CX-94S-12LS
Magnetic Lock 1200 Lb., Gate Lock
INSTALLATION INSTRUCTIONS

THIS PACKAGE INCLUDES:

1 - CX-94S-12LS	2 - Metal Washers	4 - Plastic Screw Covers
1 - Armature Plate	1 - Rubber Washer	1 - 3/16" Allen Key Tool
1 - Armature Screw	2 - Guide Pins	
1 - Sex Nut Bolt	1 - Varistor	
1 - Spacer	4 - M6 x 30mm Screws/Washer	

1. GENERAL DESCRIPTION

Camden CX-94S-12LS gate locks are rugged magnetic locks designed for outdoor applications. They offer exceptional performance and value with ultra low current draw, making them the ideal choice for most gating projects.

Warning! SHOCK HAZARD.
Care must be taken to keep the power supply and wiring isolated from ground (earth). Use of an ohmmeter to test for shorts is recommended prior to service.

2. SPECIFICATIONS

Voltage	12/24V DC (Field Selectable)
Current Draw	500mA @ 12 VDC 250mA @ 24 VDC
Contact Rating	Bond Sensor: 1A @ 30 VDC
Temperature Range	5°F to 122°F (-15°C to 50°C)
Holding Force	1,200 lbs
C/W Lock Status Sensor	Built-in Lock Sensor and Relay
Conduit Fitting Pipe Thread	3/4" ID / 1" OD
Dimensions (Body)	2-1/2" H x 8" W x 1-5/8" D (63mm x 203mm x 41.5mm)
Dimensions (Armature)	2-3/8" H x 7-5/16" W x 5/8" D (61mm x 185mm x 16mm)

3. INSTALLATION

Preparation:

Important! Please read before installation.

1. Handle the components with care. Damaging the surfaces of the magnet or armature plate may reduce locking efficiency.
2. The magnet mounts to the gate/door frame. The armature plate must be mounted to the gate/door with the hardware supplied. This allows it to pivot about its center to compensate for door wear and misalignment.
3. Using the Dimensions diagram and your own measurements, layout mounting screw locations with the gate/door in its normally closed position. (Figure 3.1)
4. Mark and drill holes. Install magnet and armature plate with screws installed finger tight at first. Verify all parts align correctly, then firmly tighten screws. (Figure 4.1)

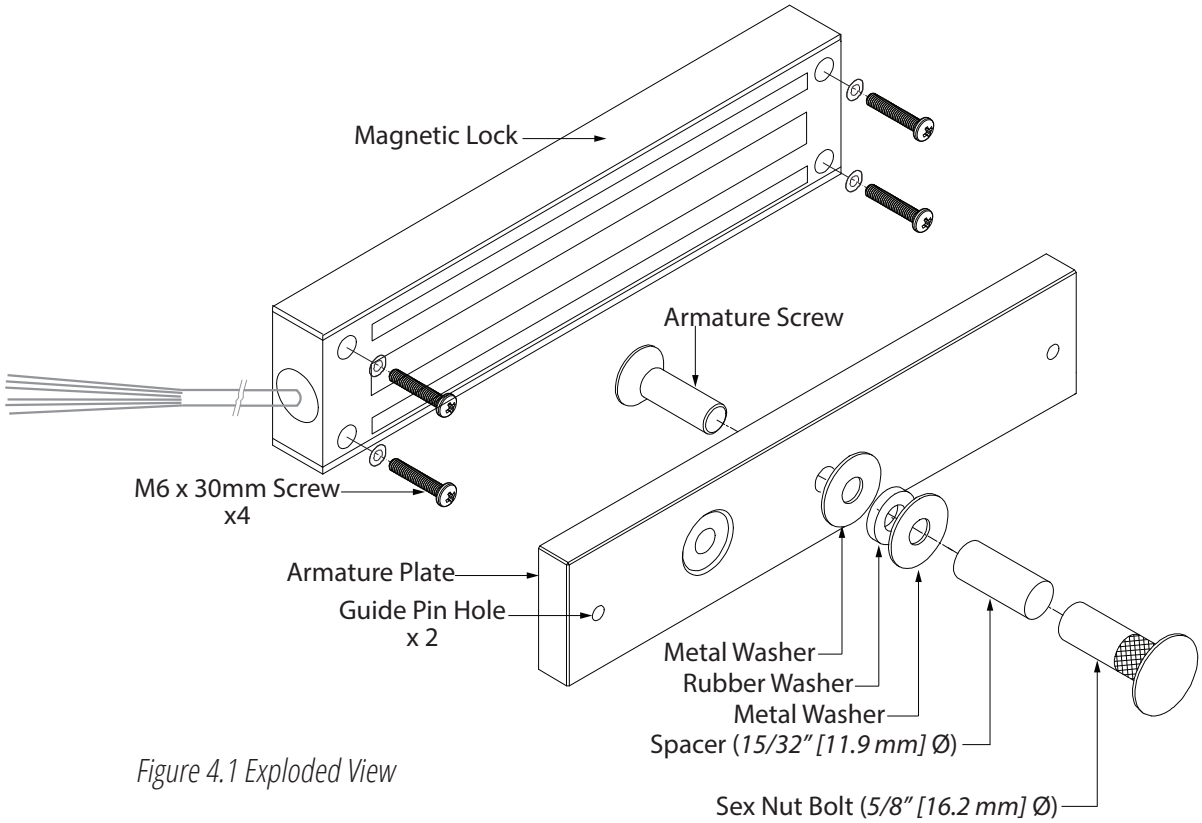


Figure 4.1 Exploded View

4. WIRING

A. 12 VDC Input:

1. Tie the GREEN and ORANGE wires together and connect to the ground (-) lead of a 12 VDC power source.
2. Tie the RED and BLACK wires together and connect to the positive (+) lead.

B. 24 VDC Input:

1. Tie BLACK and GREEN wires together with wire nuts or tape off.
2. Connect the ground (-) lead from a 24 VDC power source to the orange wire.
3. Connect the positive (+) lead to the red wire.

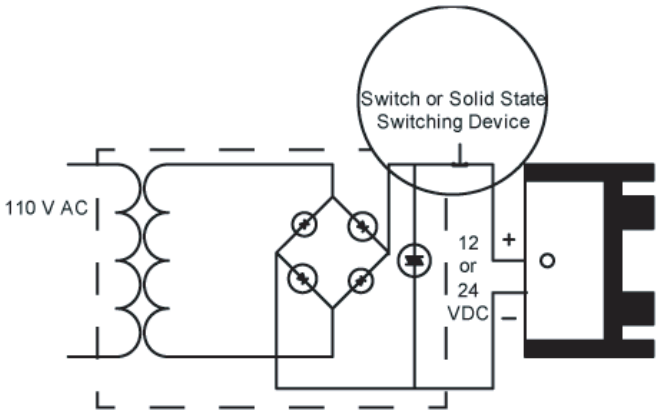
C. Lock Status Sensor (Reed switch):

1. The reed switch is rated 0.5 amp @ 30 VDC. DO NOT exceed rated capacity.

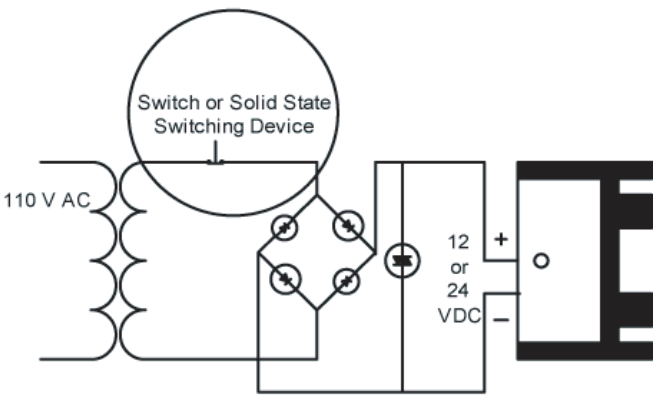
Brown = COM; Yellow = NO; Blue = NC

Important!

Power switch should always be wired as shown below in order to minimize the effect of residual magnetism. (Contact Camden for other wiring considerations.)



CORRECT



INCORRECT

5. DIMENSIONS

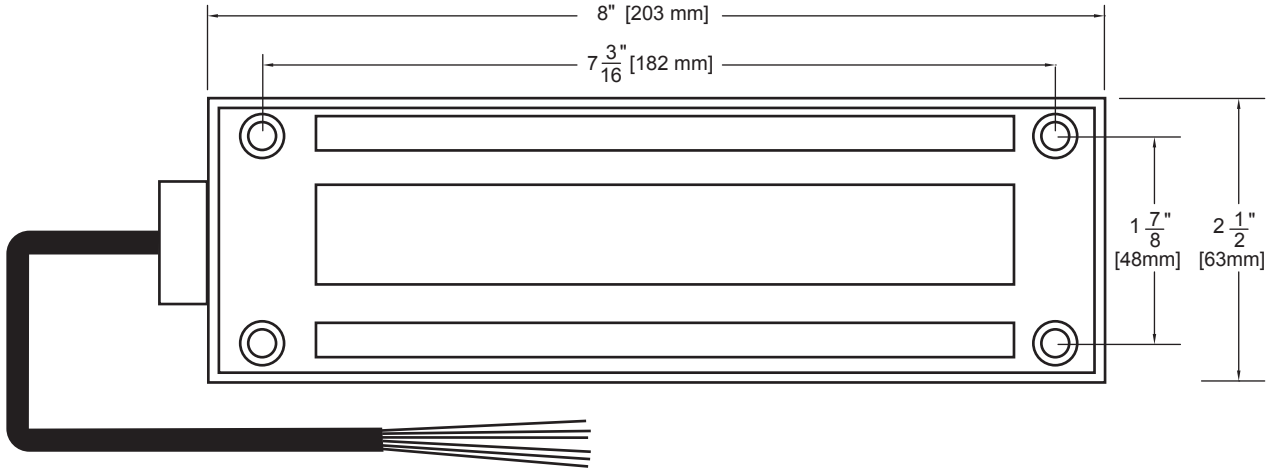


Figure 3.1 Electro-Magnetic Gate Lock Dimensions

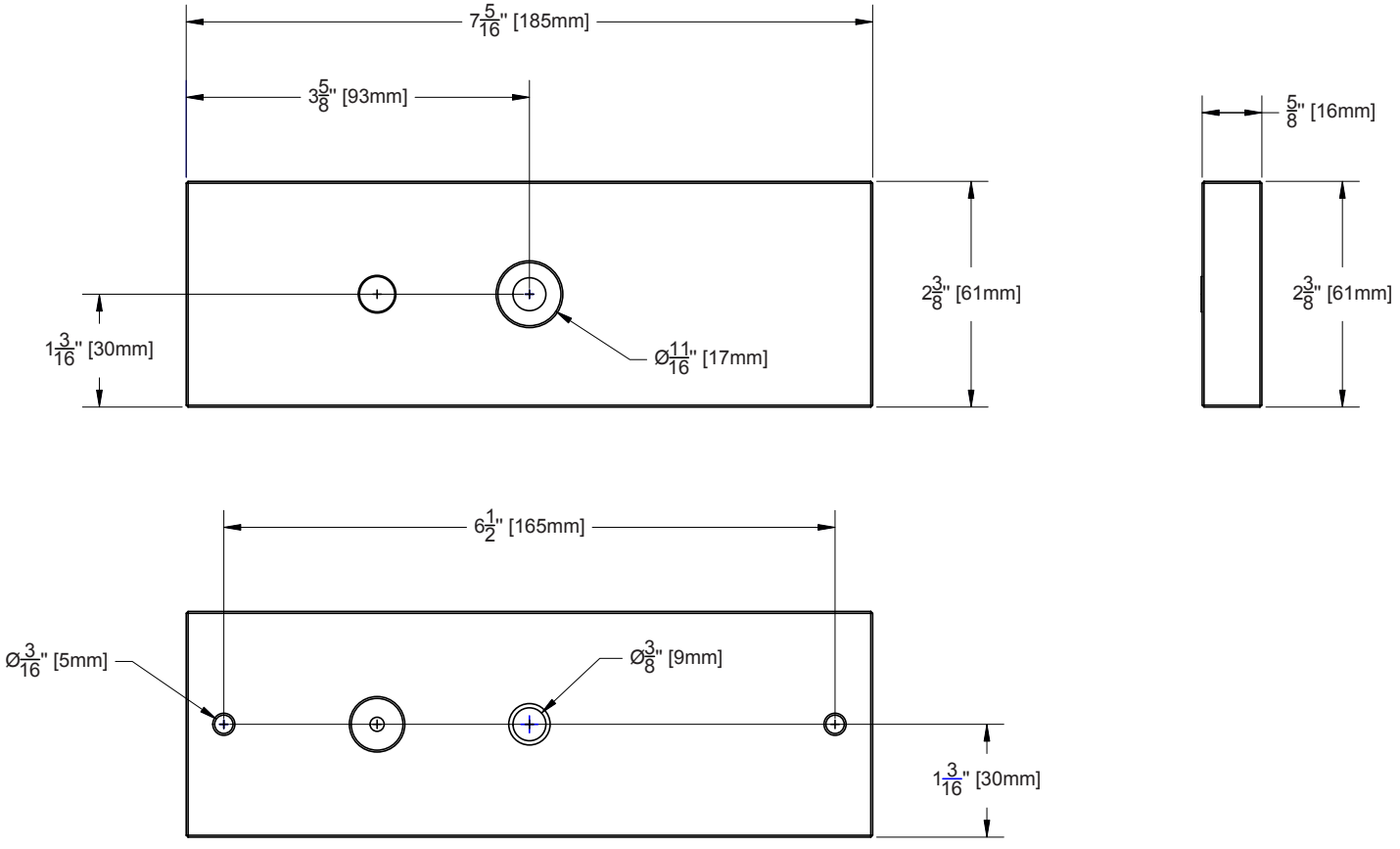


Figure 3.2 Magnetic Gate Lock Armature Dimensions