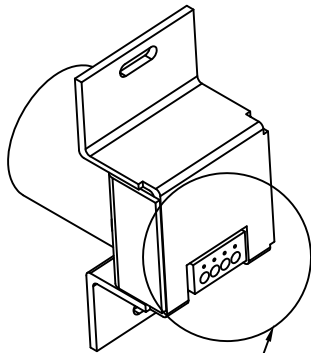


## ELECTRICAL DATA SHEET

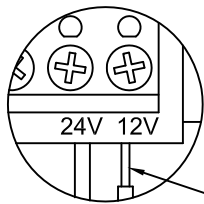
THIS PRODUCT IS AN ELECTROMAGNETIC HOLDING DEVICE INTENDED FOR USE IN FIRE DOOR APPLICATIONS, BUT CAN BE USED FOR OTHER MAGNETIC APPLICATIONS. WIRE INTO PROPER TERMINALS AS NOTED BELOW:

**PLEASE READ INSTRUCTIONS CAREFULLY!!**

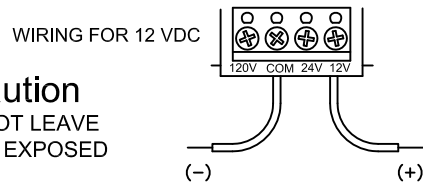
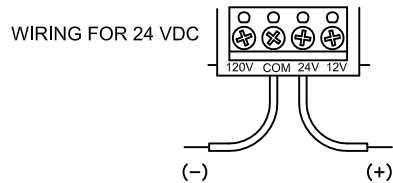
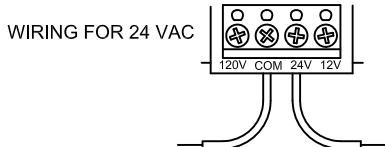
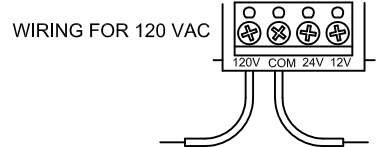
Series	Voltage	DC/mA	DC/VA	AC/mA	AC/VA	Terminals
2805	12 DC	60	.72			Com & 12 v
	24 AC/DC	30	.72	30	.72	Com & 24 v
	120 AC			30	3.60	Com & 120 v



See Wiring diagrams to the right for your application

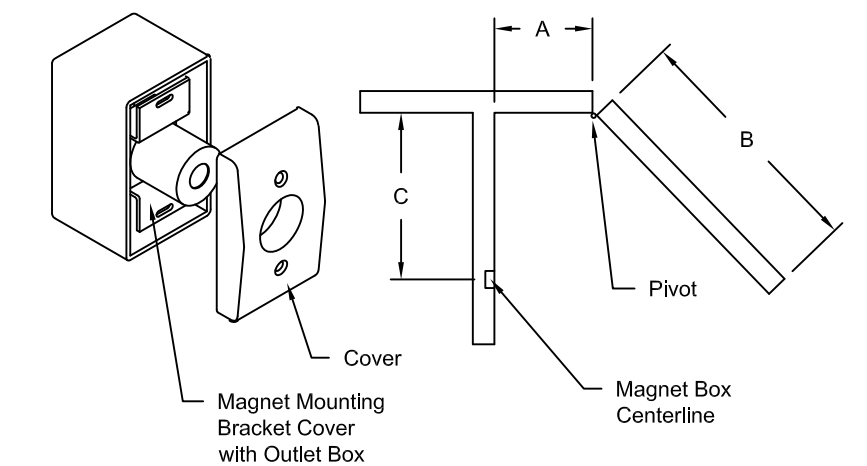
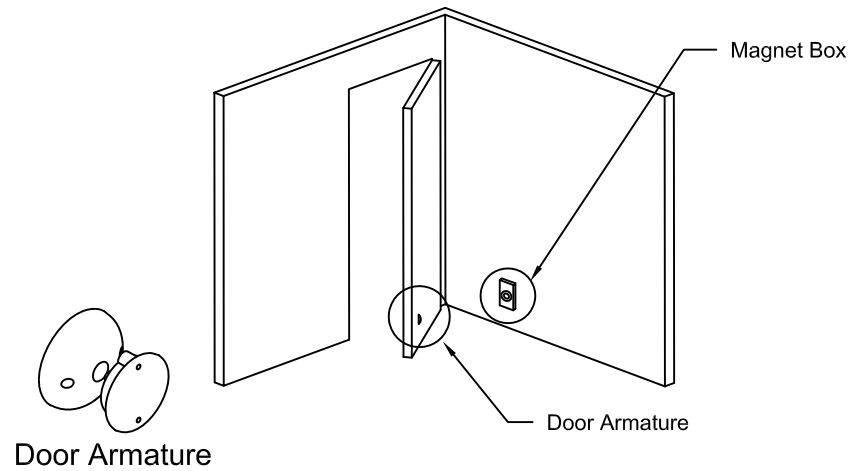


**Caution**  
DO NOT LEAVE WIRE EXPOSED



## ELECTROMAGNETIC DOOR HOLDER

### Assembly Instructions & Electrical Configurations



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## Electromagnetic Door Holder

### Model 2805

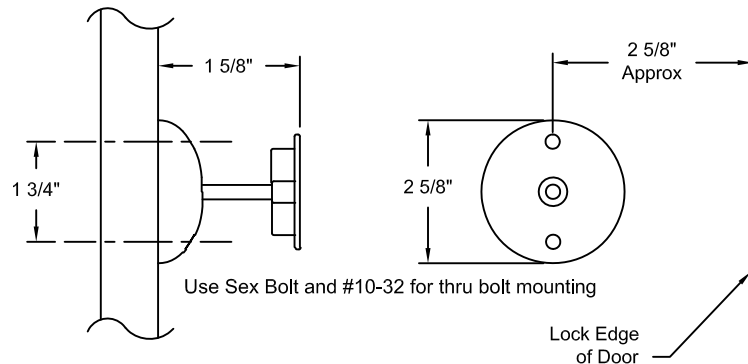
### Step #1 Locations of Magnet Box:

- 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=39"
- 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 7/16"
- 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 4 1/8" on the pull side of door.

Dim B	28	30	32	34	36	38	40	42	44	46	48											
Dim A	Dim C	Deg	Dim C	Deg	Dim C	Deg	Dim C	Deg	Dim C	Deg	Dim C	Deg	Dim C	Deg	Dim C	Deg	Dim C	Deg				
2	25 1/4	84	27 1/4	84	29 1/4	85	31 1/4	85	33 1/4	85	35 1/4	86	37 1/4	86	39 1/4	86	41 1/4	86	43 1/4	87	45 1/4	87
4	25 3/8	89	27 3/8	89	29 3/8	89	31 3/8	89	33 3/8	89	35 3/8	89	37 3/8	89	39 3/8	89	41 3/8	89	43 3/8	89	45 3/8	89
6	25 3/8	93	27 3/8	93	29 3/8	93	31 1/4	93	33 3/8	92	35 1/4	92	37 1/4	92	39 1/4	92	41 3/8	92	43 3/8	92	45 1/4	92
8	25 1/4	98	27 1/8	97	29 1/8	97	31 1/4	96	33 1/4	96	35 1/4	95	37 1/4	95	39 1/4	95	41 1/4	95	43 1/4	94	45 1/4	94
10	24 3/4	102	26 7/8	101	28 7/8	101	31	100	33	99	35	99	37	98	39	98	41	97	43	97	45	97
12	24 3/8	107	26 1/4	106	28 3/8	105	30 1/2	104	32 1/2	103	34 5/8	102	36 5/8	101	38 5/8	101	40 3/4	100	42 3/4	100	44 3/4	99
14	23 5/8	112	25 3/4	110	27 7/8	109	30	107	32	106	34 1/8	105	36 1/8	105	38 1/4	104	40 1/4	103	42 3/8	102	44 3/8	102
16	22 5/8	117	24 7/8	115	27 1/8	113	29 1/4	111	31 3/8	110	33 1/2	109	35 5/8	108	37 3/4	107	39 3/4	106	41 7/8	105	43 7/8	105
18	21 5/8	122	23 7/8	119	26 1/8	117	28 3/8	115	30 5/8	114	32 3/4	112	34 7/8	111	37	110	39 1/8	109	41 1/2	108	43 1/4	107
20			22 5/8	124	25	122	27 3/8	119	29 5/8	118	31 7/8	116	34	114	36 1/4	113	38 1/2	112	40 1/2	111	42 3/4	110
22							26 1/8	124	28 1/2	121	30 7/8	119	33	119	35 3/8	116	37 1/2	115	39 3/4	114	42	113
24											29 5/8	123	32	121	34 1/4	119	36 1/2	118	38 3/4	117	41	115
26															33 1/8	123	35 3/8	121	37 3/4	120	40	118

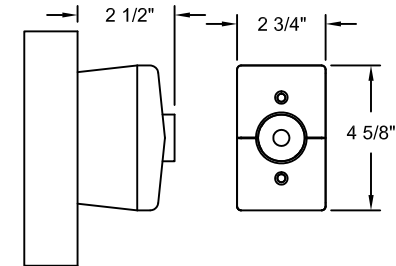
### Step #2 Installation of Wall Magnet Box:

- 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



### Step #2 Continued:

- 2-3 The 2 3/4 x 4 1/2 x 1 1/2 outlet box must be mounted on 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 #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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**Electromagnetic Door Holder  
Model 2805**