

SECO-LARM[®]

SD-231-ND1Q

Electro-Mechanical Latch

Manual



Features:

- 12VDC, Fail-secure operation with manual override
- Fully mechanical – can be unlocked if power is lost
- Unlocks from outside with included keys
- Easy to install on existing gates/doors
- Compatible with access control devices
- Can be installed on left, right, in-swing, and out-swing gates/doors
- 2,250-lb (1,020kg) Static strength

SECO-LARM Electro-Mechanical Latch

Introduction:

The SD-231-ND1Q Electro-Mechanical Latch is designed for pedestrian gates or doors and can be triggered by an access control system, by key from outside, or by manually turning the knob from inside. It can be mounted on both in-swing and out-swing doors, and is also non-handed.

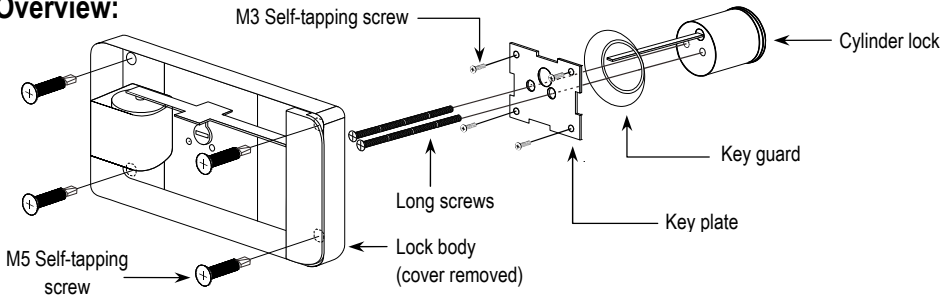
Parts List:

1x Lock body	1x Strike body	1x Key plate
1x Key guard	1x Cylinder lock	3x Keys
8x M5 Self-tapping screws	4x M3 Self-tapping screws	2x Long screws
2x Lock body cover screws	1x Mounting template	1x Manual

Specifications:

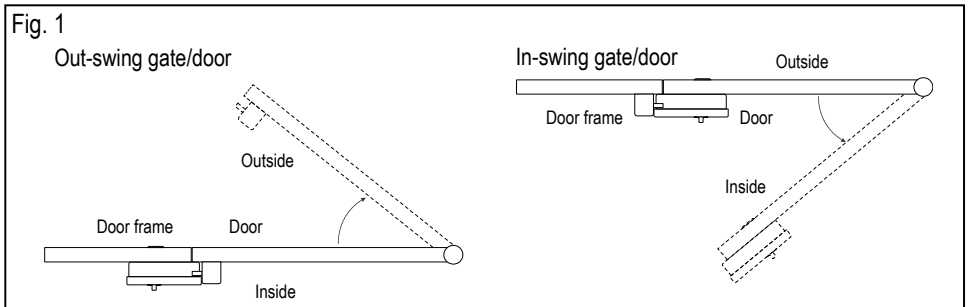
Operating voltage		12VDC
Current draw	Standby	0A@12VDC
	Active	3A@12VDC Maximum
Static strength		2,250-lb (1,020kg)
Endurance		500,000 cycles (factory tested)
Operating temperature		-40°~122° F (-40°~50° C)
Dimensions	Lock Body	5 ¹ / ₈ "x3 ¹⁵ / ₁₆ "x1 ¹¹ / ₁₆ " (130x100x43 mm)
	Strike Body	1 ⁷ / ₁₆ "x3 ¹⁵ / ₁₆ "x1 ⁵ / ₈ " (36x100x41 mm)

Overview:



Sample Installation:

NOTE: For in-swing gates/doors, mount the lock body on the door. For out-swing doors, mount the lock body on the gate/door frame. Note the offset mounting so that the strike pin clears the frame/gate when opening (see Fig. 1).



Installation:

1. Determine the best mounting location for the strike body and lock body. The recommended distance between the strike body and the lock body is $\frac{3}{16}$ " (5mm) (see Fig. 2). Note the offset mounting as shown in Fig. 1.
2. Place the included template on the closed gate/door and the frame. Drill four $\frac{1}{8}$ " (3mm) holes for mounting the lock body, four $\frac{1}{8}$ " (3mm) holes for mounting the strike body, a $1\frac{1}{4}$ " (32mm) hole for the cylinder lock, and a hole to run the wires to the lock body.

NOTE: Template/lock's orientation varies depending on the handedness of the door/gate.

3. Install the key plate to the gate/door or frame with four M3 self-tapping screws (see Fig. 3).
4. Assemble the cylinder lock from the opposite side of the door so that the cylinder lock's flat pin can be inserted into the lock body.

NOTE: The cylinder lock's flat pin and long screws (used to secure the cylinder lock as noted below) should be cut to the appropriate length before they are installed.

5. Secure the cylinder lock in place with the two long screws (see Fig. 4).
6. Remove the cover of the lock body by unscrewing the two screws on the side of the lock body.
7. Using four M5 self-tapping screws, mount the lock body (see Fig. 5).
8. Unscrew and remove the cover of the strike body.
9. Using four M5 self-tapping screws, mount the strike body to the door/gate or frame and reattach the strike body's cover (see Fig. 6).

10. Connect the wires (non-polarized) to an access control system.
11. Test the latch to ensure it is working properly.
12. Reattach the lock body's cover.

NOTE: Copy keys as necessary and save one as the master key. Replacement keys are not available.

Fig. 2

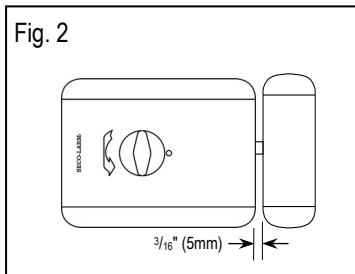


Fig. 3

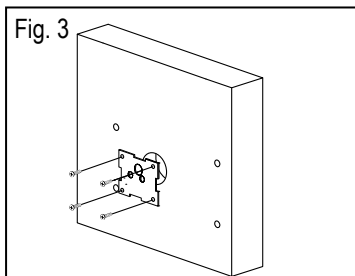


Fig. 4

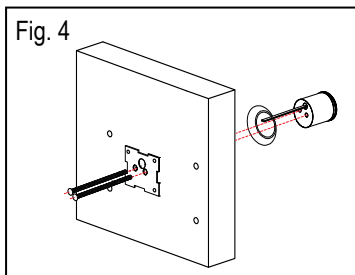


Fig. 5

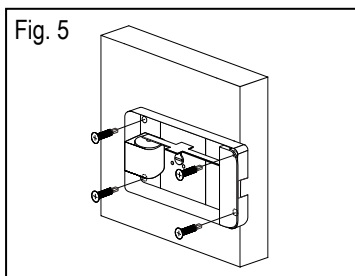
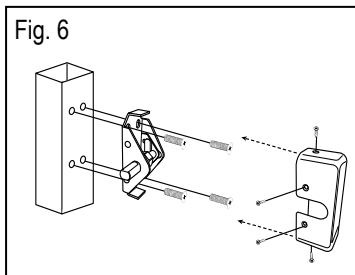


Fig. 6



SECO-LARM Electro-Mechanical Latch

Troubleshooting:

- | | |
|-----------------|--|
| Does not lock | <ul style="list-style-type: none">• Make sure the lock is engaging the strike body• Make sure the mechanism is moving freely• Lubricate moving parts with graphite lubricant |
| Does not unlock | <ul style="list-style-type: none">• Make sure the lock is engaging the strike body• Check to see if the lock is receiving the correct input voltage• Make sure the power supply has sufficient current to operate the lock |

Also Available from SECO-LARM®:

Electro-Mechanical RIM Lock



SD-211-BD1Q

Reflective Photoelectric Beam Sensor



E-936-S45RRGQ

Electromagnetic Gate Lock



E-942FC-1300

Heavy-Duty Outdoor Stand-Alone Keypad



SK-3523-SDQ

Vandal Resistant Flush-Mount Keypad



SK-1123-FDQ

Fail-Safe/Fail-Secure Glass Door Strikes



SD-996x-D3Q

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