

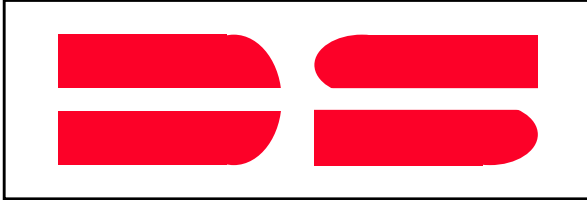
INSTALLATION
INSTRUCTIONS

DGO-M

MAGNETIC
LOCK
ASSEMBLY

DOORGUARD SYSTEMS

**8970-D ROUTE 108
COLUMBIA, MD 21045
1-800-442-6247
FAX (410)992-5694**



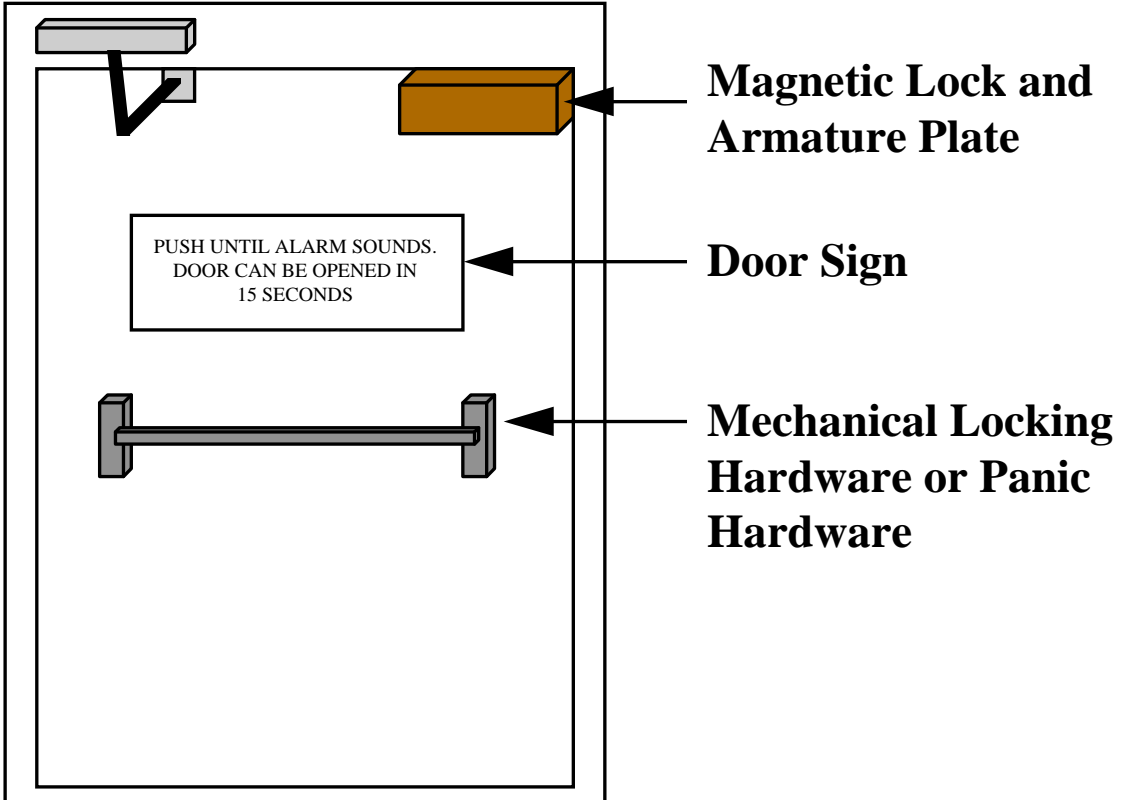
IMPORTANT NOTICE: Proper operation of the DOORGUARD system requires careful attention to the following installation instructions. Failure to follow instructions may result in damage to the unit and will void the warranty.

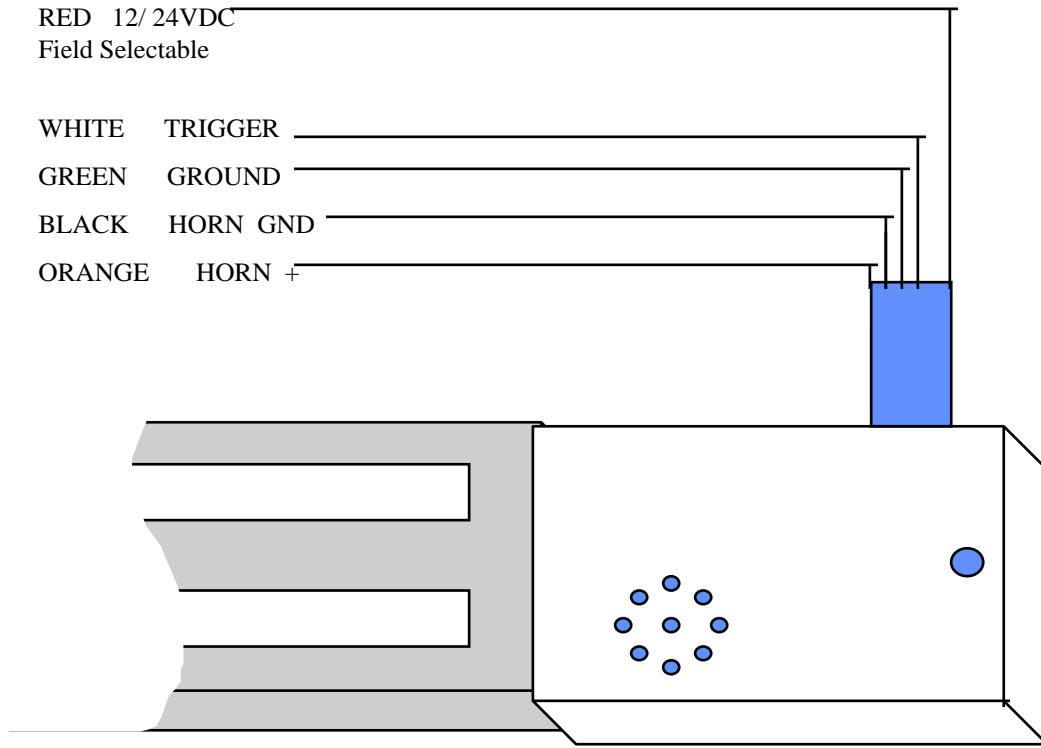
CAUTION: The Door and Latching Hardware must be in proper working order, correctly aligned, free from mechanical rubbing or binding, and the door must close firmly against the door stop to the system to operate. If proper installation does not occur, the warranty will be void.

TYPICAL INSTALLATION

Time Delay

Magnetic Lock





RED - Positive Voltage to the magnet. +12/24 VDC while lock is energized.

WHITE - Trigger voltage from the Sensor.

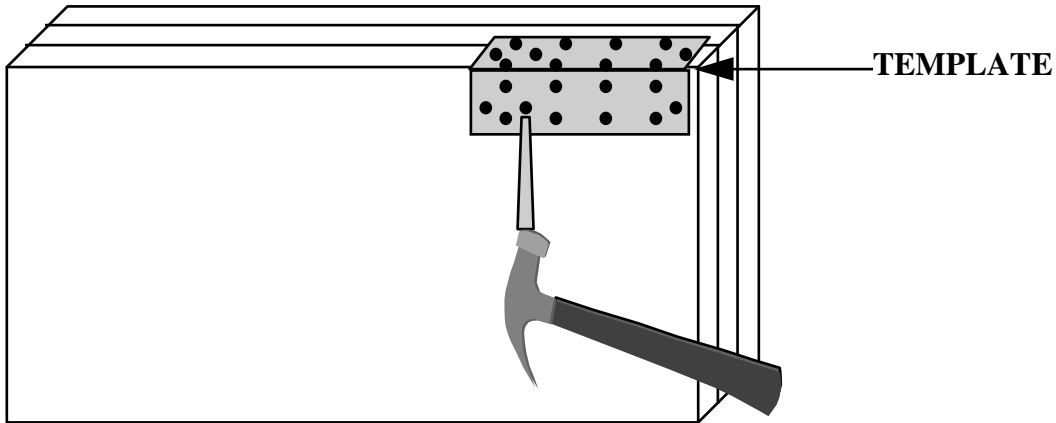
BLACK - Negative Horn

GREEN - Common ground to the magnet and electronics. All voltages are referenced to this ground.

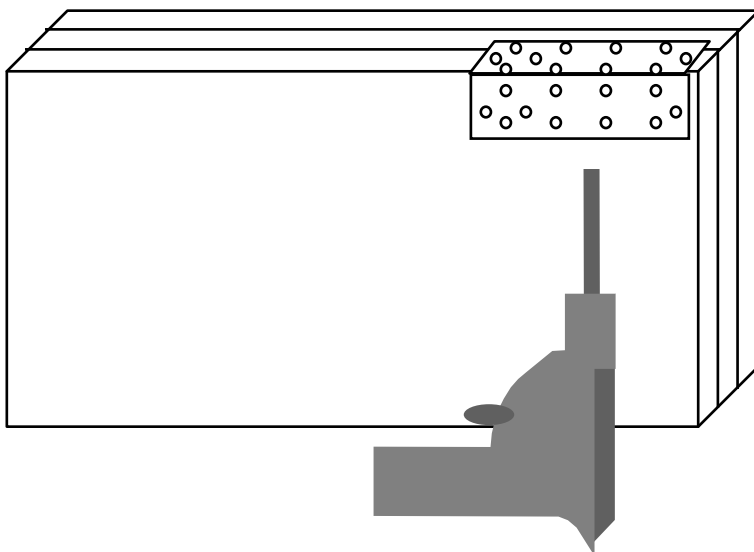
ORANGE - Positive Horn

Template Instructions

1. Fold the template along the FOLD line to form a 90 degree angle.
2. WITH THE DOOR CLOSED AND LATCHED, place the template on the latching side of the door and frame as per typical installation diagram and tape in place.
3. With center punch and hammer, mark all holes as indicated on the template.

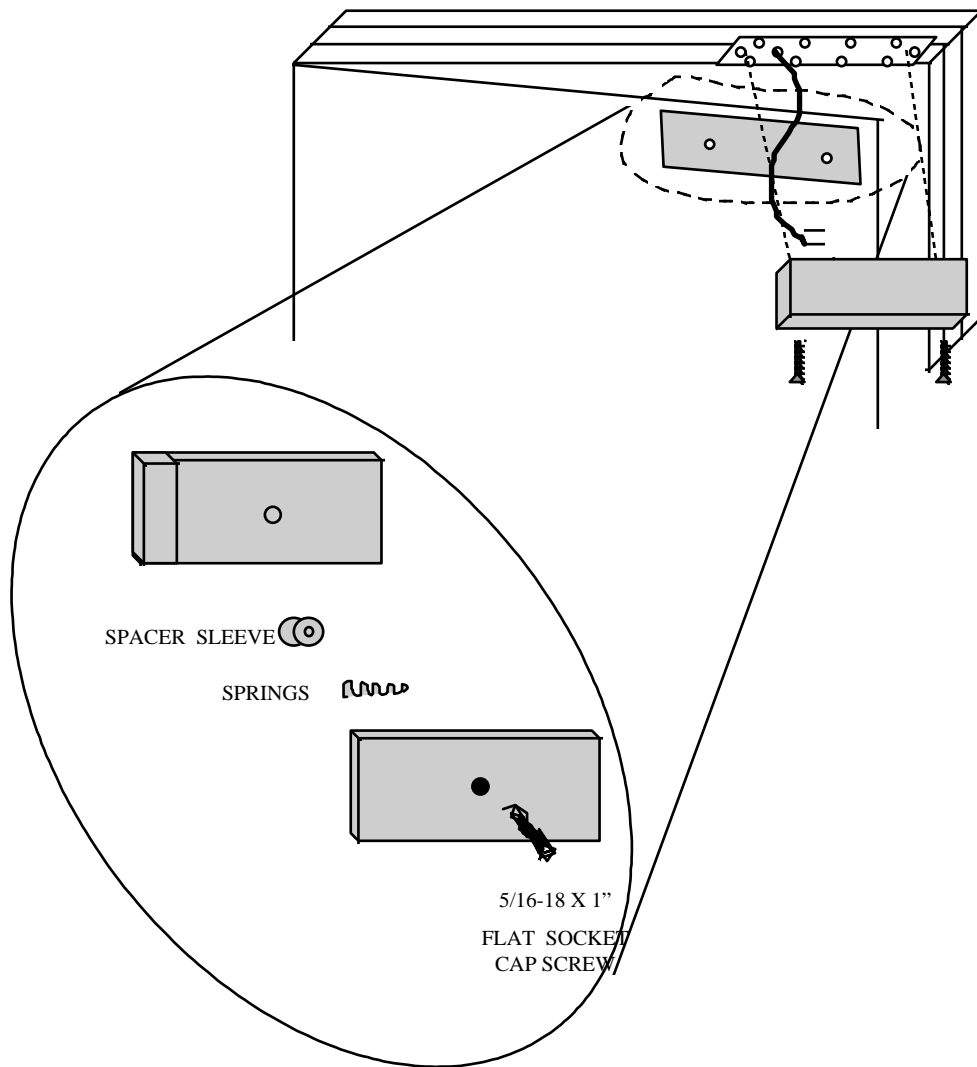


4. Drill all holes in the door and frame to the proper size and depth as indicated on the template.



5. Insert the two M5 X 24 roll pins into the back of the strike plate. Install strike plate to mounting plate with the spring slots in the back and on bottom. Insert the 5/16-18 X 1" through the STRIKE plate AND THE SPACER SLEEVES into

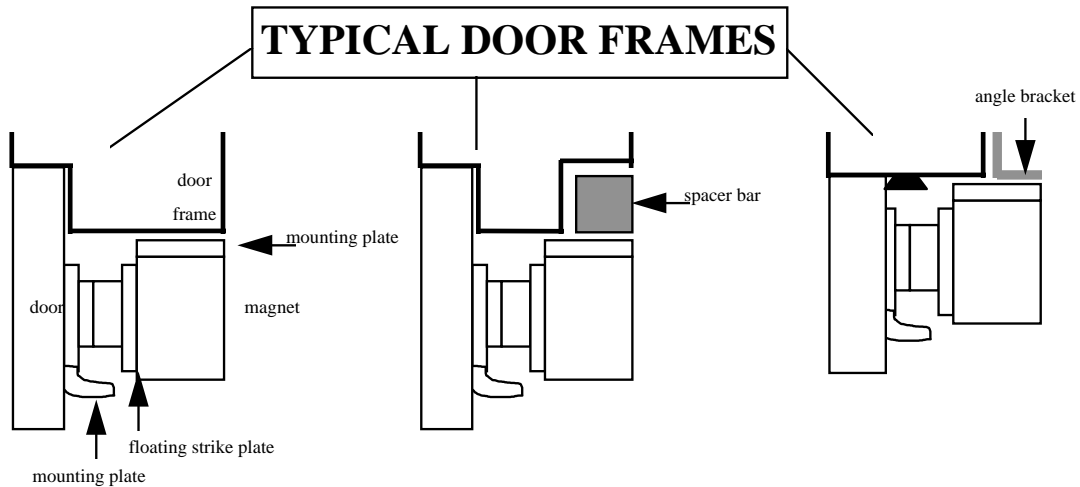
the mounting plate. Insert the springs behind the plate into the spring slots.



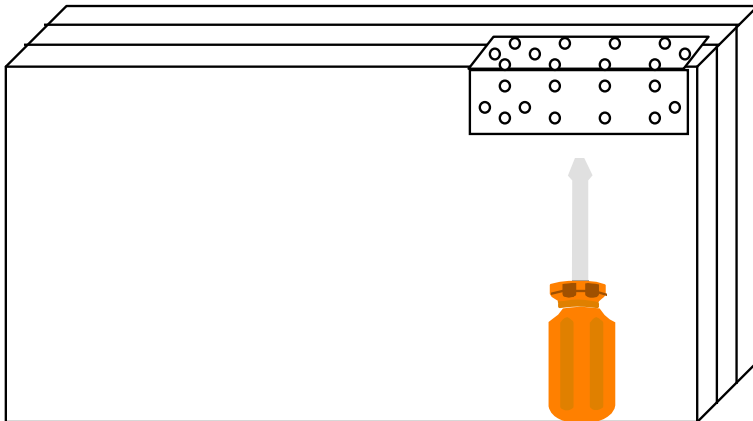
6. Attach the magnet to the mounting plate using the cap screws provided.
7. Tighten all screws to secure units to the door and frame.
8. Install anti-tamper plugs into the mounting screw holes on the magnet.

Mounting Instructions:

Referring to Typical Frame Sketch, determine the type of mounting hardware required for the installation. If additional filler plates or angle brackets are needed, contact supplier.

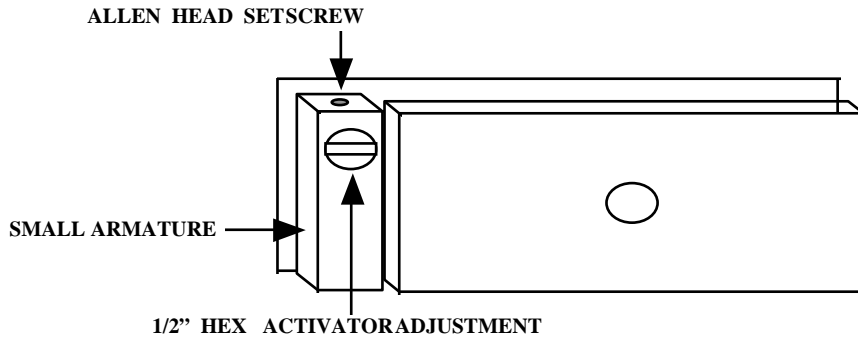


1. Remove template from door and frame.
2. Attach strike mounting plate to the door using the 10 x 1" self-tap screws provided.



3. Attach the magnet mounting plate to the header using the 10 x 1" self-tap screws provided. (1-1/2" screws provided for use with the spacer bar)
4. The 1/2 x 5/8" spacer bar (not supplied) may be needed (see typical mounting sketch). The spacer bar may be used as either a 1/2" or 5/8" spacer.

ACTIVATOR ADJUSTMENT



THEORY OF ADJUSTMENT

When the door is closed and latched, the magnet in the 1/2" hex screw on the small armature activates, signaling a secure status of the lock. When an attempt is made to open the door, the door is allowed to move outward, letting the activator change states. It is the movement of the door which signals the timing electronics that an attempt to open the door is being made. If the hex screw is not allowed to move away far enough, the door will not go into alarm. If the hex screw is not close enough to lock when the door is closed, the unit will signal a false alarm.

A. If the unit will not secure, or continuously goes into false alarm, then the activator adjustment screw must come further out from the small armature.

1. Remove power from the system to release the magnetic lock.
2. Referring to the activator adjustment diagram, loosen the Allen head set screw on top of the small rectangular block that houses the 1/2" hex screw.
3. Adjust the 1/2" hex screw **OUTWARD** in half turn increments. Repeat the testing procedure and resecure the set screw when

B. If the unit will secure but will not go into alarm and release the door, then the activator adjustment screw must go further in the small armature.

1. Remove power from the system to release the magnetic lock.
2. Referring to the activator adjustment diagram, loosen the Allen head set screw on top of the small armature block that houses the 1/2" hex crew.
3. Adjust the 1/2" hex screw **INWARD** in half turn increments. peat the testing

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