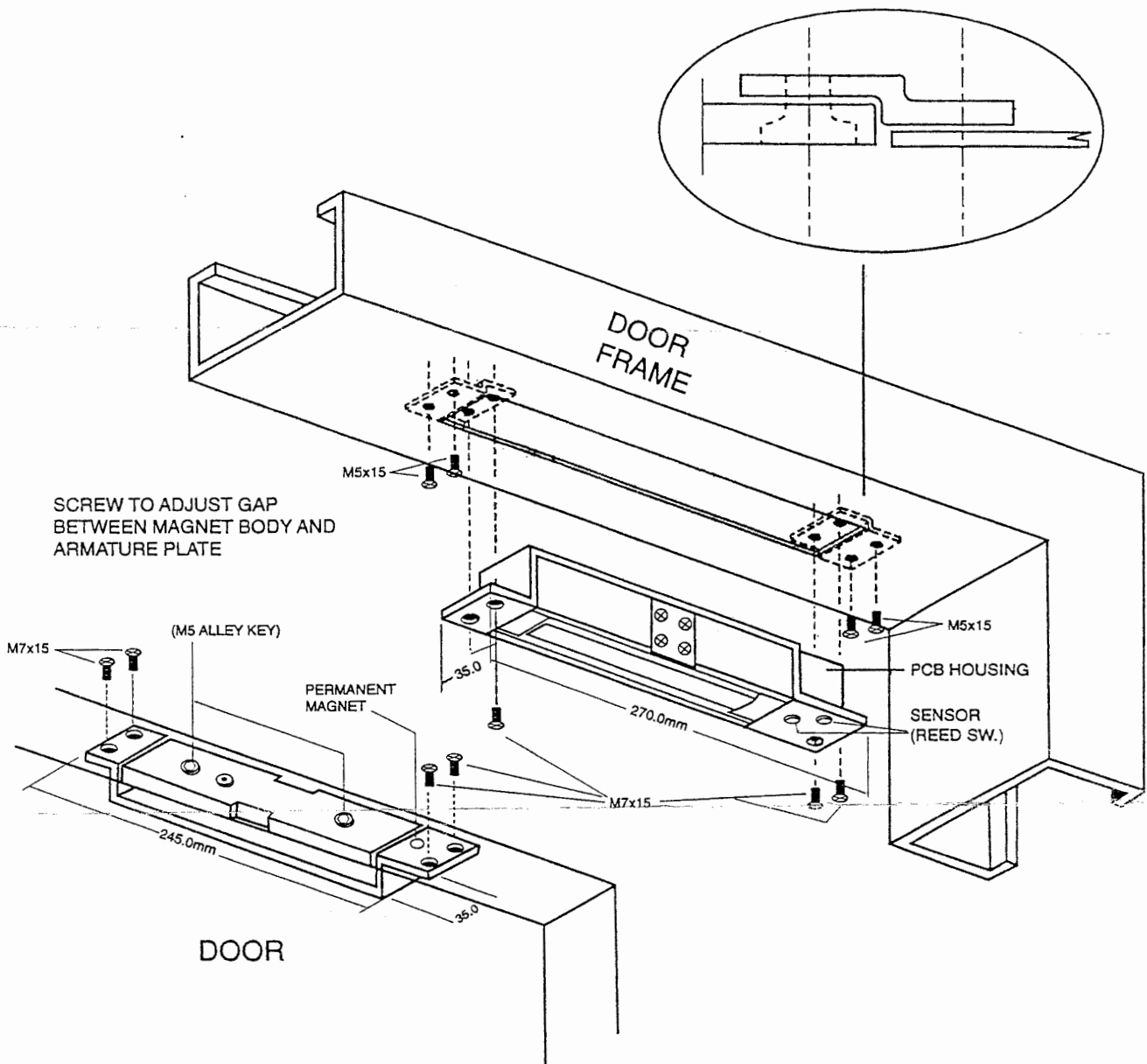
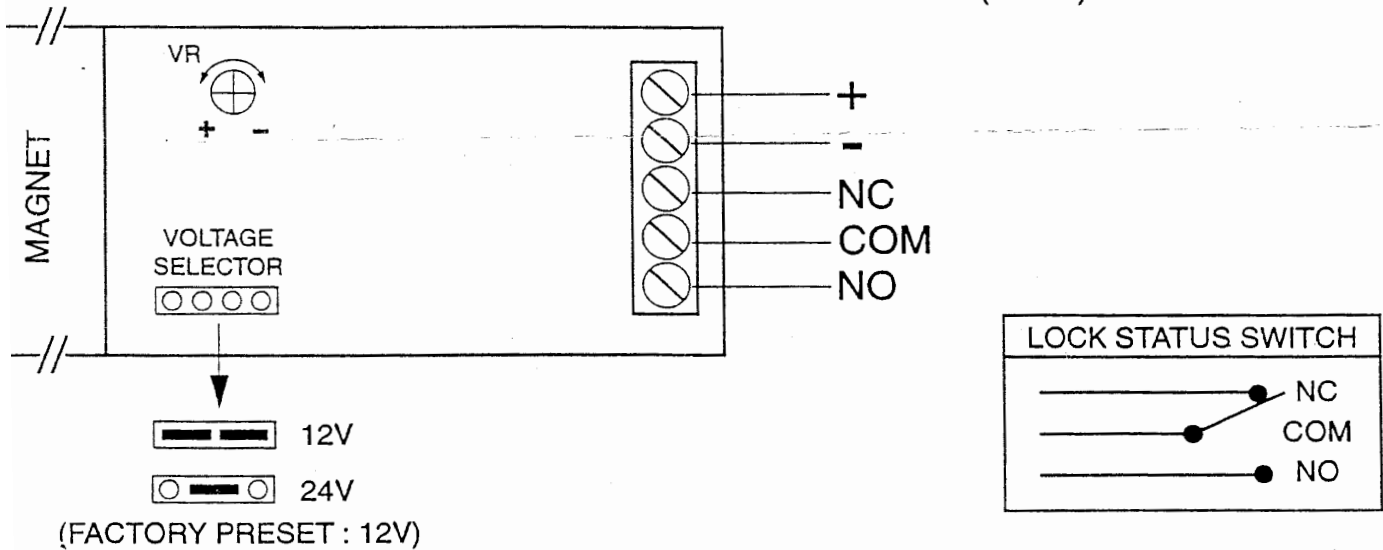


# 1. SHEARLOCK INSTALLATION DIAGRAM



## 2. WIRING INSTALLATION

Power source (VDC)



**CAUTION:**(1) MAKE SURE WIRE POLARITY IS CORRECT  
(2) CHECK VOLTAGE SELECTOR BEFORE OPERATING

## MOUNTING INSTRUCTIONS FOR MLM01

### 1. REQUIREMENTS:

- (a) When armature plate is installed on a wooden door, make sure the door thickness is enough to provide an extra 5mm on each side of the armature plate for proper installation.
- (b) The required power supply to operate the MLM01 is 12VDC/1.6A or 24VDC/0.9A. Holding current is 0.4A/12VDC or 0.3A/24VDC.

### 2. INSTALLATION:

- (a) Place the armature plate on the chosen location of the door edge. Mark down the screw positions, then draw the outline of the armature plate on the door edge.
- (b) Cut along the outline ( for metal door ) or carve out the inside portion ( for wooden door ) and drill the screw holes.
- (c) Repeat the above steps for magnet body ( on door frame ). NOTE : In metal frames, the magnet body is attached to the extension plates ( provided ).
- (d) Install armature plate and magnet inside respective mortice and fix with provided screws. Reed switch on magnet must face permanent magnet on armature plate.
- (e) Connect cable to terminal block according to wiring diagram.
- (f) Ideal gap clearance between the armature plate and the magnet body is 2-3mm. This can be achieved by adjusting the 2 screws on the armature plate.

### 3. INSTALLATION CHECK:

- (a) When door is closed, magnet body and armature plate do not lock: reduce gap.
- (b) Magnet body and armature plate lock activate when door is not closed: increase gap.
- (c) Magnet body and armature plate are fully engaged: lock sensor will be activated.

### CAUTION !

Before operating the MLM01, make sure wires are properly connected to avoid possible short-circuit damages to the unit and possible injury. If in doubt, consult your dealer.