Electromagnetic Door Holder
Model 2801

ELECTRICAL DATA SHEET

THIS PRODUCT IS AN ELECTROMAGNETIC HOLDING DEVICE INTENDED FOR USE IN FIRE DOOR APPLICATIONS, BUT CAN BE USED FOR OTHER MAGNETIC APPLICATIONS. WIRE INTO PROPER TERMINALS AS NOTED BELOW.

PLEASE READ INSTRUCTIONS CAREFULLY!!

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<th>AC/MA</th>
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SEE WIRING DIAGRAMS TO THE RIGHT FOR YOUR APPLICATION

CAUTION
DO NOT LEAVE WIRE EXPOSED

WIRING FOR 120 VAC

WIRING FOR 24 VAC

WIRING FOR 24 VDC

WIRING FOR 12 VDC

COVER SCREWS

COVER ASSEMBLY

MOUNTING BASE

GASKET

FLOOR MOUNTED MAGNETIC DOOR HOLDER

DOOR ARMATURE

DOOR ARMATURE

ILLUSTRATION 1-1

ILLUSTRATION 1-2
Step #1 Locations of Magnet Box:
1-1 Find the following:
  1. Pivot point of door
  2. Door Width (Inches)
  3. Maximum degree of door opening permitted by door opener.
     (Note trim and partition clearance needed)
1-2 Determine arc length by subtracting 5 5/8" from width of door.
   Example: If door is 36"
   Width of door 36"
   Subtract 5 5/8"
   Arc Length = 30 3/8"
1-3 Determine degree of desired door opening with consideration for partition
   Allow 6" Dia clearance around conduit and any partition for 2600 Series assembly
   (See drawing below)
   (Conduit should be located on an arc and 4 1/8" from the pull side of
door, where the door is on the maximum degree of door opening)

Step #2 Installation of Wall Magnet Box:
2-1 Locate magnet assembly on pull side of door near bottom rail
   Approximately 6" from lock edge using floor mounting base
   as template. See illustration below.
2-2 Using the marked locations, drill mounting holes in floor for 5/8" floor anchors.
2-3 Mount magnet base to floor using 5/8" anchors and screws.
2-4 For detail on electrical wiring, read the specific "Electrical Data Sheet"
   at the end of this documentation.
   IMPORTANT: Check that power voltage equals voltage labeled
   on back of magnet

Step #2 Continued:
2-5 Position cover gasket on base.
2-6 Assemble cover to base plate using provided mounting screws.

Step #3 Installation of door armature hardware:
3-1 With the magnet box securely fastened, aligned and energized, place
   and center the door armature on the surface of the magnet with the two holes
   of the base aligned either vertically or horizontally.
3-2 Gently close the door and adjust the angle of the door armature so the
   base lays flat against the door.
3-3 While keeping slight pressure on the door, mark location of door
   armature through the two base holes. The two marks should be 1 3/4" apart
   and the center line of the door armature should be approximately 6" form
   the lock edge of the door.
3-4 Depending on the mounting option that you choose:
   For concealed Mounting,
   Drill a 1/2" deep hole where the two marks are located with a 1/16" maximum
diameter drill as pilot holes for wood screws. In reinforced metal door, drill
   & tap for #10-32 screw
   OR:
   For through bolt Mounting,
   Drill through the door where the two marks are located with a 5/16" drill.
3-5 Mount the door armature on the door:
   For concealed Mounting,
   Use two #10 pan head phillips wood screws or two #10-32 screws
   depending on type of door (See step 3-4)
   OR:
   For through bolt Mounting,
   Use two #10-32 screws with two #10-32 x 1 1/4" sex bolt.