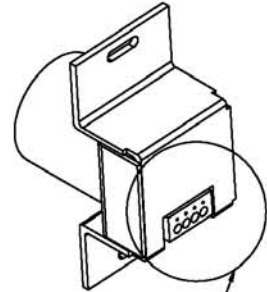


## ELECTRICAL DATA SHEET

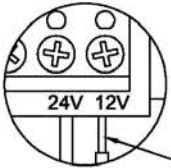
THIS PRODUCT IS AN ELECTROMAGNETIC HOLDING DEVICE INTENDED FOR USE IN FIRE DOOR APPLICATIONS, BUT CAN BE USED FOR OTHER MAGNETIC APPLICATIONS. WIRE INTO PROPER TERMINALS AS NOTED BELOW:

**PLEASE READ INSTRUCTIONS CAREFULLY!!**

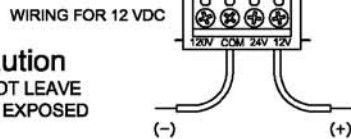
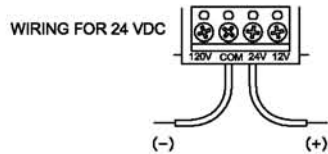
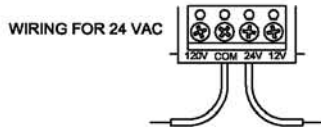
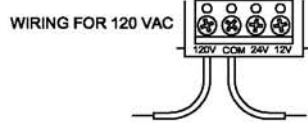
Series	Voltage	DC/mA	DC/VA	AC/mA	AC/VA	Terminals
2300	12 DC	80	.72			Com & 12 v
	24 AC/DC	30	.72	30	.72	Com & 24 v
	120 AC			30	3.60	Com & 120 v



See Wiring diagrams to the right for your application

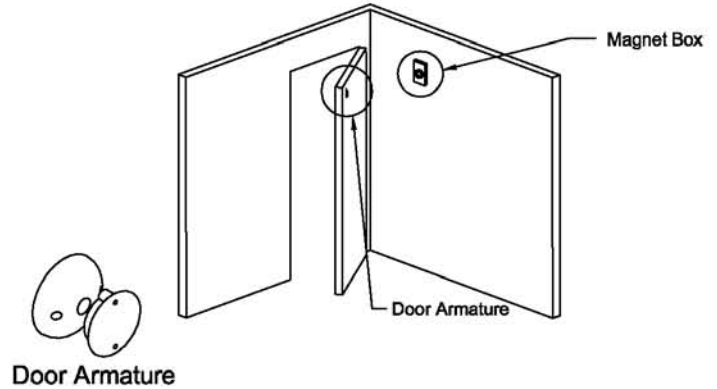


**Caution**  
DO NOT LEAVE  
WIRE EXPOSED

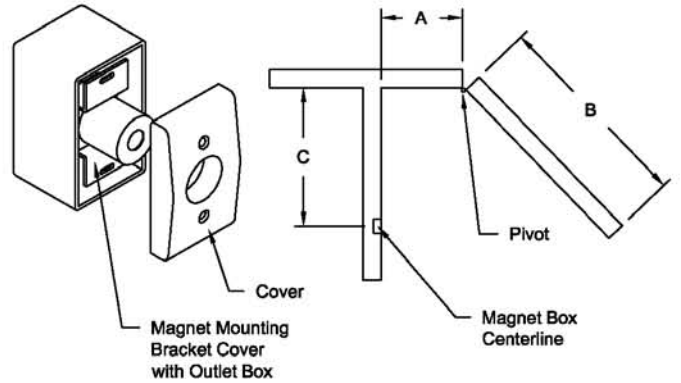


## ELECTROMAGNETIC DOOR HOLDER

Assembly Instructions  
&  
Electrical Configurations



Door Armature



Magnet Mounting  
Bracket Cover  
with Outlet Box

Magnet Box  
Centerline

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## Step #1 Locations of Magnet Box:

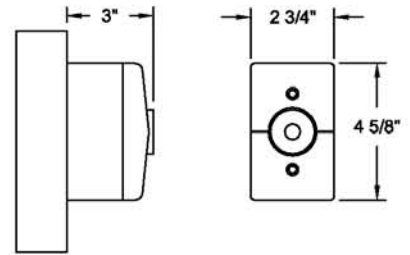
- 1-1 Measure distance from pivot centerline to wall (Dim A)
- 1-2 Determine door width (Dim B)
- 1-3 To locate magnet box use Table below.
- 1-4 Dim C is the distance from the pivot centerline to the magnet box centerline.  
Example: Dim A=10" Dim B=42" Result: Dim C=39"
- 1-5 If Dim A and Dim B falls 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
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
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
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
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
10	24 3/4	102	26 7/8	101	28 7/8	101	31	100	33	99	35	99
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
14	23 5/8	112	25 3/4	110	27 7/8	109	30	107	32	106	34 1/8	105
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
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
20			22 5/8	124	25	122	27 3/8	119	29 5/8	118	31 7/8	116
22					26 1/8	124	28 1/2	121	30 7/8	119	33	119
24									29 5/8	123	32	121
26									33 1/8	123	35 3/8	121

## 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.

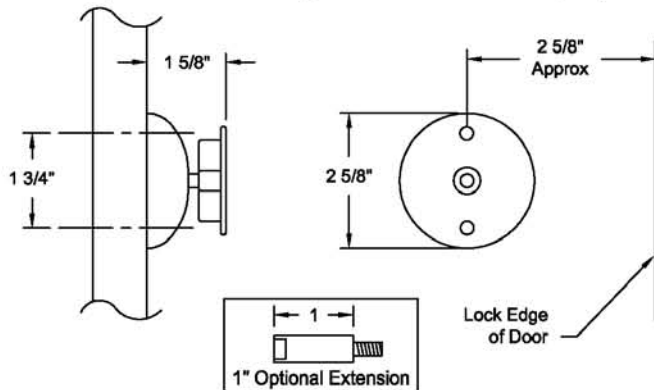
IMPORTANT: Check that power voltage equals voltage labeled on back of magnet.



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

## Step #2 Installation of Wall Magnet Box:

- 2-1 Locate on the wall the dimension Dim C 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 #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 For mounting the armature to the door:  
For through bolt mounting  
Drill through the door where the two marks are located with a 5/16" drill. Use two #10-32 x 1 1/4" sex bolt.

### For concealed Mounting

Contact factory

SCREW DETAIL		
	QTY	SCREW
MAGNET ASSY TO ELECTRICAL BOX	2	#6-32 X 1" PAN HD MS
MAGNET COVER	2	#6-32 X 1" FHMS
ARMATURE	2	#10-32 X 1" PAN HD MS #10-32 X 1-1/4" SNB

2300-2-03.DWG

# 2300 - Surface Wall Mount

## Standard Features

- 4-5/8" total projection from wall to face of door (5-5/8" if using complimentary 1" extension)
- Tri-voltage units for easy stocking and installation 12V DC, 24V AC/DC or 120V AC
- Provided with one complimentary 1" extension - No charge
- Optional extension rods fill the gap between the magnet and door armature with no special adapter piece required (see page D-8)
- 35 lb. holding force
- All metal components - No plastic parts
- UL/ULC listed for smoke barrier or labeled fire doors
- Listed by the California State Fire Marshall
- Armature features two pivot points which each have 360° mobility to help door alignment and reduce installation time
- Positive release button alleviates residual magnetism
- Average weight per unit = 3 lbs.

