

SECO-LARM®

SD-998C-NUQ

Surface-Mount Electric Rim Strike

Manual



- 12/24 VDC Operating voltage
- Non-polarized connection
- Horizontal adjustment
- 1,500-lb Static strength
- $\frac{3}{4}$ " (19mm) thick metal housing
- Accommodates up to $\frac{3}{4}$ " Pullman latch
- Current draw: 540mA@12VDC
- Dynamic strength 70 ft-lbs.
- Field-programmable for fail-safe or fail-secure operation
- Non-handed, for use with left or right hinged doors
- Surface-mount installation
- Metal or wood frame installation
- 250,000 cycles (1-million cycles factory tested)
- Works with standard rim-type exit devices including SECO-LARM SD-962AR-36A, SD-962AR-36G, and SD-962AR-36M
- Plug-in wire connection
- Five-year limited warranty

SECO-LARM Surface-Mount Electric Rim Strike

Introduction:

The SECO-LARM SD-998C-NUQ Surface-Mount Electric Rim Strike is designed with the strength and durability for use with rim exit devices with a 3/4" throw Pullman latchbolt. The SD-998C-NUQ features a 3/4" (19mm) thick metal housing, so no frame cutting is required for installation. The strike is fail-safe/fail-secure selectable and features 12/24 VDC operating voltage.

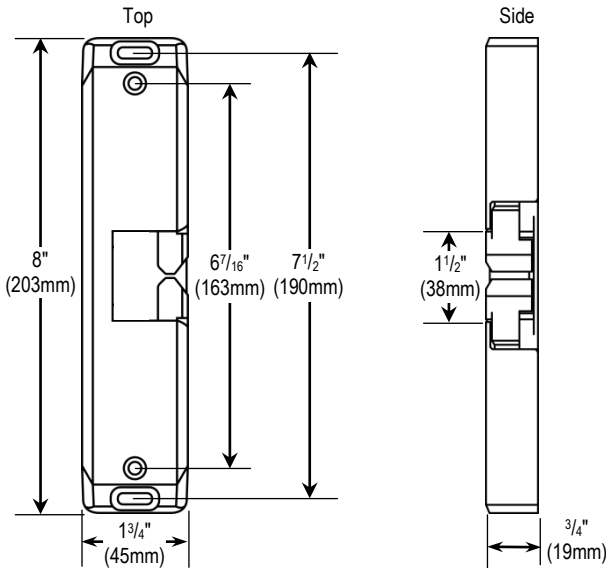
Specifications:

Model		SD-998C-NUQ
Operating voltage		12/24 VDC
Current draw	12VDC	540mA
	24VDC	270mA
Operating temperature		14°~113° F (-10°~45° C)
Operating humidity		0~95%
Lock mode		Fail-Safe/Fail-Secure
Static strength		1,500-lb
Endurance rating		250,000 cycles (1-million cycles factory tested)
Dimensions		8"x1 3/4"x3/4" (203x45x19 mm)

Parts List:

Strike	x 1	Butt splice connectors	x 2
Blind nut kit	x 1	Stainless steel mounting tabs	x 3
Blind nuts	x 2	24VDC cable connector	x 1
Allen wrench (Hex key)	x 1	12VDC cable connector	x 1
Hex socket head cap screws	x 2	Manual	x 1
Philips flat head screws	x 2	Note: Not all parts will be used in every installation.	

Overview:

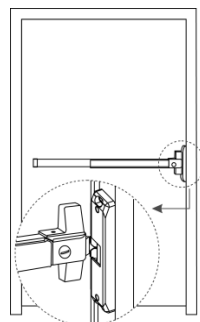
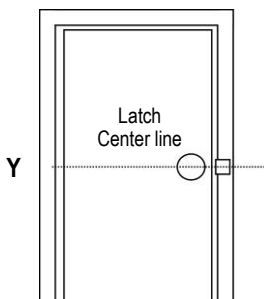
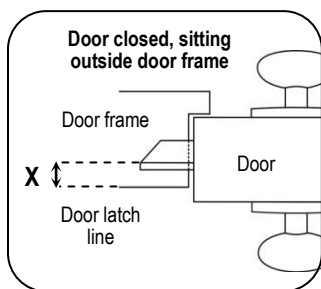
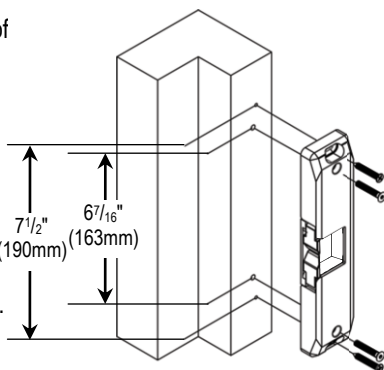


Installation:

1. Measure and mark the door latch line and the center line of the door. See "Surface Mount Installation", below.
2. Prepare the door frame for installation.
3. Set either fail-safe or fail-secure operation. See "Selecting Fail-Secure/Fail-Safe," below.
4. Connect to power. See "Wiring Diagram," page 4.

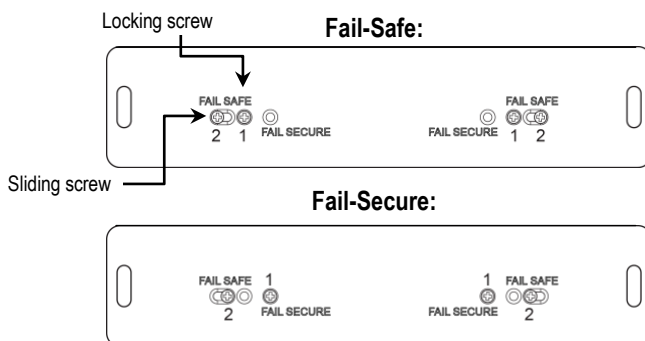
Surface Mount Installation:

1. Measure the center line of the latch, labeled "Y".
2. Measure the distance from the door latch to the edge of the door frame. This is the door latch line, labeled "X".
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 exact spot where the two lines intersect.
4. From this mark, measure up and down $3\frac{3}{4}"$ (95mm) and $3\frac{7}{32}"$ (82mm) to mark the 4 holes to drill. Mount the blind nuts in the top and bottom holes. Drill the middle holes to accept the Philips flat-head screws.
5. Make the wire connections and then mount the strike to the frame with the hex socket head cap screws and the Philips flat-head screws.



Selecting Fail-Safe/Fail-Secure:

Remove locking screw #1, loosen, slide and tighten sliding screw #2. Reinsert and tighten locking screw #1 to the desired fail-safe or fail-secure setting.

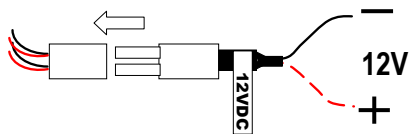


SECO-LARM Surface-Mount Electric Rim Strike

Wiring Diagram:

For 12VDC operation:

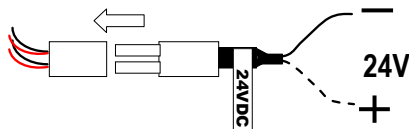
1. Use the included wiring connector marked 12VDC.
2. Plug the male wiring connector into the female wiring harness connector of the door strike.



Black Wire
Red Wire
White Wire

For 24VDC operation:

1. Use the included wiring connector marked 24VDC.
2. Plug the male wiring connector into the female wiring harness connector of the door strike.



Troubleshooting:

Electric strike does not activate

- Dismount the strike and check that the wiring connector is connected properly.
- Ensure the wiring connector is connected to a 12 or 24VDC 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 or push-button switch) 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.

Strike makes a buzzing sound

- Use DC power supply instead of AC power.

LIMITED WARRANTY: This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for five (5) years from the date of sale to the original customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM. This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of SECO-LARM and the purchaser's exclusive remedy, shall be limited to the replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damage of any kind to the purchaser or anyone else.

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