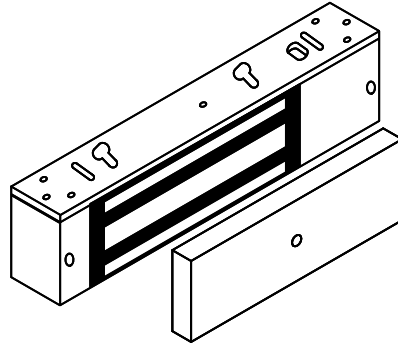
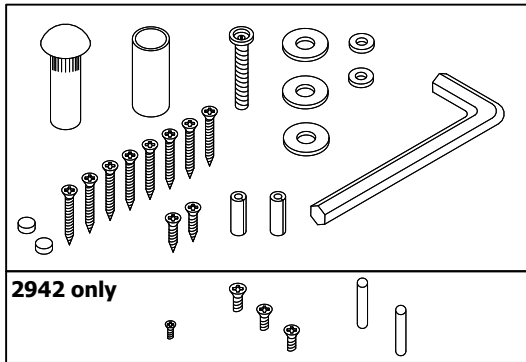


INSTALLATION INSTRUCTIONS 2941/2942 MAGNETIC LOCKS

The 2941 & 2942 magnetic locks are mounted to the underside of the header, on the stop side of the door.



Supplied Mounting Hardware (2941 & 2942)



Electrical Specifications:

Dual Voltage 12 or 24VDC

Power Consumption 505mA@12VDC
260mA@24VDC

DS Door Position Sensor SPDT, 1A@24VDC
LS Lock Status Sensor SPDT, 1A@24VDC

Electrical Guidelines:

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

Mechanical Guidelines:

- Handle the equipment with care, damaging the mating surfaces of the magnet or armature plate may reduce locking efficiency.
- The magnet mounts rigidly to the door frame. The armature plate mounts to the door. The kit provided allows the armature to pivot about its center to compensate for door wear and misalignment.
- Template use must take place with the door installed in its normally closed position (do not pre-prepare door and frame separately or alignment issues may occur).
- Before installing, add thread-locker to all screws.

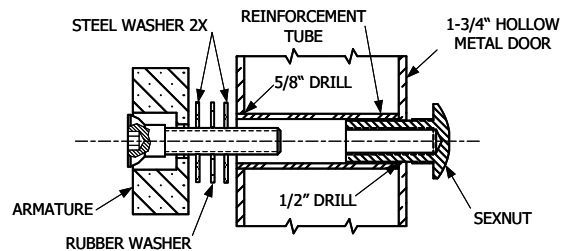
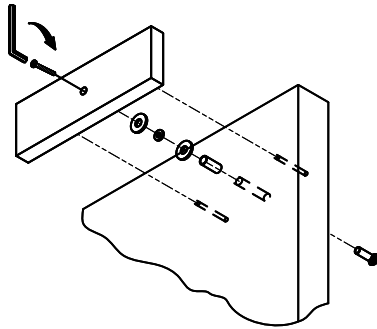
Maintenance Guidelines:

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

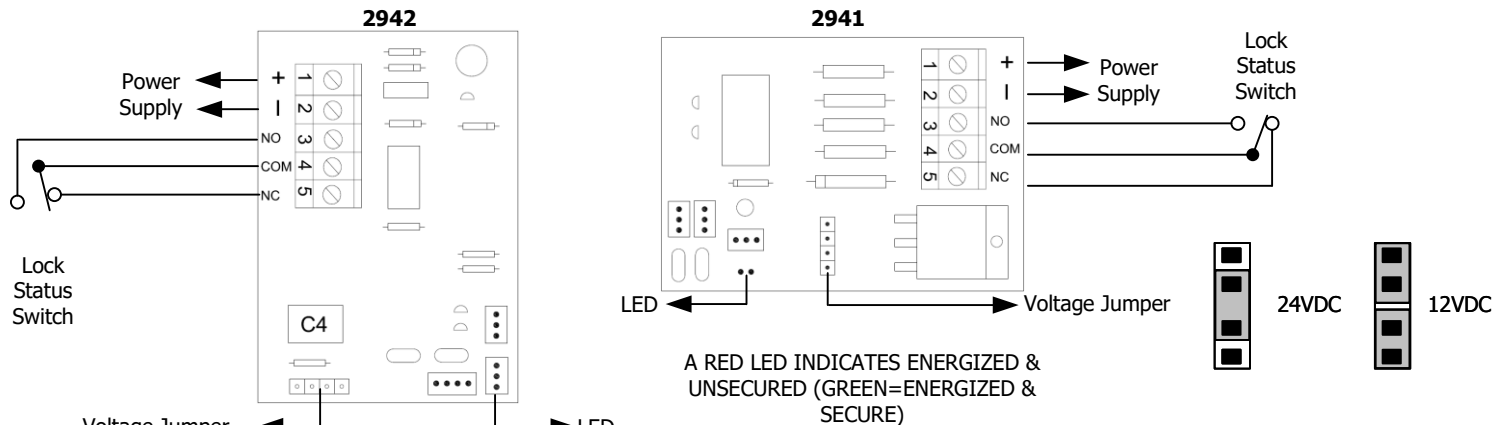


Installation

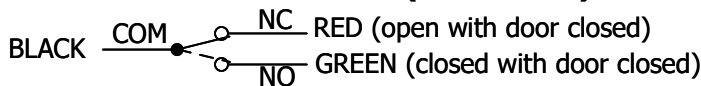
1. Fold template as indicated on dotted line. For single doors locate template against the door and header on the lock jamb side of the frame.
2. Mark and drill holes as indicated by the template.
3. Mount the armature plate to the door using 1 rubber washer sandwiched between 2 steel washers as shown below.



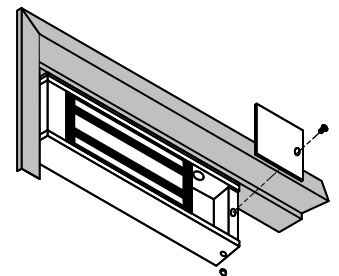
4. Install mounting plate to header. Loosely fasten screws going through adjustment slot. Assure that the mounting plate and armature line up properly, then tighten down ALL mounting screws.
5. Secure socket head screws provided inside the housing at each end. Start screws into threads carefully to avoid stripping the threads. Check alignment and tighten screws. Pull wires through frame, mounting plate and magnet housing
CAUTION: The magnetic lock body must be held in place until secured with mounting screws.
6. Select jumper position for 12VDC or 24VDC. Connect power to magnetic lock.



Door Position Sensor (Reed switch)



7. Test operation. When all is operating properly. Install anti-tamper plugs over socket head screws using a soft hammer to avoid damage to the housing.



Performance Level

Destructive: Level 1 Line Security: Level 1
Endurance: Level 2 Standby Power: Level 1

- Installation & wiring in compliance with ANSI/NFPA70 requirements
- Wiring must be cased to avoid outer cable damage
- Terminal: 12~22AWG