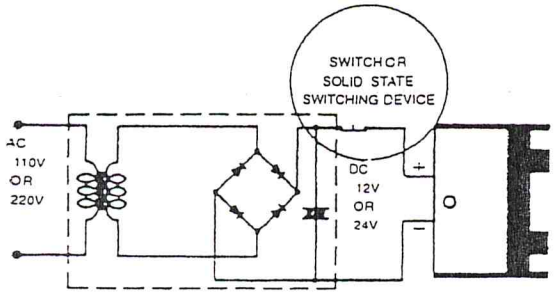
ST1200 Series Electro Magnetic Lock
Wiring Instructions

A. 12VDC Input:
Required power 0.5 amp (Maximum).
Connect the ground (−) lead from a 12VDC power source to terminal 2.
Connect the positive (+) lead from a 12VDC power source to terminal 1.
Check jumper for 12VDC operation.

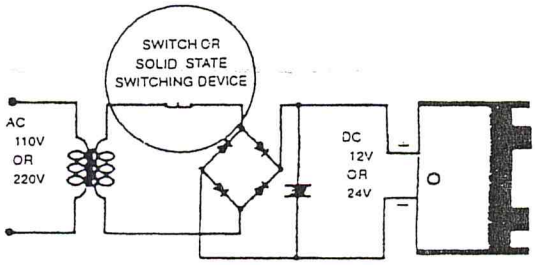
B. 24VDC Input:
Required power 0.25 amp (Maximum).
Connect the ground (−) lead from a 24VDC power source in terminal 2.
Connect the positive (+) lead from a 24VDC power source to terminal 1.
Check jumper for 24VDC operation.

C. Contacts:
The relay dry contacts are rated 1 amp at 24VDC for safe operation, do not exceed this rating.
If you require a normally open switch, connect the wires from the system to terminal 4 and terminal 3.
If you require a normally closed switch, connect the wires from the system to terminal 4 and terminal 5.

Important!
If power switch is not wired between DC source voltage and magnet, it will take a longer time to de-energize the magnet simulating residual magnetism.(see below)

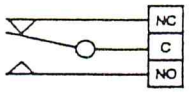


Correct

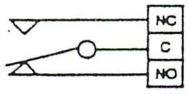


Incorrect

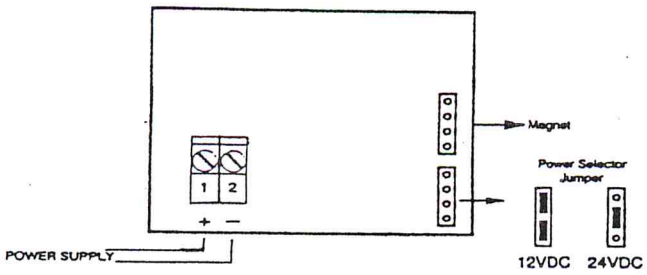
Printed Circuit Board Schematic



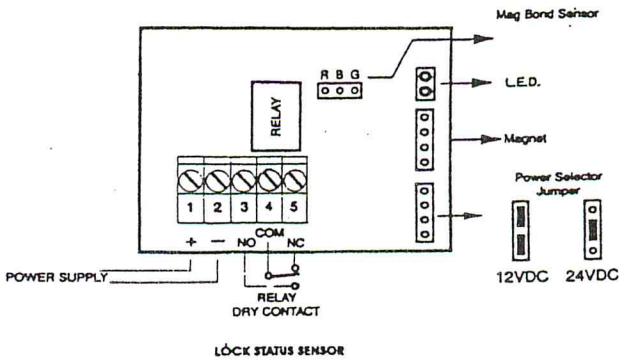
Input voltage too low or insufficient contact between armature and magnet, "LED" keep red.



Armature and magnet are properly allgned. "LED" will turn green.



UNMONITORED SERIES



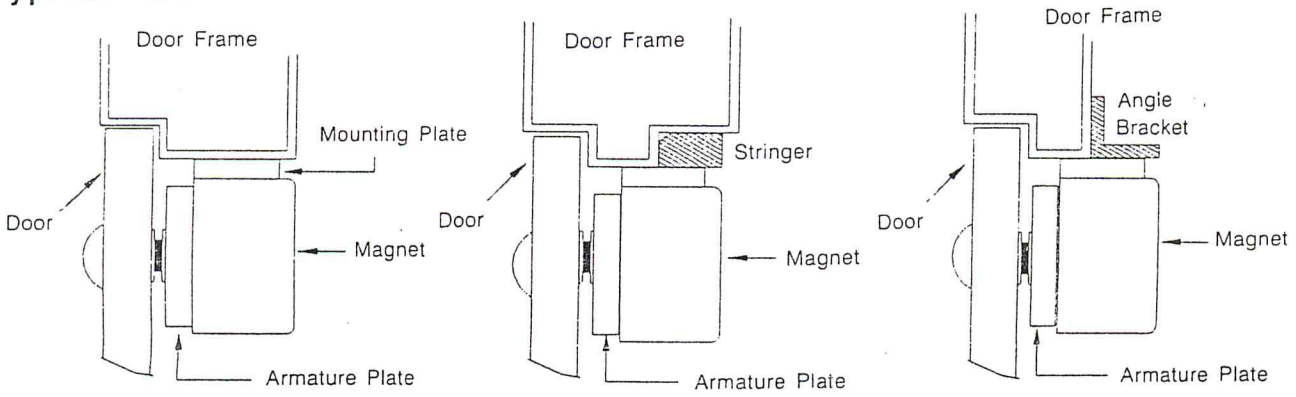
MONITORED SERIES

Instructions For Electro Magnetic Locking Devices

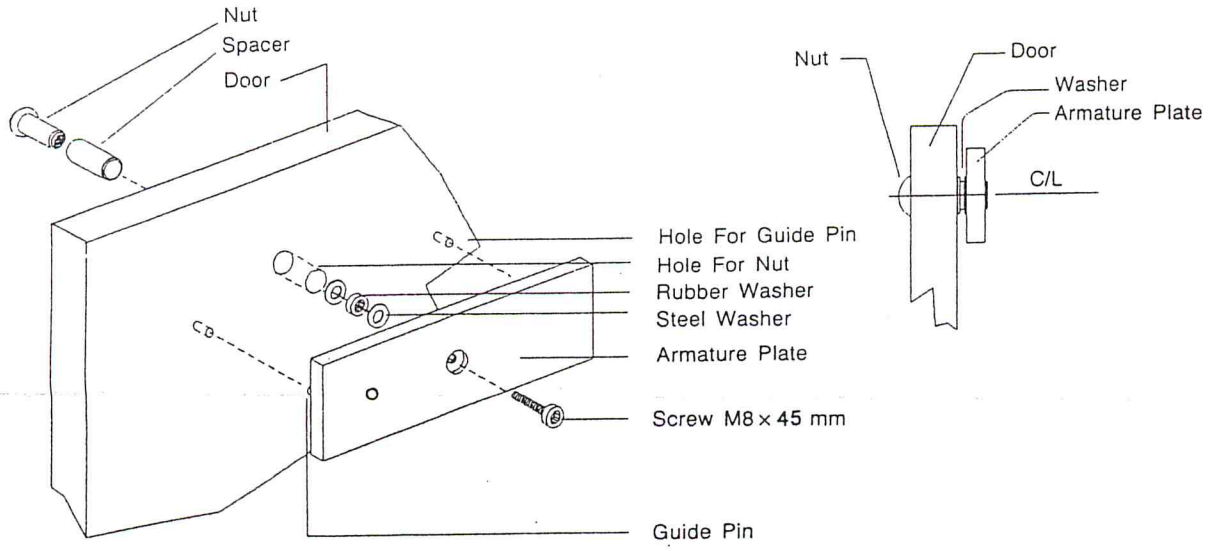
Important: Please Read Before Attempting To Install Magnetic Lock

A. Handle the equipment with care, damaging the mating surfaces of the magnet or armature plate may reduce locking efficiency.
B. The magnet mounts rigidly to the door frame. The armature plate mounts to the door with hardware Kit provided that allows it to pivot about its center to compensate for door wear and misalignment.
C. Template use must take place with the door in its normally closed position.
D. Before installing, please add the threadlocker to all screws. Firmly tighten the screws to avoid fastening loosen.

Typical Installation:



Armature Plate Mounts To The Door



** **Important:** Fix the armature plate not too tightly, and make the rubber washer more flexible, in order to make the armature plate automatically adjust its proper position with the magnet.

MOUNTING INSTRUCTION

STEP 1

- FOLD TEMPLATE ALONG DOTTED LINE.
- PLACE TEMPLATE AGAINST DOOR AND HEAD FRAME.
- DRILL HOLES AS INDICATED ON TEMPLATE.

STEP 2

- MOUNT THE ARMATURE PLATE TO DOOR USING 1 RUBBER WASHER SANDWICHED BETWEEN 2 STEEL WASHER (THE RUBBER WASHER AND 2 STEEL WASHER ARE INSTALLED ON THE THROUGH SEXNUT BETWEEN THE ARMATURE PLATE AND DOOR).

STEP 3

- INSTALL THE MOUNTING PLATE WITH 2 FLAT HEAD SCREWS (THE 2 M5x15 FLAT HEAD SCREWS ARE INSTALLED IN THE SLOTTED HOLES FOR ADJUSTMENT).
- ADJUST MOUNTING PLATE SO THAT IT FORMS A RIGHT ANGLE WITH THE ARMATURE PLATE.
- USING THE MOUNTING PLATE AS A TEMPLATE, DRILL THE WIRE HOLE.
- DRILL AND INSTALL THE REMAINING MOUNTING SCREWS.

STEP 4

- INSTALL MAGNET TO MOUNTING PLATE WITH 2 M6 SCREWS SUPPLIED.

STEP 5

- INSTALL ELECTRICAL WIRING PER INSTRUCTION SHEET.

STEP 6

- TEST ALL FUNCTIONS OF THIS MODEL (SEE WIRING INSTRUCTION).

STEP 7

- INSERT 2 LOCKING STOPPERS IN TWO END PLATES.

STEP 8

- INSERT 2 ALUMINUM CAPS TO COVER THE TWO M6 SCREW HOLES.

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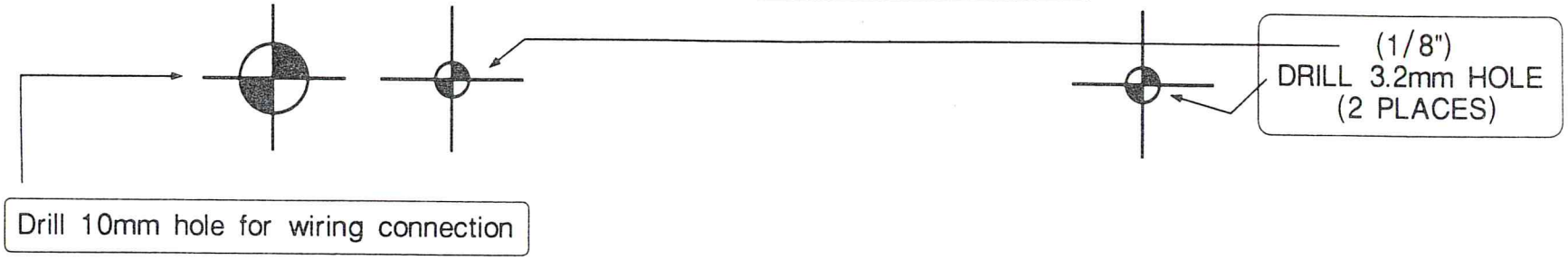
TEMPLATE

PLACE AGAINST HEADER



FOLD THIS DOTTED LINE

PLACE AGAINST JAMB.
OPPOSITE HINGES FOR
L.H.R. DOOR INSTALLATION

PLACE AGAINST DOOR

PLACE AGAINST JAMB.
OPPOSITE HINGES FOR
R.H.R. DOOR INSTALLATION