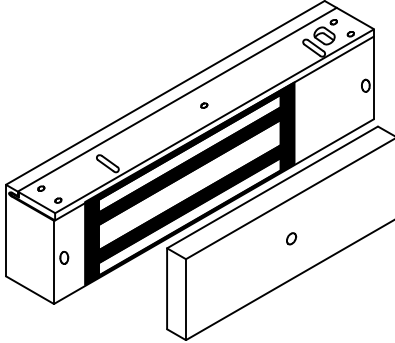




INSTALLATION INSTRUCTIONS



E1200 MAGNETIC LOCK



Electrical Specifications:

Dual Voltage:	12 or 24VDC
Power Consumption:	.505mA @ 12VDC .260mA @ 24VDC
DS Door Status Sensor:	SPDT, 500mA @ 30VDC
LS Lock Status Sensor:	SPDT, 2A @ 30VDC

Electrical Instructions:

Use properly fused U. L. Listed Power Supply

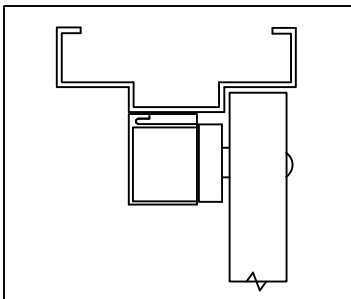
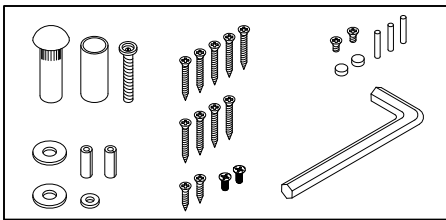
Do not install a diode in parallel with any magnetic lock. A diode will cause a delay when releasing the door and residual magnetism to occur.

Although SDC recommends the use of a DC power supply, a transformer with an adjacent mounted full wave bridge rectifier may be used. A significant drop will occur when using a full wave bridge rectifier.

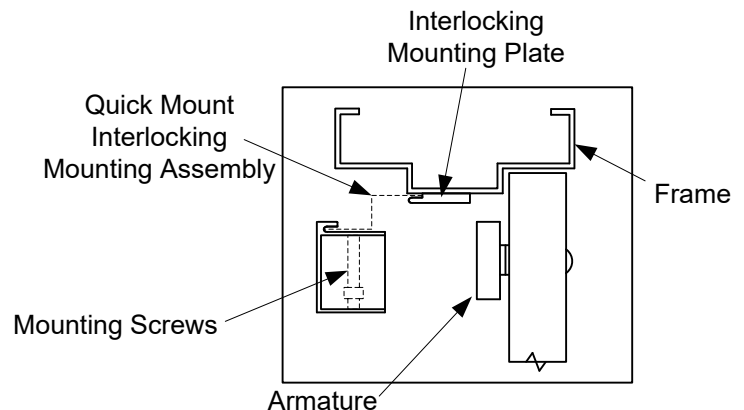
Any low voltage condition will cause erratic operation of the optional board sensor.

When using a full wave bridge rectifier all access controls and/or release contacts must be located between the EMlock and rectifier to ensure quick release.

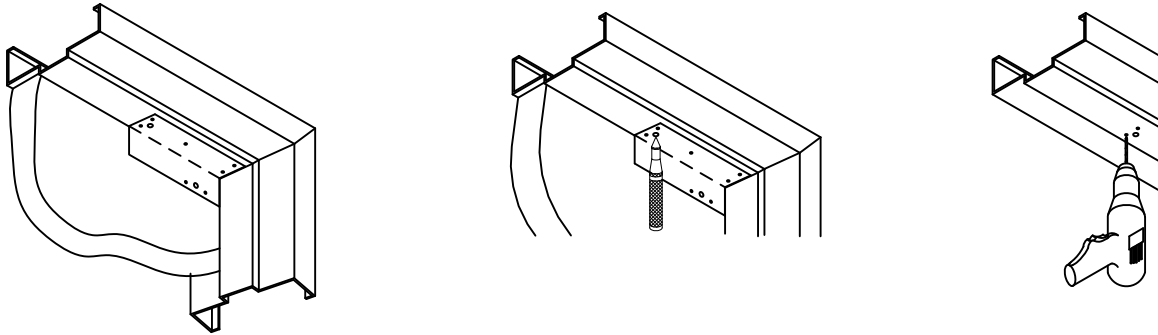
Supplied Mounting Hardware



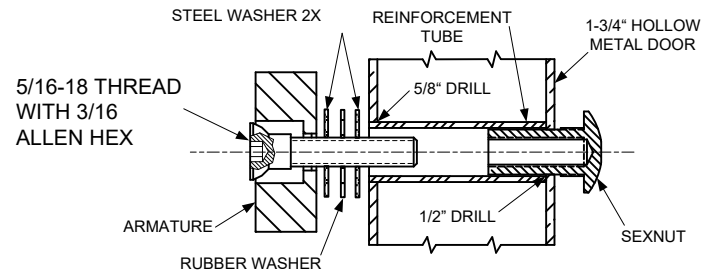
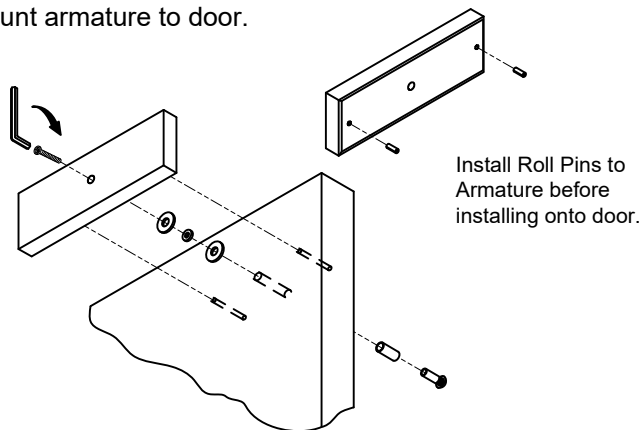
Outswing



1. Inspect the frame header to determine if mounting accessories are required (refer to page 4).
2. Fold template as indicated on dotted line. For single doors locate template against the door and header on the lock jamb side of the frame.
3. Mark and drill holes as indicated by the template.



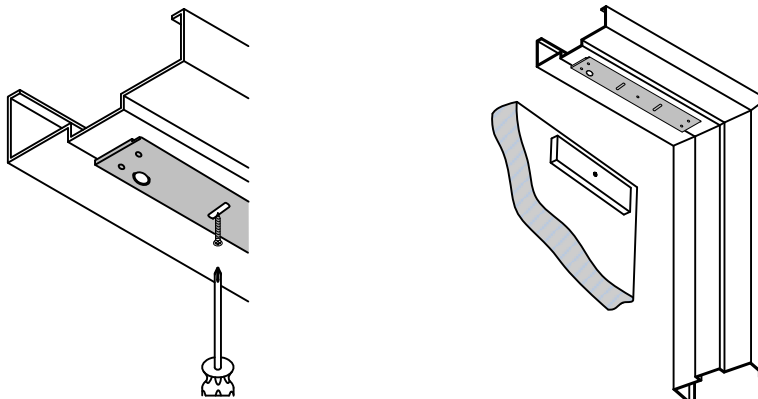
4. Mount armature to door.



HOLLOW METAL DOOR

From Sexnut side of door, drill exactly 1/2" hole thru one metal thickness only. From Armature side of door, drill 5/8" hole to insert reinforcement tube. Press in sexnut and reinforcement tube all the way and mount armature to door using hardware provided.

5. Install the Interlocking Mounting Plate to frame. Loosely fasten the 1/2" self drilling screws to the Mounting Plate as shown below. Temporarily install the lock onto Mounting Plate and adjust the Mounting Plate and lock to the armature spacing between the door and frame. Once adjusted remove lock and tightly fasten all mounting screws. Use the appropriate mounting screw based on frame type.

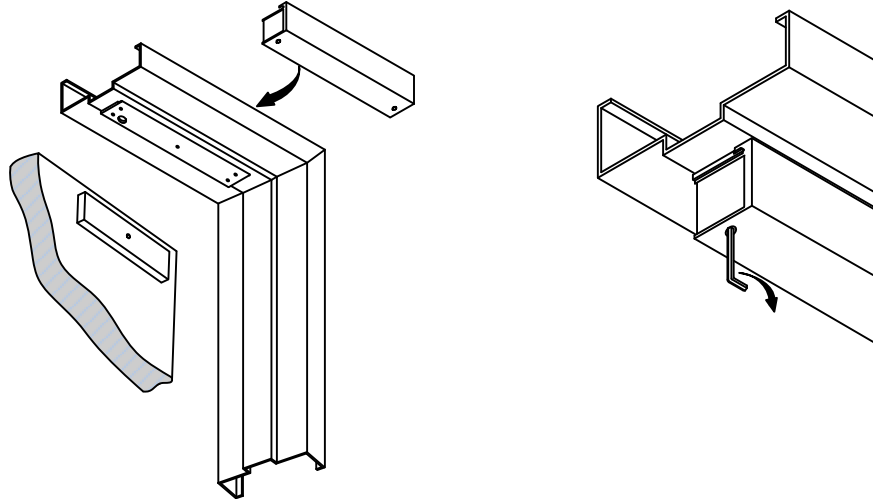




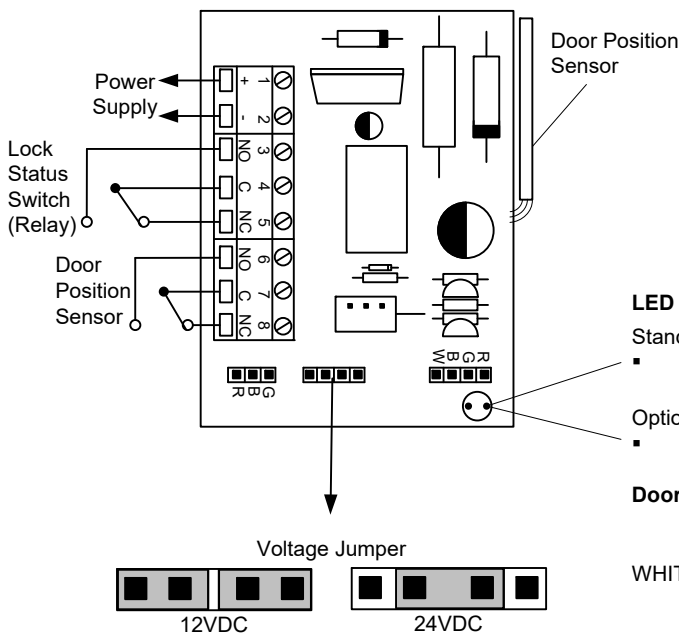
6. Holding the magnet housing at each end, engage the entire length of the interlock detail, by pushing towards the door. Tap with a soft hammer to ensure proper alignment and engagement.

CAUTION:

The lock body must be held in place until secured by mounting screws. Fasten the pre-installed socket head screws within the lock at each end. Slowly fasten the screws to avoid stripping the threads. Pull wires through frame, interlocking mounting plate and magnet housing



7. Select jumper position for 12VDC or 24VDC. Connect power to magnetic lock.

**LED Status Indicator:**

Standard connection: Green wire from Molex connector connected here provides:

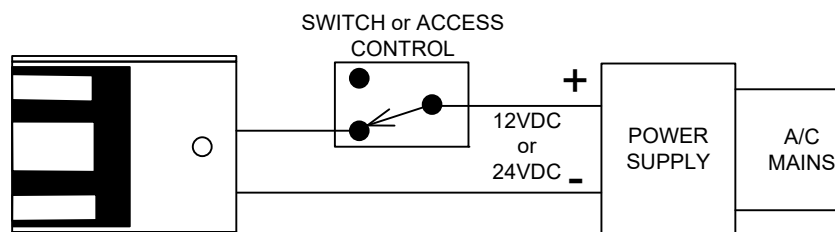
- RED – Energized & Unsecure
- GREEN – Energized & Secure

Optional connection: Red wire from Molex connector connected here provides:

- GREEN – Energized & Secure
- RED – Energized & Unsecure

Door Position Sensor (Reed switch)

8. Test operation. When all is operating properly, tighten all screws as shown. Install security pins and screws as shown. Install anti-tamper plugs over socket head screws using a soft hammer to avoid damage to the housing.

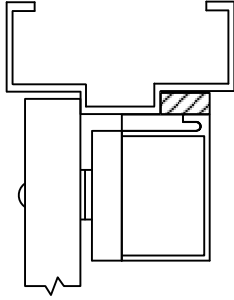


OPTIONAL MOUNTING ACCESSORIES

STOP FILLER PLATE E12F01 or E12F02

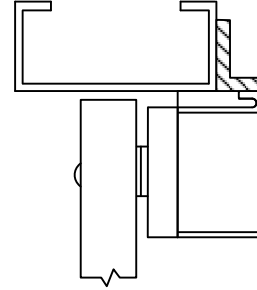
E12F01: 10-1/2" L x 3/4" H x 5/8" D

E12F02: 10-1/2" L x 3/4" H x 1/2" D

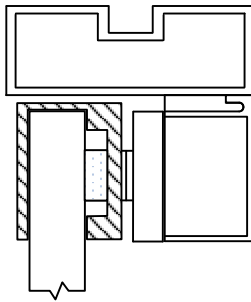


ANGLE BRACKET E12L

10-1/2" L x 1/2" H x 1" D

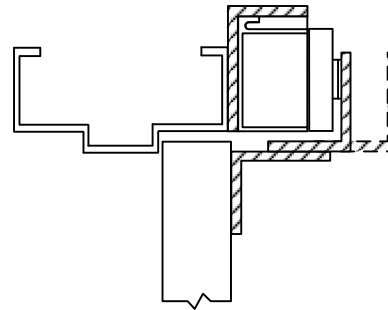


GLASS DOOR ARMATURE BRACKET E12U

For use with Model E1200 Series
Field adjustable for glass thickness

TOP JAMB MOUNTING BRACKET E12Z

For use with Model E1200 Series



To maintain surface plating from corrosion:

- Do not touch the lock face with your hands.
- Clean lock face with Scotch-Brite pad by 3M (do not use sandpaper).
- Apply a thin film of rust inhibitor (LPS-3) on lock face.
- Repeat application on armature plate.