

CX-93M-12LS Electromagnetic Shear Lock Installation Instructions

This Package Includes:

#8 x 8" Self Tapping Screws
M5 x 8 Flatwashers

Specifications

Shear Holding Force	Up to 1200lbs. (545kg)
Voltage Input	12VDC / 24VDC
Current Draw	310mA / 180mA
Lock and Armature Gap	5/64" (2mm)
Operating Temperature	-4°F to 122°F (-20°C to +50°C)
Door Monitor Contact Rating	0.5A @ 28V DC
Lock Dimensions	7 1/4" L x 1 3/16" W x 1" D (181mm x 30mm x 25mm)
Armature Dimensions	7 1/4" L x 1 3/16" W x 3/4" D (181mm x 30mm x 20mm)

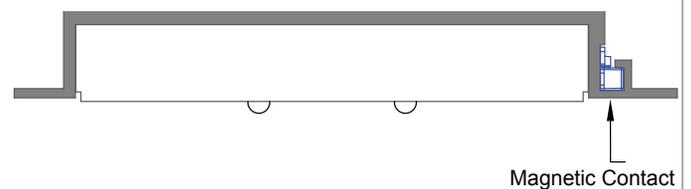
Important Notice:

1. Open pocket hole for armature plate in the door frame using the sticker template provided.
2. Attach the armature plate to the door with the hardware provided to right.
3. With the door closed, mark the door frame at the edge of the armature in order to properly align the electromagnet to the armature.
4. Mortise a hole in the door frame for the lock (7 1/4"L x 1 3/8"W x 1"D)

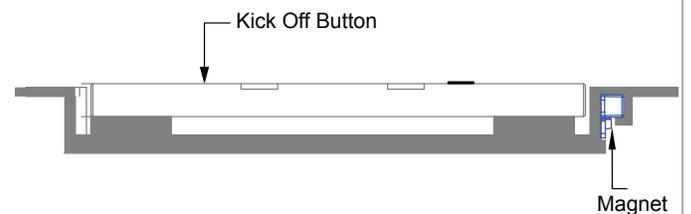


Basic Installation Concept & Accessories

Electromagnetic Shear Lock Diagram

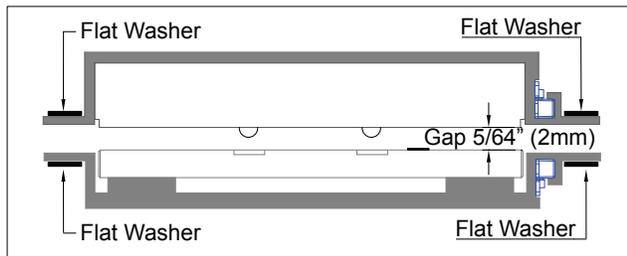


Assembled Armature Plate Horizontal Diagram

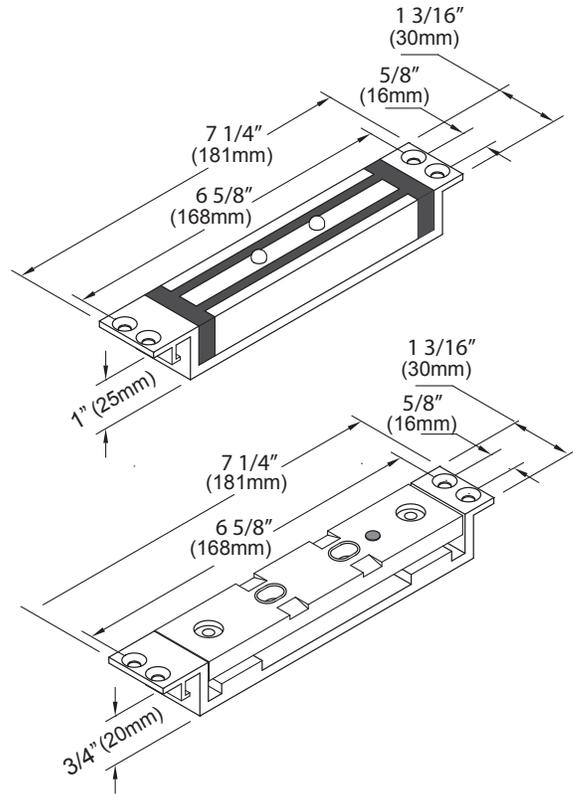


General Installation Steps and Maintenance:

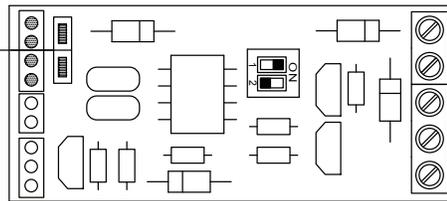
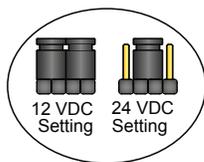
1. Mark a center line on the door header frame, where the assembled armature is to be installed.
2. Cut and drill according to the size of the mounting bracket.
3. Connect wiring according to wiring instruction shown below; then mount the shear lock and assembled armature onto the door frame and door.
4. For a wider gap between the door & door frame, use steel flat washers to adjust the gap between lock and armature.
5. Connect the power wires according to the instructions and test the system.
6. It is recommended to apply a light coat of silicon lubricant to the mating surfaces on a monthly basis to prevent rust.



NOTE: Flat washers are only used to adjust armature magnet when the door frame has more than a 5/64" (2mm) gap.



Time	SW1	SW2
3	ON	ON
6	ON	OFF
9	OFF	ON
12	OFF	OFF



IMPORTANT!

Set the jumper position according to the power input before turning ON the power.



Push Buttons



Keypads



Strikes



Magnetic Locks



Key Switches



Relays & Timers



Access Control



5502 Timberlea Blvd.,
Mississauga, ON Canada
L4W 2T7

www.camdencontrols.com
Toll Free: 1.877.226.3369



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