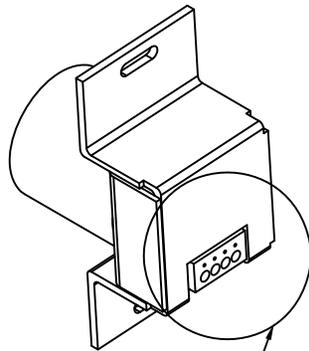


ELECTRICAL DATA SHEET

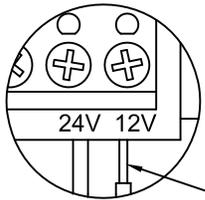
THIS PRODUCT IS AN ELECTROMAGNETIC HOLDING DEVICE INTENDED FOR USE IN FIRE DOOR APPLICATIONS, BUT CAN BE USED FOR OTHER MAGNETIC APPLICATIONS. WIRE INTO PROPER TERMINALS AS NOTED BELOW:

PLEASE READ INSTRUCTIONS CAREFULLY!!

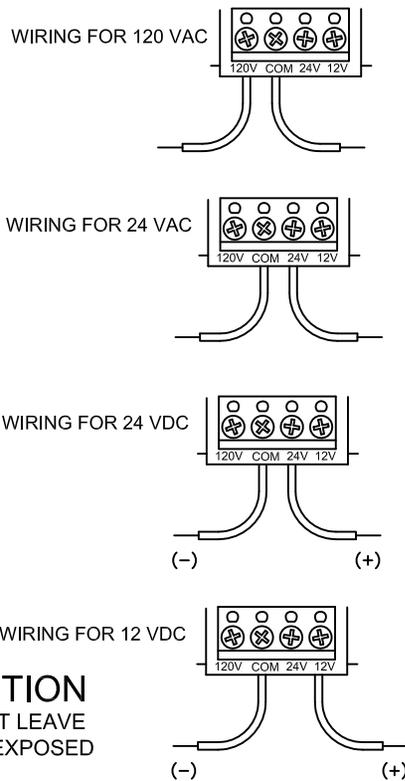
Series	Voltage	DC/mA	DC/VA	AC/mA	AC/VA	Terminals
2803	12 DC	60	.72			Com & 12 v
	24 AC/DC	30	.72	30	.72	Com & 24 v
2804	120 AC			30	3.60	Com & 120 v



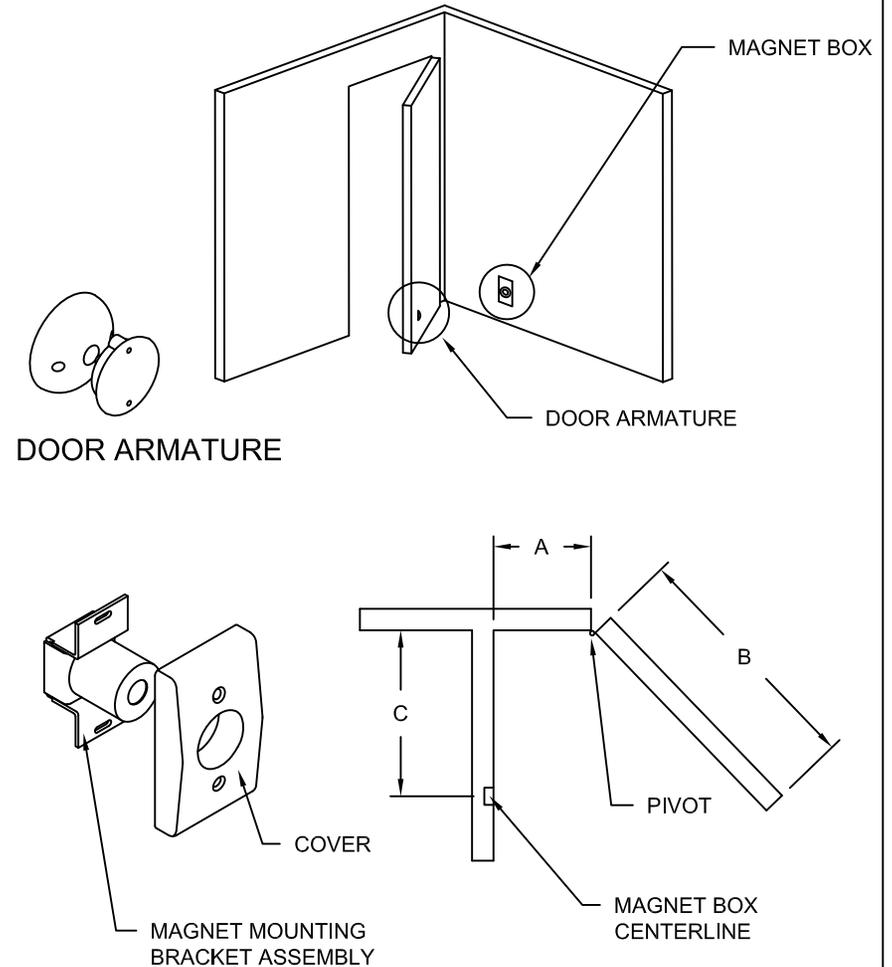
SEE WIRING DIAGRAMS TO THE RIGHT FOR YOUR APPLICATION



CAUTION
DO NOT LEAVE WIRE EXPOSED



ELECTROMAGNETIC DOOR HOLDER ASSEMBLY INSTRUCTIONS & ELECTRICAL CONFIGURATIONS



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Electromagnetic Door Holder Models 2803/2804

M28032804IN-01 06/2010 Page 1 of 2

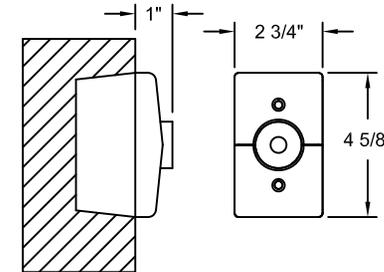
Step #1 Locations of Magnet Box:

- 1-1 Measure distance from pivot centerline to wall (Dim A)
- 1-2 Determine door width (Dim B)
- 1-3 To locate magnet box use Table below.
- 1-4 Dim C is the distance from the pivot centerline to the magnet box centerline.
Example: Dim A=10" Dim B=42" Result: Dim C=38 7/8"
- 1-5 If Dim A and Dim B falls between the numbers listed in the table allow for difference.
Example: Dim A=7" Dim B=36" Estimated Dim C=33 1/8"
- 1-6 If Dim A and Dim B intersect in the shaded area, DO NOT INSTALL magnet box:
The degree of door opening will not permit proper alignment between armature and wall magnet.
- 1-7 Suggested vertical location is on top rail approximately 5" from top of door.
- 1-8 Check degree of door opening shown in table and coordinate with door closers and other door hardware.
- 1-9 Total projection of door hardware must not be more than 3 5/8" on the pull side of door.

Dim B	28		30		32		34		36		38		40		42		44		46		48	
Dim A	Dim C	Deg																				
2	25 3/8	86	27 1/8	87	29 3/8	87	31 3/8	87	33 3/8	87	35 3/8	87	37 3/8	88	39 3/8	88	41 3/8	88	43 3/8	88	45 3/8	88
4	25 3/8	91	27 3/8	91	29 3/8	91	31 3/8	91	33 3/8	91	35 3/8	91	37 3/8	91	39 3/8	91	41 3/8	91	43 3/8	90	45 3/8	90
6	25 1/4	95	27 1/4	95	29 5/8	95	31 1/4	94	33 1/4	94	35 1/4	94	37 1/4	94	39 1/4	93	41 1/4	93	43 1/4	93	45 1/4	93
8	25	100	27	99	29	99	31	98	33	98	35 1/8	97	37 1/8	97	39 1/8	96	41 1/8	96	43 1/8	96	45 1/8	96
10	24 1/2	105	26 5/8	103	28 5/8	103	30 3/4	102	33	101	34 3/4	100	36 7/8	100	38 7/8	99	41	99	43	98	45	98
12	24	109	26	108	28 1/8	107	30 1/4	105	32 3/8	105	34 3/8	104	36 3/8	103	38 1/2	102	40 1/2	102	42 1/2	101	44 5/8	101
14	23 1/8	114	24 3/8	112	27 1/2	111	29 5/8	109	31 3/4	108	33 7/8	107	35 7/8	106	38	105	40	105	42 1/8	104	44 1/8	103
16	22 1/8	119	24 3/8	117	26 5/8	115	28 7/8	113	31	112	33 1/8	110	35 1/4	109	37 3/8	108	39 1/2	107	41 5/8	107	43 5/8	106
18			24 1/4	122	25 5/8	119	27 7/8	117	30 1/8	116	32 3/8	114	34 1/2	113	36 3/4	111	38 3/4	110	41	109	43	108
20							26 3/4	123	29	119	31 3/8	118	33 5/8	116	35 3/4	115	38	113	40 1/8	112	42 3/8	111
22									27 7/8	123	30 3/8	121	32 1/2	119	34 7/8	118	37	116	39 1/4	115	41 1/2	114
24											31 3/8	123	33 3/4	121	36	120	38 1/4	118	40 1/2	117		

Step #2 Continued:

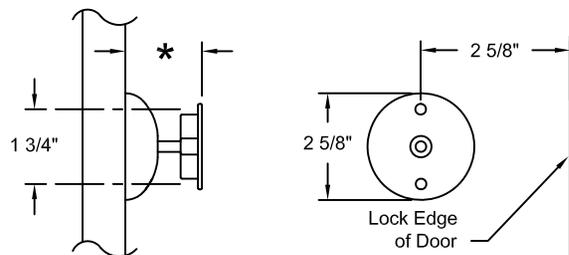
- 2-3 The 2 3/4 x 4 1/2 x 1 1/2 outlet box must be inserted in the wall in such a way that the center line of the outlet box coincides with the line created in 2-1.
 - 2-4 The box should be installed with reinforcement to withstand a minimum 50 lb. pull.
 - 2-5 The height of the outlet box must be chosen so the door armature can be installed at the same height on the door without interfering with the other door hardware.
 - 2-6 Install and verify the proper bracket and cover alignment.
 - 2-7 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.



An outlet box should be mounted with reinforcement to withstand load from door

Step #2 Installation of In-Wall Magnet Box:

- 2-1 Locate on the wall the dimension DimC by tracing a temporary vertical line at the distance Dim C (calculated in the previous step) from corner of the wall.
- 2-2 Proper electrical wire routing must be done before installing magnet box



Use Sex Bolt and #10-32 for thru bolt mounting

* 2-5/8" (2803) / 1-5/8" (2804)

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 2 5/8" from the lock edge of the door.
- 3-4 Depending of 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.



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