

SECO-LARM®

Mini Electric Door Strike

SD-991A-D1Q

Installation Manual



The SECO-LARM Mini Electric Door strike converts virtually any cylindrical door locking system into an electronic access-controlled locking system. It is fail-secure to remain locked even when power is lost and is reversible for right- or left-handed doors. Its shallow design makes it especially suitable for metal frames. Stainless steel no-cut and silver low-cut strike plates are included. For indoor use only.

- 12VDC operation
- Fail-secure operation – Door remains locked if power to the strike is lost
- 1,000-lb (454kg) Static strength
- 2-wire installation, non-polarized connection
- Stainless steel keeper for strength and long life
- Can be used with an optional digital keypad, pushbutton switch, or other entry device
- Reversible non-handed design fits either right-hand or left-hand doors
- Shallow design for use with most metal doors
- Powered by a solenoid, not a buzzer coil
- Suitable for office-type applications
- Optional bronze low-cut strike plate (SD-991RA-61Q/B) available:
 - Compatible with most metal or wood doors with minimum cutting of door frame beyond the hole for the strike

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Parts List

- 1x Door strike 2x Mounting screws 2x Splice connectors 1x No-cut strike plate*
 1x Low-cut strike plate† 2x Strike plate screws 1x Mounting template 1x Manual

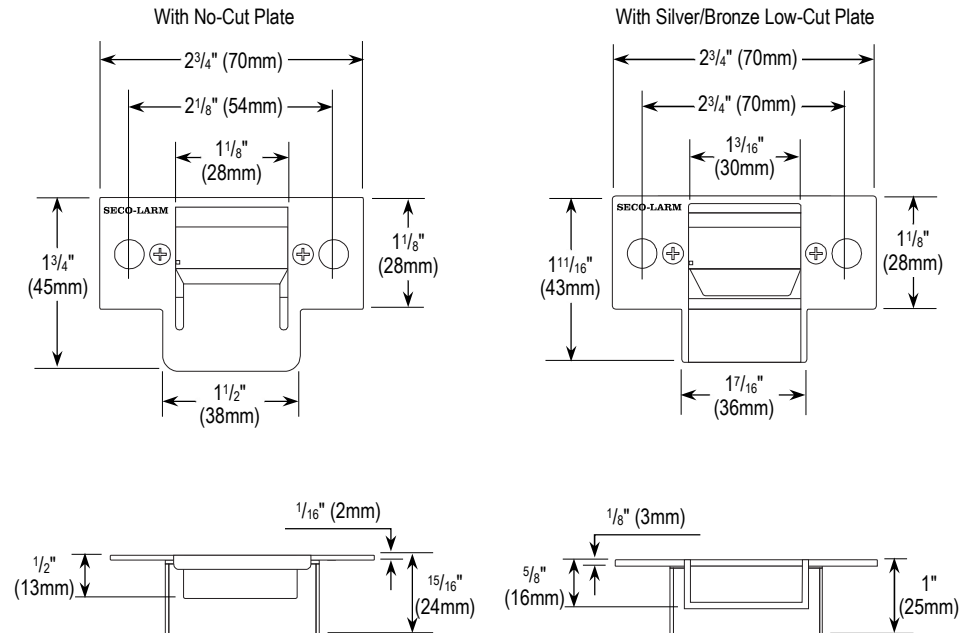
*Stainless steel finish †Silver finish

Specifications

Operating voltage	12VDC
Operation type	Fail-safe
Current draw	280mA@12VDC
Latch throw	1/2" (13mm)
Keeper	No-cut plate
width	Low-cut plate*
	1 1/8" (28mm)
	1 3/16" (30mm)
Design	Non-handed
Static strength	1,000-lb (454kg)
Endurance	250,000 Cycles (factory tested)
Operating humidity	0-85%, non-condensing
Operating temperature	14°~120° F (-10°~49° C)
Dimensions	No-cut plate
	1 1/8"x2 3/4"x1 5/16" (28x70x24 mm)
	Low-cut plate*
	1 1/8"x2 3/4"x1" (28x70x25 mm)

*Either included plate or optional bronze plate

Overview



Installation

For Timely® Interior Door Frames

The no-cut door strike should fit into the door strike cutout of Timely interior door frames without making any new cuts or holes (see Fig. 1). However, in rare cases due to how the door latch was installed, it may be necessary to cut out a small piece of the frame or drill new screw holes.

For non-Timely® Interior Door Frames

1. Measure the center line of the door latch from the top of the door frame. This is "Y" on the diagram in Fig. 2, right.
2. Measure the distance from the door latch to the edge of the door frame. Ignore the deadlatch pin when taking measurements. This is the door latch line. This is shown as "X" on the diagram in Fig. 3.
3. Measure distance "X" from the side of the door frame, and distance "Y" from the top of the door frame. Use a pencil to mark the two lines' exact intersection spot (see Fig. 4).
4. Carefully peel off the short, thin tab in the center of the stick-on template. When placed against the frame, this template opening will line up with the X-Y mark. Peel the template from its backing and carefully apply to the frame.
5. Using the template as a guide, cut a hole in the frame to fit the door strike. In most cases, the surface-mount no-cut strike plate will work.
6. In the rare case where a deeper cut into the frame is needed to match the door latch, use the template to cut out space for the low-cut strike plate.
7. Mount the electric door strike with the appropriate strike plate into the hole to ensure it does not interfere with the closing of the door, and that it properly catches the door latch. Adjust if needed.

Wire the Electric Door Strike

1. Connect the two wires of the door strike to the wires from the access control or egress device (keypad, pushbutton switch, pushbar, etc.), and insulate with electrical connectors or electrical tape. Polarity is not important. Make sure no bare wires are exposed (see Fig. 5).
2. Conceal all wires in the door frame.
3. Tightly mount the electric door strike to the frame with the included door frame mounting screws.

Fig. 1

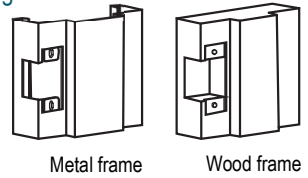


Fig. 2

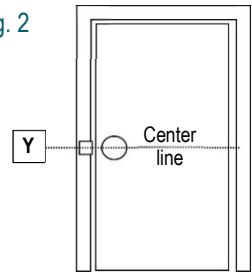


Fig. 3

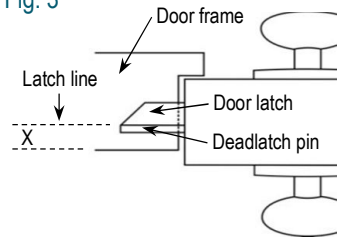


Fig. 4

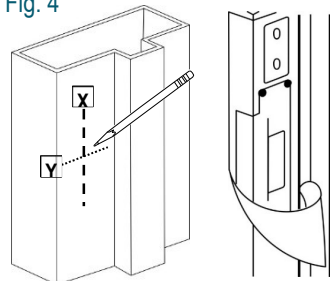
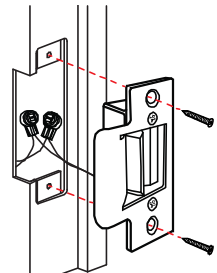


Fig. 5



Troubleshooting

Electric strike does not activate

- Remove the strike and check that the two wires are connected properly
- Ensure the wires are connected to a 12VDC source
- Use a multimeter to 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, pushbutton switch, etc.) is working properly

Door does not open when the electric strike is activated

- Check that the door latch is operating properly and replace if necessary
- The position of the electric strike may need to be adjusted by moving it or adding washers or shims

Accessories

Low-Cut Strike Plate, Bronze Finish



SD-991RA-61Q/B

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