4$" (18mm) (see Fig. 2).

3. For 10mm thick glass doors, add the included two black shims (see Fig. 3).

4. For hollow door frames, use the two included mounting tab screws and anchor nuts to affix the mounting tabs to the inside of the door jamb (see Fig. 4).

5. Ensure a minimum gap of $1/16$" (2mm) and a maximum of $3/16$" (5mm) between the strike faceplate and the door (see Fig. 5).

6. Connect the two wires to the access control device or egress device, e.g. keypad, push-button switch, etc. using the provided electrical connectors (see Wiring Diagram on pg. 4). Polarity is not important. Ensure that no bare wires are exposed.

7. Conceal all wires in the door frame. Using the included screws, mount the strike to the door jamb or mounting tabs.

8. Loosen the adjustment screws and adjust horizontal positioning as needed to ensure that the door closes smoothly. Tighten adjustment screws when done.

Fig. 1

Single Door   Double Door

Fig. 2   Fig. 3

Black shims

$3/4$"
(18mm)

Fig. 4

Mounting
tabs

Fig. 5

Min. gap: $1/16$" (2mm)
Max. gap: $3/16$" (5mm)

Glass door

Top view
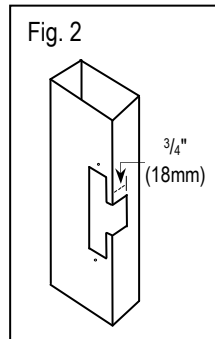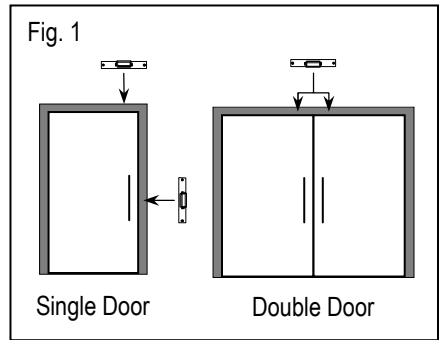
12/24 VDC Wiring Diagram*:

Black Wire	
Red Wire	
White Wire	

### For 12VDC Operation*:

Use the included electrical connector marked 12VDC and connect its red/black wires to the positive and negative terminals of the control device.

1N4001 Diode **12V**

12VDC

For 24VDC Operation*:

Use the included electrical connector marked 24VDC and connect its white/black wires to the positive and negative terminals of the control device.

1N4001 Diode **24V**

24VDC
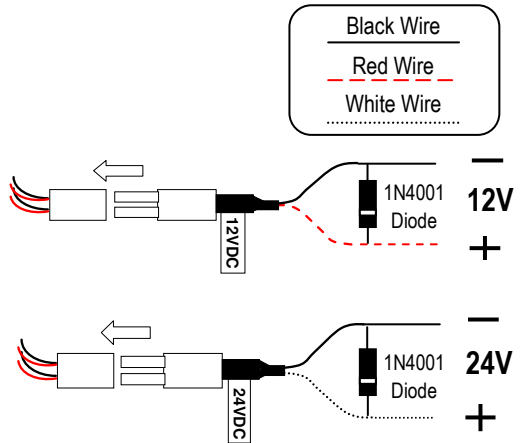
Diagrams are for illustrative purposes only. Polarity of wires is not important.

Troubleshooting:

Electric glass door strike does not activate.	• Unmount the strike and check that the two wires are connected properly. • Ensure the wires are connected to a 12/24 VDC source. • Use a multimeter and test that the strike is receiving the proper voltage and amperage. If it is not, it may be necessary to use heavier gauge wires, or increase the output of the power supply. • Make sure the activation device (keypad or push-button switch) is working properly.
Door does not open when the electric glass door strike is activated.	• The position of the electric glass door strike may need to be adjusted by moving it or adding shims.
Strike makes a buzzing sound.	• Use DC power supply instead of AC power.

IMPORTANT: Users and installers of this product are responsible for ensuring this product complies with all national, state, and local laws and statutes related to monitoring and recording audio and video signals. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or statutes.

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