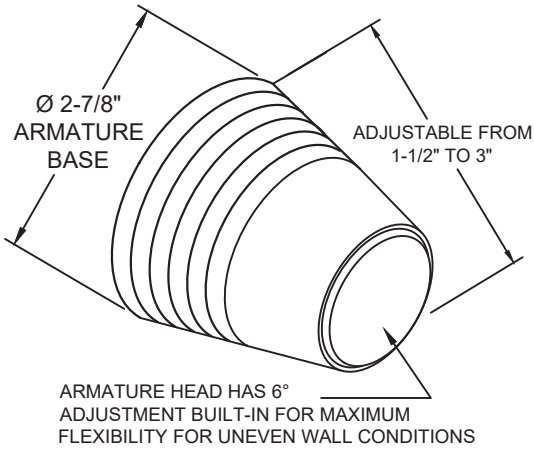
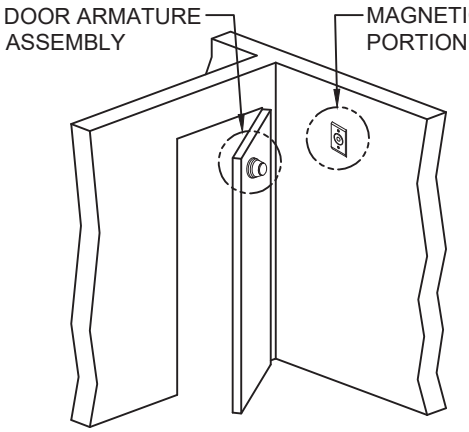
2400LR LIGATURE-RESISTANT ELECTROMAGNETIC DOOR HOLDER,

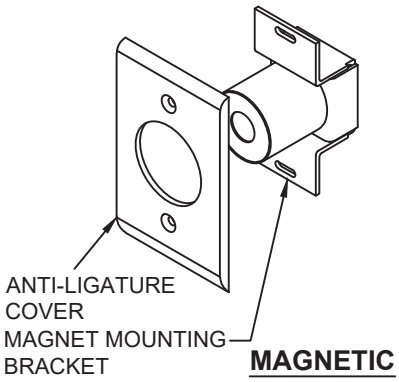
FLUSH WALL MOUNT



DOOR ARMATURE ASSEMBLY

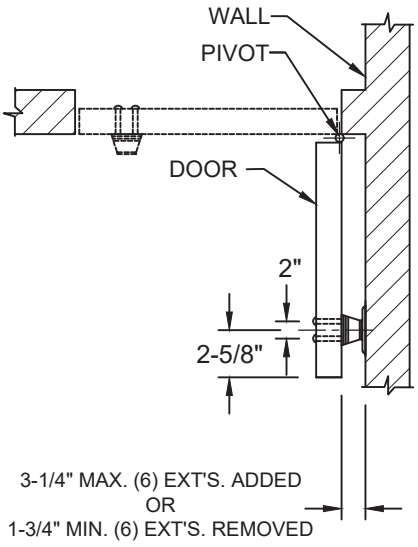


FRONT VIEW



2400LR

MAGNETIC WALL PORTION

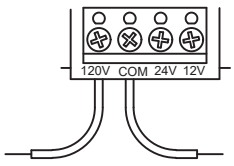


TOP VIEW

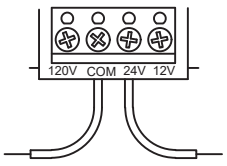
ELECTRICAL DATA:

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:

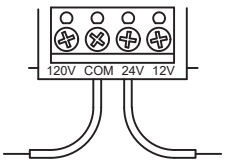
SERIES	VOLTAGE	DC/mA	DC/VA	AC/mA	AC/VA	TERMINALS
LR2400	12 DC	60	.72			Com & 12 v
	24 AC/DC	30	.72	30	.72	Com & 24 v
	120 AC			30	3.60	Com & 120 v



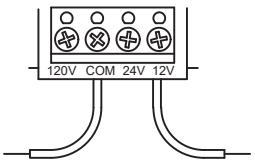
WIRING FOR 120 VAC



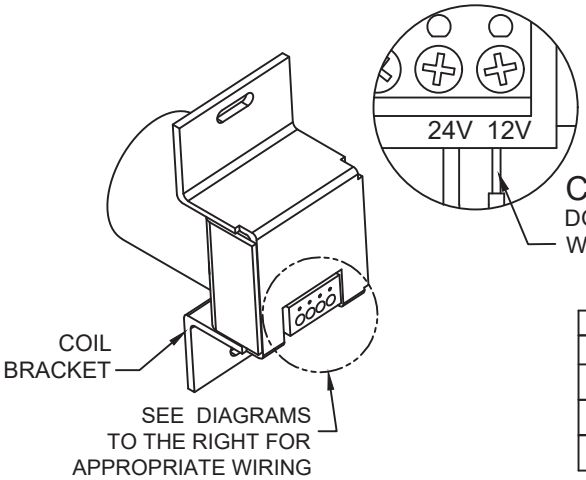
WIRING FOR 24 VDC



WIRING FOR 24 VAC



WIRING FOR 12 VDC



SCREW DETAIL		
	QTY	SCREW
MAGNETIC WALL PORTION	2	6-32 x 1" OVAL HEAD MACHINE SCREW
MAGNETIC COVER	2	6-32 x 3/4" S.S. PIN TORX FLAT HEAD MACHINE SCREW
DOOR ARMATURE	2	1/4-20 x 2" S.S. PIN TORX ROUND HEAD MACHINE SCREW

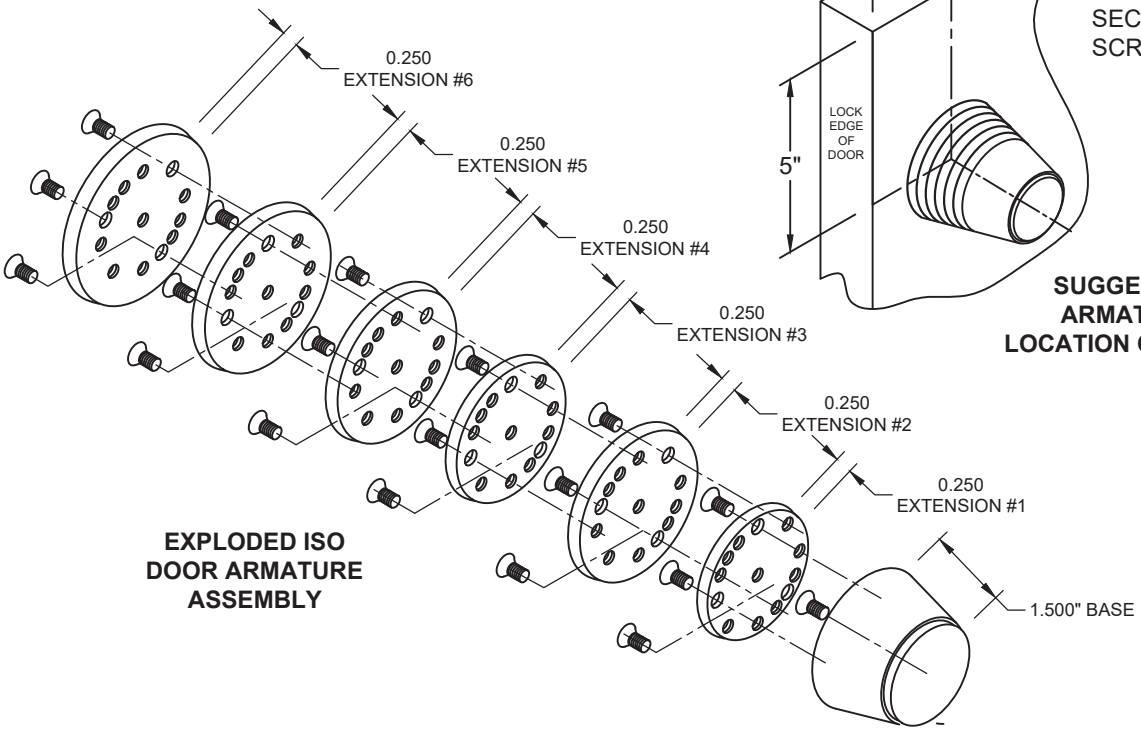
2400LR-1-03.DWG

ARCHITECTURAL BUILDERS HARDWARE
FAMILY-OWNED SINCE 1991 & MADE IN ITASCA, USA.

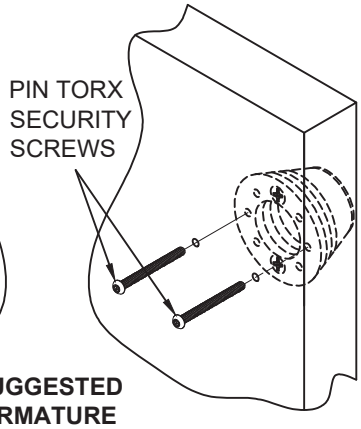
ABHMFG.COM
abhinfo@abhmfg.com
630.875.9900

2400LR LIGATURE-RESISTANT ELECTROMAGNETIC DOOR HOLDER,

FLUSH WALL MOUNT



EXPLODED ISO DOOR ARMATURE ASSEMBLY

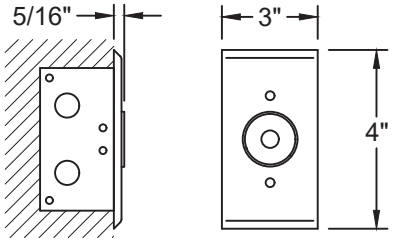


SUGGESTED ARMATURE LOCATION ON DOOR

WALL PORTION INSTALLATION:

1. Distance from door to wall dimension to be between 3-1/4" to 1-1/2".
2. Suggested vertical location is on top approximately 5" from top of the door.
3. Total projection of door hardware must not be more than 1-1/2" to 3-1/4" on the pull side of door. depending on how many extensions are removed.
4. Proper electrical wire routing must be done before installing electrical box.
5. The electrical box should be installed with reinforcement to withstand a minimum 50 lb. pull (not provided with unit).

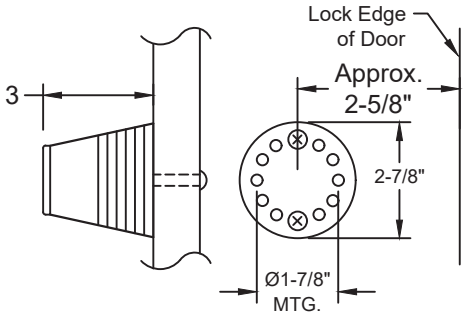
IMPORTANT : a. Check that power voltage equals one of the voltages labeled on back of magnet.
b. Consult " ELECTRICAL DATA" on page 1.



DOOR ARMATURE INSTALLATION:

1. Place and center the door armature on the surface of the magnet.
2. Close the door so the base lays flat against the door.
3. While keeping slight pressure on the door, mark the circumference of the armature base.
4. Draw a horizontal line across the door armature base mark.
5. Measure 7/16" for the first hole and then 1-7/8" for the second hole.
6. Drill through the door where the two marks are located with 5/16" drill. Fasten armature with the (2) 1/4-20 machine screws provided.

NOTE: 1. All dimensions are provided in inches, unless noted otherwise.

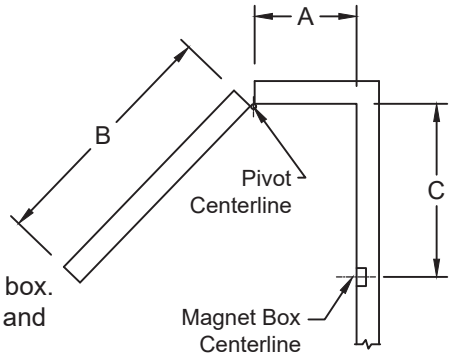


2400LR-2-03.DWG

2400LR LIGATURE-RESISTANT ELECTROMAGNETIC DOOR HOLDER,

FLUSH WALL MOUNT

WALL PORTION INSTALLATION:



1. Measure distance from pivot centerline to wall (Dim. "A").
2. Determine door width (Dim. "B").
3. Use table below to locate magnet box on wall (Dim. "C").
   a. Example : Dim. "A" = 10" Dim. "B" = 42" Result Dim. "C" = 38-1/2".
   b. If Dim. "A" or Dim. "B" Falls between dimensions listed in the table below, allow for difference.
   Example : Dim. "A"= 7" Dim. "B" = 36" Estimated Dim."C" = 32-15/16"
   c. If Dim. "A" and Dim. "B" intersect in the shaded area, **DO NOT INSTALL** magnet box. The degree of door opening will not allow for proper alignment between armature and wall magnet.
4. Suggested vertical location is on top rail approximately 5" from top of the door.
5. Check degree of door opening shown in table and coordinate with door closer and other door hardware.
6. Total projection of door hardware must not be more than 2-7/8" on the pull side of door. If greater, you will need to use additional extensions, sold separately.

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

7. From corner of wall, measure the appropriate Dim. "C" determined in step 3.
8. Proper electrical wire routing must be done before installing electrical box.
9. The electrical box should be installed with reinforcement to withstand a minimum 50 lb. pull (not provided with unit).

IMPORTANT : a. Check that power voltage equals one of the voltages labeled on back of magnet.
b. Consult " ELECTRICAL DATA" on page 1.

2400LR-3-03.DWG