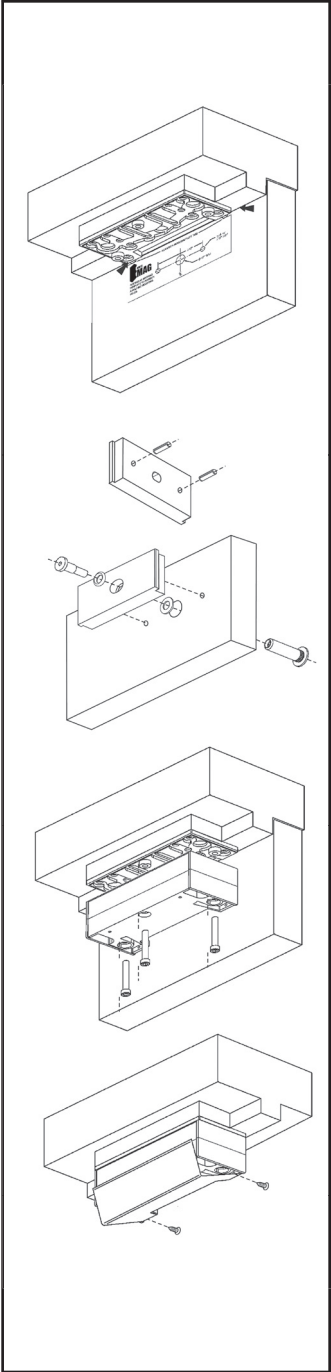


Door Prep/Armature Mounting

- 1 With the door closed, align the armature template between the tabs on the mounting plate and mark the three holes.
- 2 For Metal Doors: Locate the middle marked hole. Center punch and drill a 3/8" hole through the door. Enlarge hole from the outside face to 1/2".

For Wood doors: Drill a 1/2" hole through the door.
- 3 Center punch and drill two 1/4" (x 1/2" deep min.) holes in the inside face of the door for the two anti-rotation pins.
- 4 Lay the armature on a clean, flat surface and insert the 3/16" x 3/4" roll pins provided into the two holes on the back of the armature. Gently tap the roll pins with a small hammer or mallet until they are firmly seated.
- 5 Insert sex bolt from the outside face of the door.
- 6 Place the O-ring on the shoulder screw and insert through the armature.
- 7 Place the spring washer(s) on the shoulder screw to provide the spacing required for the armature to fully contact the MM15.
- 8 Locate the armature with roll pins onto the door.
- 9 Fasten shoulder screw to sex bolt with a 3/16" hex wrench using thread lock. Additional spring washers may be necessary to ensure that the armature floats properly, but is not loose.



MM15 Maglock Mounting

- 1 Remove the cover from the MM15.
- 2 Secure the MM15 to the mounting plate with the three 1/4-20 x 1-3/4" cap screws, feeding the wiring through the filler plate and header. If using conduit option, the wires exit through the side of the MM15 Maglock.
- 3 Replace the MM15 cover by aligning it with the tapped holes and pushing it up until the lip snaps into place.
- 4 Fasten cover with the two #6-32x1/4" flat head screws.

Electrical Installation and Wiring

The standard MM15 Maglock unit will operate on 12 to 24 VAC or VDC and is not polarity sensitive.

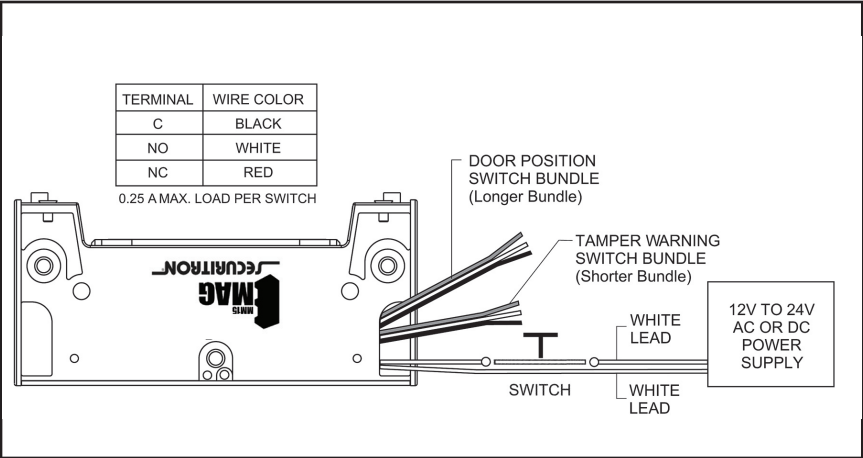
18-gauge (minimum) wire should be used to minimize voltage drop.

Connection of a reverse diode or M.O.V. in parallel with the MM15's power input is not necessary. The MM15's internal circuitry suppresses the inductive kickback often seen with electromagnetic coil locks.

Monitor Switches

MM15 Maglocks ordered with the monitoring option are fitted with two SPDT microswitches that provide the following indications:

- Door Position – Armature closed against the MM15 Maglock.
- Tamper Warning – Indicates that the MM15 is being forced enough to activate the locking arms.



Component List and Identification

QTY	COMPONENT
(1)	MM15 Maglock with Cover
(1)	Mounting Plate
(1)	Armature
(1)	Armature Template
(2)	Roll Pins - 3/16" x 3/4"
(1)	Sex Bolt
(1)	Shoulder Screw
(1)	Rubber O-Ring
(3)	Spring Washers
(4)	Blind Nuts
(4)	Pan Head Screws - 1/4-20x1"
(3)	Socket Head Cap Screws 1/4-20x1-3/4"
(1)	Hex Wrench
(2)	Threadlock
(8)	Wire Nuts

This product must be installed according to all applicable building and life safety codes.

SECURITRON MAGNALOCK CORPORATION warrants that it will replace at customer's request, at any time for any reason, products manufactured and branded by SECURITRON since January 1, 1999.

SECURITRON will use its best efforts to ship a replacement product by next day air freight at no cost to the customer within 24 hours of SECURITRON's receipt of the product from customer. If the customer has an account with SECURITRON or a valid credit card, the customer may order an advance replacement product, whereby SECURITRON will charge the customer's account for the price of the product plus next day air freight, and will credit back to the customer the full amount of the charge, including outboard freight, upon SECURITRON's receipt of the original product from the customer. SECURITRON's sole and exclusive liability, and customer's sole remedy, is limited to the replacement of the SECURITRON product when delivered to SECURITRON's facility (freight and insurance charges prepaid by customer).

The replacement, at SECURITRON's sole option, may be the identical item or a newer unit which serves as a functional replacement. In the event that the product type has become obsolete in SECURITRON's product line, this MAGNACARE warranty will not apply. This MAGNACARE warranty also does not apply to custom, built to order, or non-catalog items, items made by others (such as batteries), returns for payment, distributor stock reductions, returns seeking replacement with anything other than the identical product, or products installed outside of the United States or Canada. This MAGNACARE warranty also does not apply to removal or installation costs.

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EXCEPT AS STATED ABOVE, SECURITRON MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, AS TO ANY MATTER WHATSOEVER, INCLUDING WITHOUT LIMITATION THE CONDITION OF ITS PRODUCTS, THEIR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

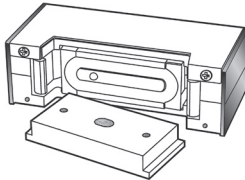


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Installation Instructions

This product must be installed according to all applicable building and life safety codes.



MM15 Maglock Mounting Basics

Maglocks are used in a wide variety of applications; therefore it is important to inspect the door frame area for proper placement of the device. For optimum performance, the mounting surface should be strong enough so that the full holding strength of the MM15 is utilized.

Different door frame configurations require specific fastening methods. A filler plate or header extension bracket is often needed to properly support the MM15. Steel blind nuts are the preferred method of mounting in steel and aluminum frame construction, although drilling and tapping is acceptable in reinforced hollow metal frames. A minimum of four blind nuts are required to provide adequate strength.

For standard applications, the electro-magnet should be mounted firmly to the underside of the header in the corner farthest away from the hinges. The armature mounts to the face of the door with special hardware, which allows for proper floating action. This action is very important in assuring total mating of the armature with the face of the electro-magnet.

Handle all electro-magnetic locks and armature plates carefully. Any damage to the mating surfaces may significantly reduce holding efficiency.

Site Survey

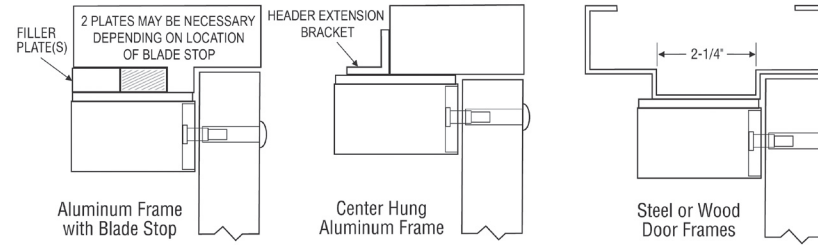
When used with frames with an integral jamb or with narrow frames that do not fully support the MM15, use the appropriate filler plate or header extension bracket to adequately support the base of the MM15. A Z-Bracket is required when installing the MM15 on in-swinging door. The Z-Bracket installation instructions are included in the MM15 Z-Bracket Kit.

Aluminum Door Systems:

Door frames with blade-type/narrow stops will require a filler plate. The height of the stop is needed when ordering filler plates. Narrow frame sections and centerhung doors require an angle bracket to support the MM15.

Steel/Wood Door Frames:

For adequate support, a door with stops less than 2-1/4" wide should be fitted with a filler plate.



Frame Preparation

Frames need to be marked for drilling using the mounting plate as a template. Doors need to be marked for drilling using the plastic armature template. All measurements should be made with the door in the fully closed position.

To ensure the proper location of the maglock and armature for successful mounting, adjust the MM15 to clear other hardware or door and frame features that would interfere with the installation.

1 Place the filler plate on the mounting plate. The filler plate should be aligned with the back edge and sides of the mounting plate.

2 With the door fully closed, locate the mounting plate and the filler plate to the header with the alignment tabs resting on the face of the door. Using the predrilled holes in the center of the filler plate and two of the furthest forward corner holes, mark four holes for mounting the two plates to the header.

3 If not using conduit, mark one of the wire feed hole locations.

Installation shown with use of filler plate. Mounting will differ for other applications.

WARNING:

This device is capable of holding 4000 lbs. It is the responsibility of the installer to provide adequate strength to prevent screw pullout or collapse of the frame or header.

4 In each mounting location, drill a 3/8" hole in the header and install Blind Nuts, using the supplied hex wrench. Refer to Blind Nut installation instructions in the mounting hardware kit.

Note: In reinforced steel frames, it is permissible to drill a 13/64" hole and tap for 1/4-20 pan head screws.

5 If not using conduit, drill one 9/16" (or 3/8" minimum) wire feed hole in the door frame.

6 Replace the mounting plate and filler plate, then secure with pan head screws using thread lock.

6 Additional screws may be installed for added stability and strength in any of the alternate holes.

