

NO. 1400 SERIES ELECTROMAGNETIC LOCK PULL SIDE MOUNTING INSTRUCTIONS – LHR SHOWN

THIS TEMPLATE APPLIES TO
ITEM NO. 1405

POWER REQUIREMENTS

TO MOUNT THE 1400 SERIES MAGNET, THE FOLLOWING MUST BE SUPPLIED:

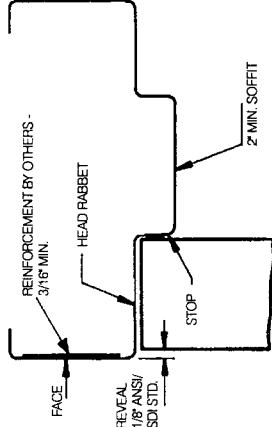
- 12 OR 24 V DC WIRED TO THE SOFFIT OF THE HEAD.
- WIRING TO THE SOFFIT OF THE HEAD FOR ANY ACCESS CONTROL(S).

TOOLS REQUIRED

- PENCIL.
- HAMMER & CENTER PUNCH.
- 1/2" POWER DRILL.
- DRILL BITS:
 - #25 (149) (10-24 TAP) 1/4", 3/4" HOLE SAW OR DRILL.
 - 10-24 TAP.
 - PHILLIPS SCREWDRIVER #2.
 - PULL SIDE MOUNTING.
 - A) HOLLOW METAL OR SOLID CORE DOORS:
 - #1 (.228) .375 DRILL.
 - B) REINFORCED DOORS WITH 3/8" METAL:
 - 1/4" DRILL. 5/16-18 TAP.

STEP 1

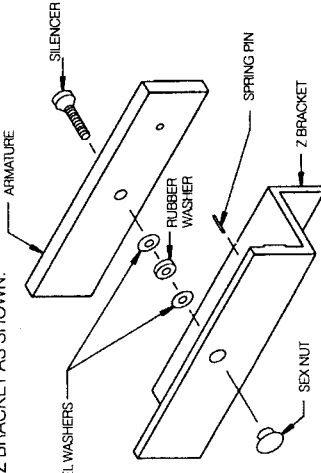
CLOSE DOOR AND MEASURE REVEAL.



STEP 2

THE ANSI STANDARD REVEAL IS 1/8" FOR STANDARD 1/8" REVEAL. ASSEMBLE THE ARMATURE AND Z BRACKET AS SHOWN.

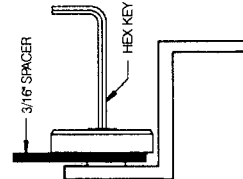
- ASSEMBLE IN ORDER:
- ONE STEEL WASHER.
 - ONE RUBBER WASHER.
 - ONE STEEL WASHER.
- 3/16" REVEAL.
- ASSEMBLE IN ORDER:
- TWO STEEL WASHERS.
 - ONE RUBBER WASHER.
 - TWO STEEL WASHERS.
- 1/16" REVEAL.
- ASSEMBLE IN ORDER:
- ONE RUBBER WASHER.



IF REVEAL IS BEYOND THE 1/16" TO 3/16" LIMITS, REFER TO BOOKLET.

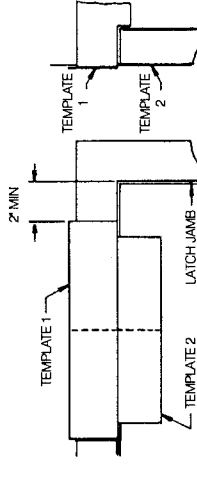
STEP 3

MOUNT ARMATURE AS SHOWN USING THE RUBBER AND STEEL WASHERS. TIGHTEN ARMATURE BOLT WITH 3/16" HEX KEY UNTIL RUBBER WASHER BEGINS TO COMPRESS. WITH ARMATURE PARALLEL TO THE Z BRACKET, SLIDE A 3/16" DRILL BIT BETWEEN EITHER SIDE OF ARMATURE AND REINFORCED RIB OF THE Z BRACKET AS SHOWN IN FIGURE. THIS ADJUSTMENT WILL ALLOW THE ARMATURE TO FLOAT ON THE RUBBER WASHER AND BE ABLE TO PIVOT UNDER FINGER PRESSURE. IMPORTANT – IF ARMATURE DOES NOT PIVOT, REMOVE ARMATURE AND ENLARGE SPRING PIN HOLE.



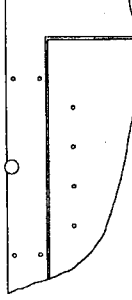
STEP 4

MOUNT TEMPLATE 1 AND 2 AS SHOWN. IMPORTANT – CENTER LINES ON BOTH TEMPLATES MUST BE ALIGNED.



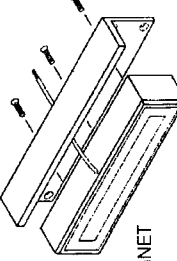
STEP 5

CENTER PUNCH HOLE LOCATIONS ON BOTH TEMPLATES. REFER TO DRILL SCHEDULE ON MOUNTING TEMPLATES.



STEP 6

THREAD MAGNET WIRING THROUGH POCKET OF BRACKET. MOUNT MAGNET TO MAGNET BRACKET USING A 3 EA 10-24 FH SCREWS.



STEP 7

WIRING INFORMATION

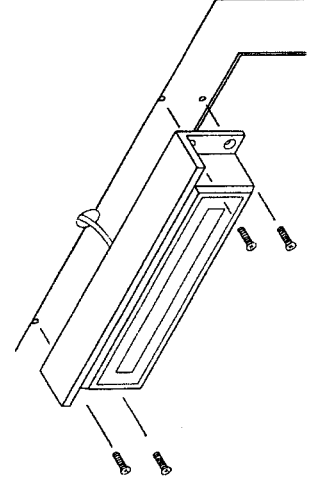
- 24 V DC SUPPLY
 - CONNECT + 24 V POSITIVE SUPPLY TO RED WIRE.
 - CONNECT - NEGATIVE TO BLACK WIRE.
 - CONNECT GREEN TO GREEN TO WHITE WIRE.
- 12 V DC SUPPLY
 - CONNECT + 12 V POSITIVE SUPPLY TO RED AND GREEN WIRES.
 - CONNECT - NEGATIVE TO BLACK AND WHITE WIRES.

OPTIONS REFER TO BOOKLET.

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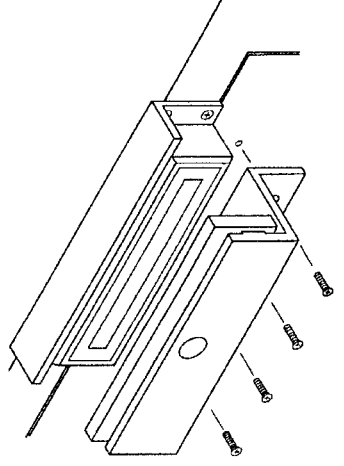
STEP 8

CONCEAL WIRING INTO FACE OF FRAME MOUNT MAGNET ASSEMBLY TO FACE USING 4 EA 10-24 FH SCREWS.



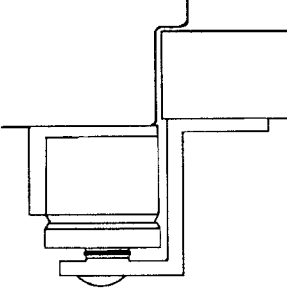
STEP 9

MOUNT ARMATURE ASSEMBLY TO THE DOOR USING 4 EA 12-24 FH SCREWS.



STEP 10

TEST OPERATION OF THE MAGNET TO ENSURE PROPER OPERATION. REFER TO BOOKLET IF TROUBLE SHOOTING IS REQUIRED.



DOOR CONTROLS INTERNATIONAL

DEXTER, MICHIGAN

TEMPLATE NO.

T-1405

DWG. NO.