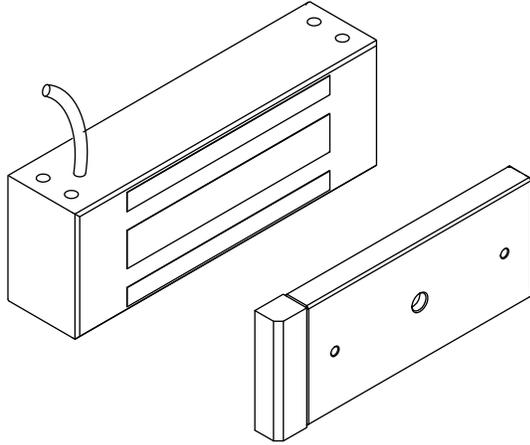




INSTALLATION INSTRUCTIONS



E6200 EXCEL EMLOCK



Electrical Specifications:

Dual Voltage 12 or 24VDC

Power Consumption .250mA @ 12VDC
.125mA @ 24VDC

DS Door Status Sensor SPDT, 500mA @ 30VDC
LS Lock Status Sensor SPDT, 2A @ 30VDC

The E6200 EmLock could be mounted onto a door frame and or a similar structure. The Armature can be mounted onto a door and or a similar structure. Depending on the application the lock may or may not require additional mounting plates and or angle brackets.

Due to the various door designs and applications there is no standard or recommended method of installation. The following pages are suggested methods to how the E6200 EmLock could be installed.

Electrical Instructions:

Use properly fused U. L. Listed Power Supply

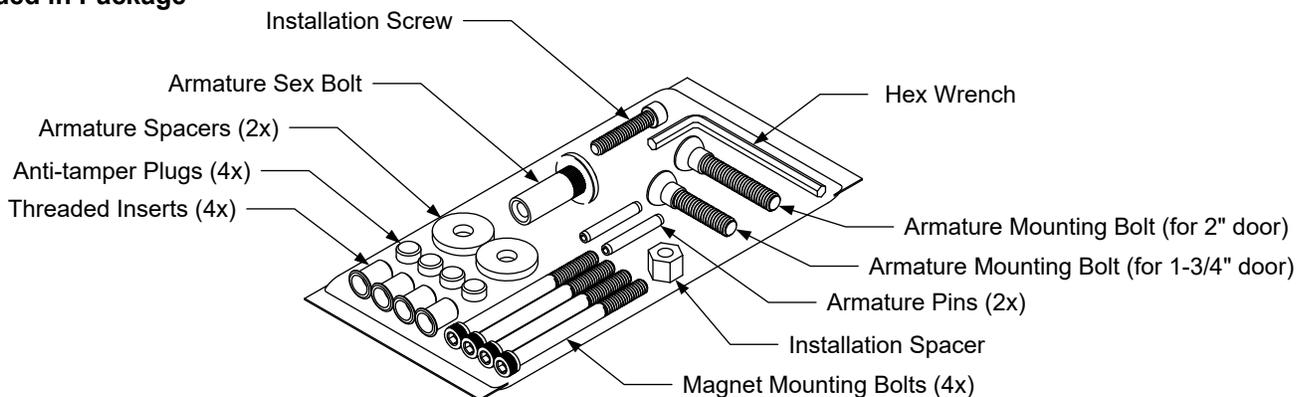
Do not install a diode in parallel with any magnetic lock. A diode will cause a delay when releasing the door and residual magnetism to occur.

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.

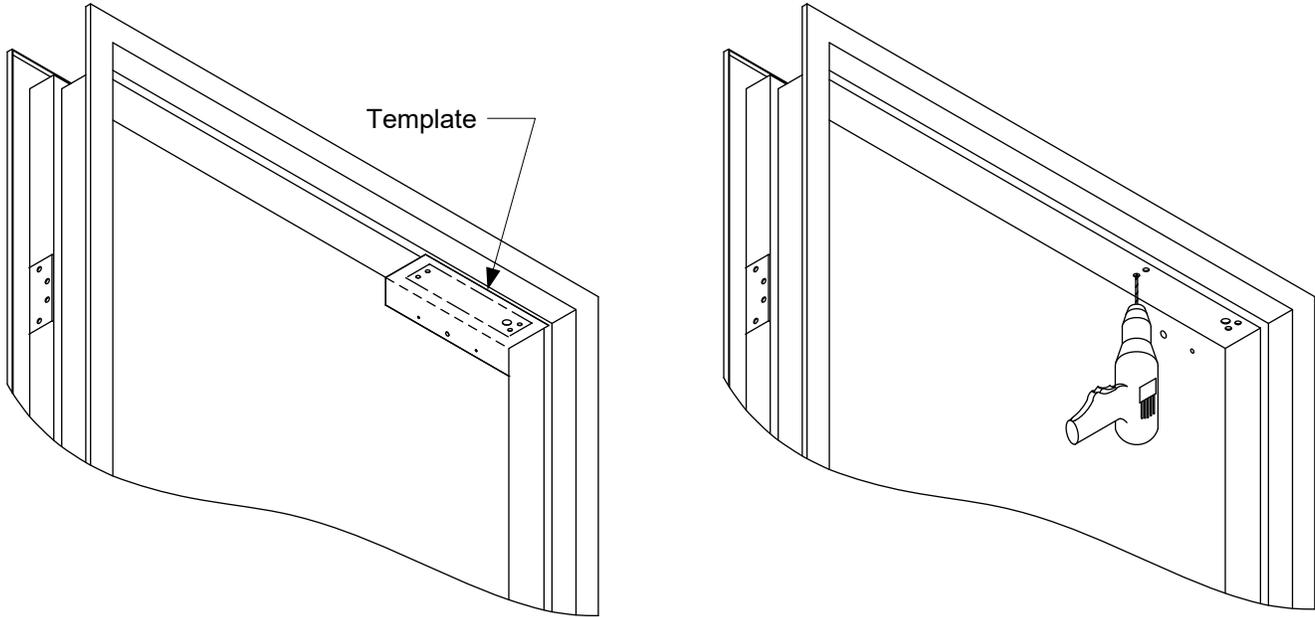
Included in Package



Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdsecurity.com

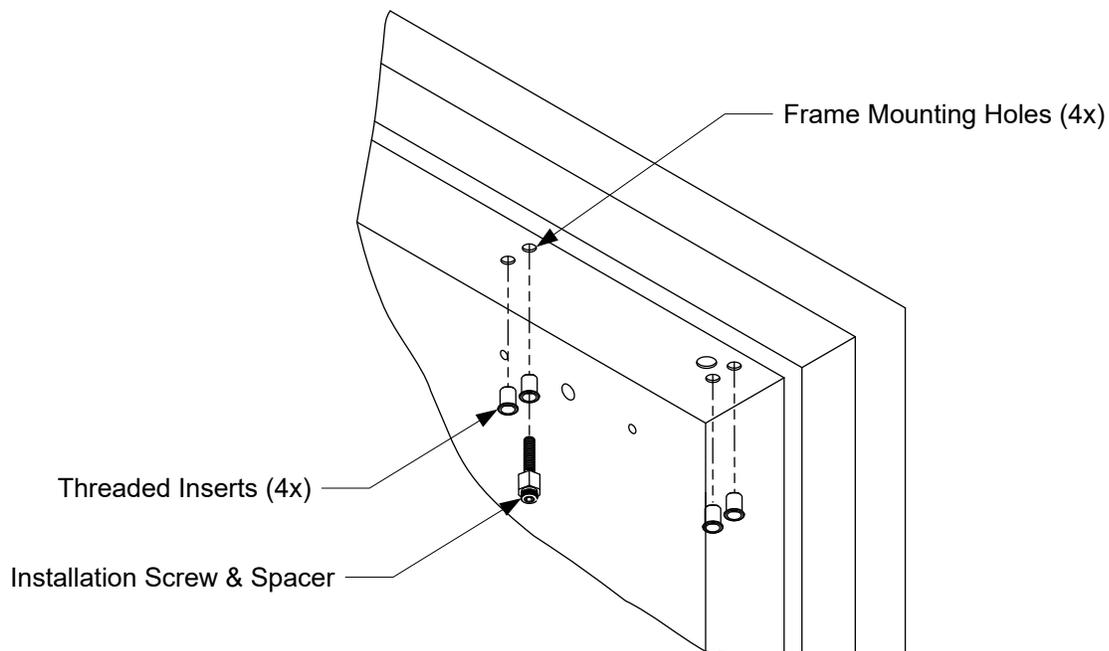
DOOR AND FRAME INSTALL WITH REINFORCED FRAME

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 in frame and door as indicated by the template.

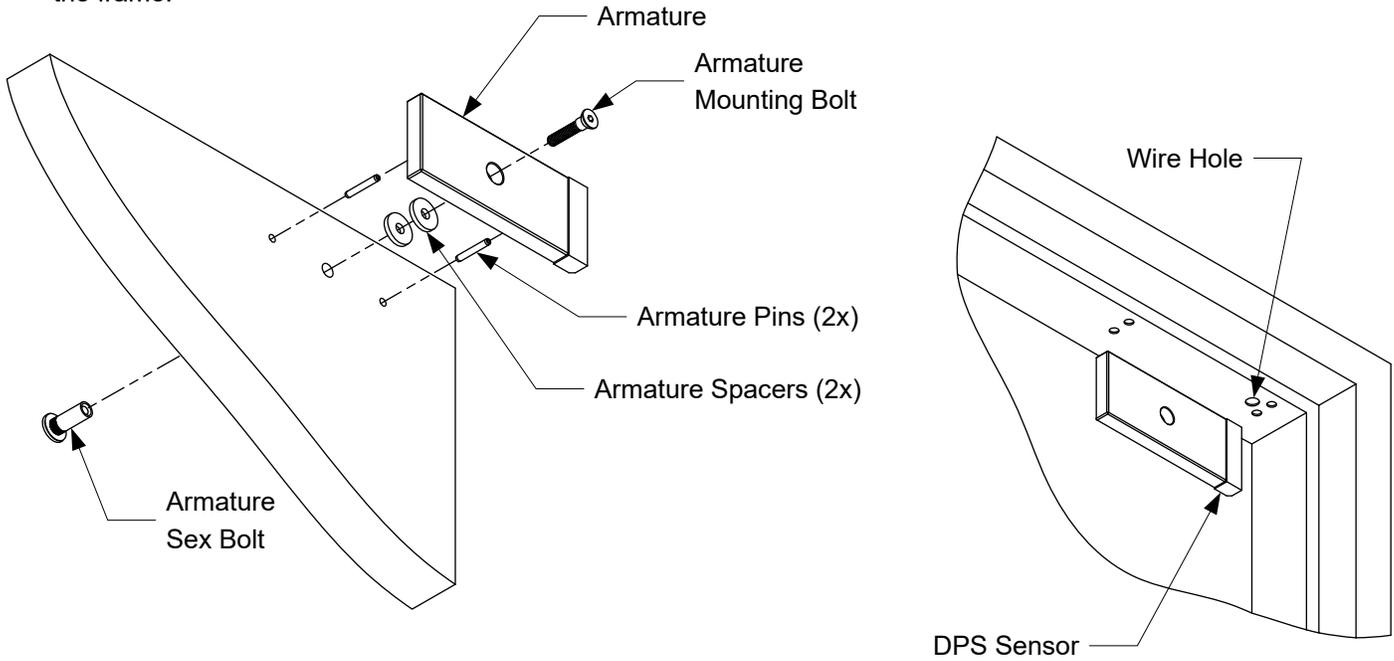


For frames without a reinforcement, the supplied Threaded Inserts should be used to secure the Magnet to the Frame.

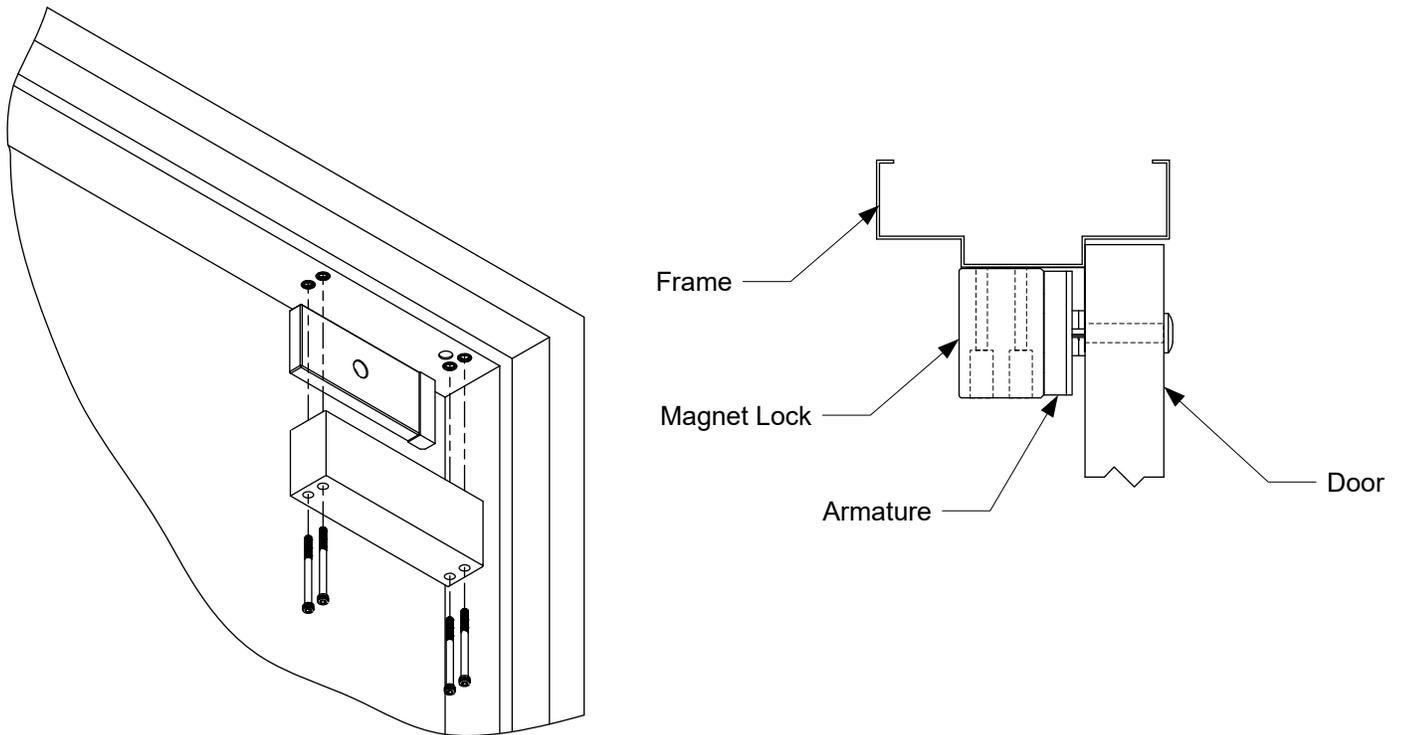
Widen the Frame Mounting Holes and use the provided Installation Screw and Spacer to fasten the Threaded Inserts into the frame as shown below. Use a letter "T" drill bit to widen holes.



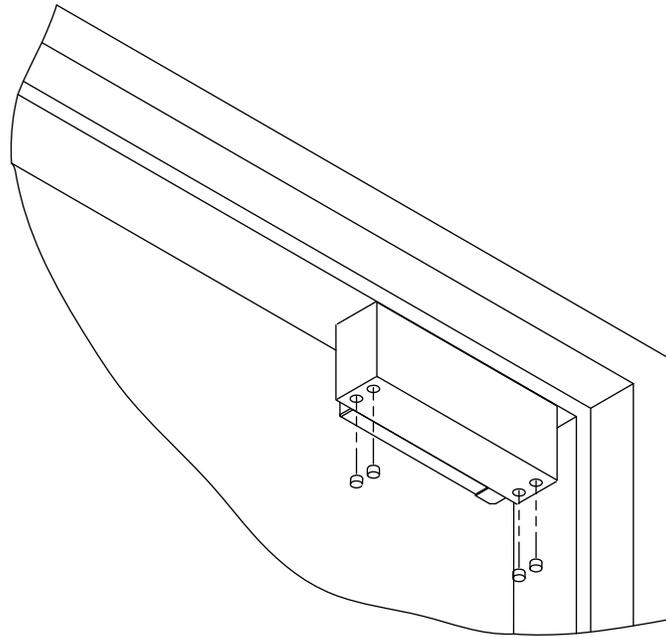
3. Mount armature to door. Make sure the DPS Sensor side of the Armature is on the same side as the Wire Hole on the frame.



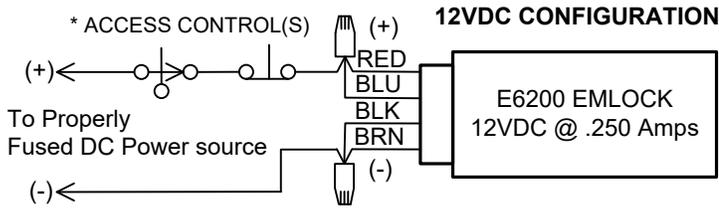
4. Install Magnet onto the frame header with the magnetic face towards the door. Assure that the magnet and armature line up properly, then tighten down all mounting screws.



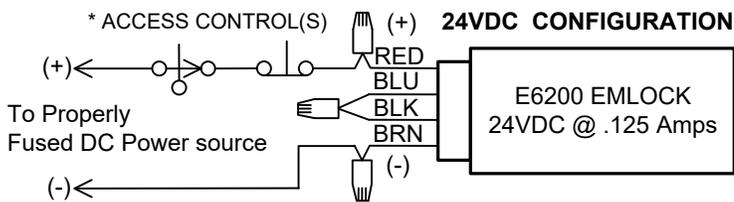
5. Test operation. When all is operating properly, install Anti-tamper Plugs over socket head screws using a soft hammer to avoid damage to the housing.



6. Wiring Details:



BAS - BOND ALERT SENSOR WIRING		
WIRE COLOR	CONTACT	DESCRIPTION
YEL	N/O	GOOD BOND
GRN	COM	COMMON
ORG	N/C	NO/POOR BOND



DPS - DOOR POSITION SENSOR WIRING		
WIRE COLOR	CONTACT	DESCRIPTION
WHT	N/O	ACTIVATE WHEN DOOR OPEN
GRY	COM	COMMON
VIO	N/C	ACTIVATE WHEN DOOR CLOSED



MODEL E6200 Dimensional Reference

