

# MAGS1600MM-----/MAGS1600MM----H

## SHEAR LOCK

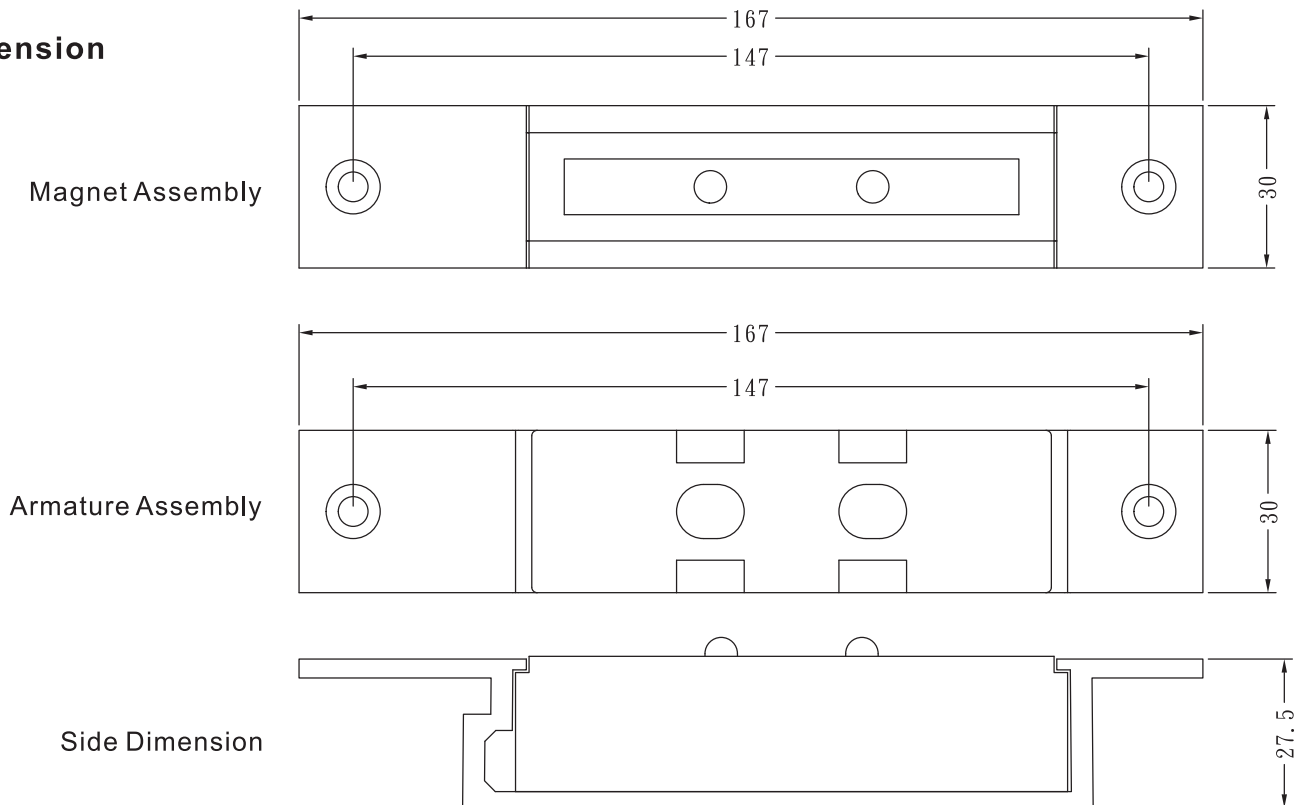
### INSTALLATION MANUAL

The Shear Lock series is available in two models, Unmonitored or with hall effect monitoring. The units may be fitted to timber, aluminum, metal or glass doors with the assistance of various housings.

This manual gives a guide to all of the above applications and other useful installation information.

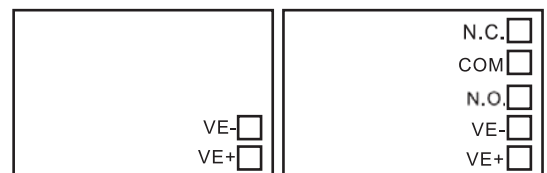
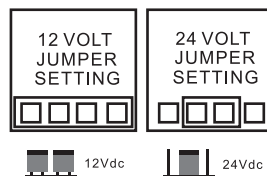
1. Full Dimensional Drawing
2. Technical Specification
3. Flush Installation
4. Surface Installation
5. Full Glass Door Installation

#### Dimension



#### TECHNICAL SPECIFICATION

**VOLTAGE**  
 12VDC/24VDC Selectable via jumpers  
 +10% over voltage is acceptable  
 Under voltage will reduce holding force



**CURRENT CONSUMPTION:** 450mA@12V DC  
 230mA@24V DC

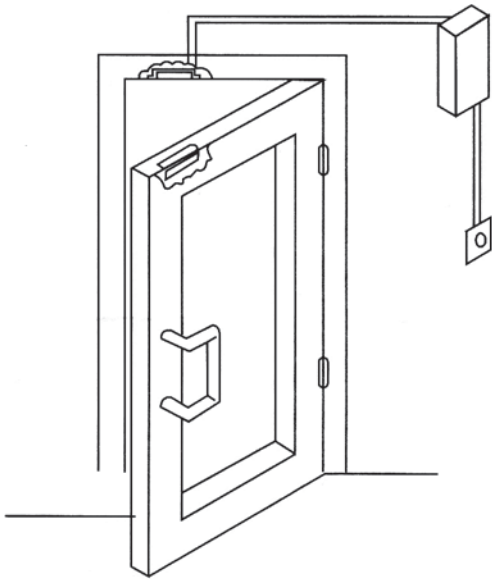
The unit does not require an initial voltage increase to operate.

**DIMENSIONS:** 167mm\*30mm\*27.5mm Magnet  
 167mm\*30mm\*30mm Armature  
 169mm\*36mm\*36mm SMB- HOUSING

**OPERATING TEMPERATURE:** -30°C to +50°C  
**HOLDING FORCE:** Up to 1200lbs(545kg) in shear

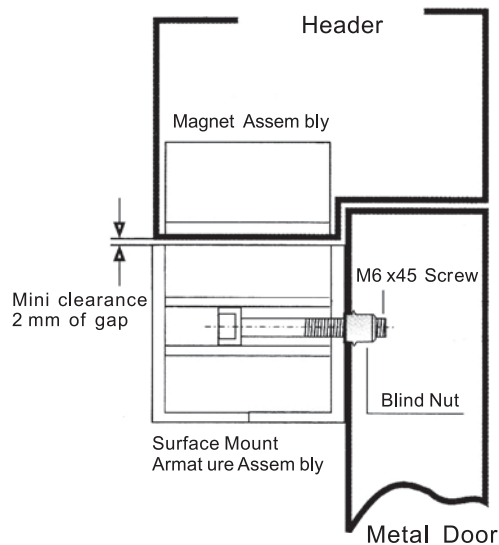
## FLUSH INSTALLATION

The unit is designed to be flush mounted. The magnet should be fitted to the door transom and the armature into the top of the door.



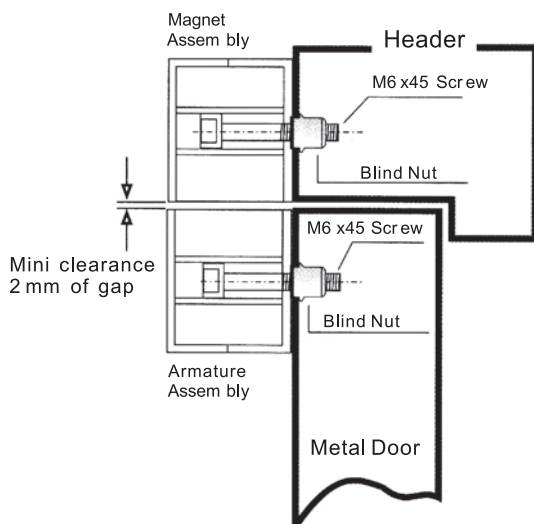
## SEMI-FLUSH INSTALLATION

The unit may also be fitted semi-flush with the use of the Surface Mount Bracket housing. The magnet should be fitted to the door transom and the housing holding the armature on to the door.



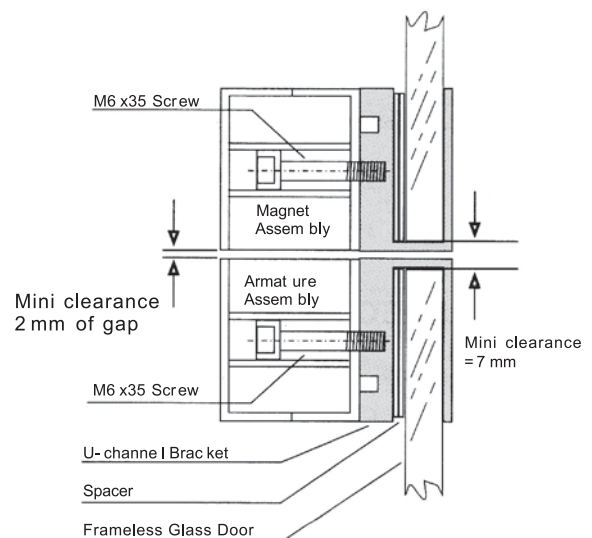
## SURFACE INSTALLATION

The unit may also be fitted surface mounted using 2pcs of the Surface Mount Bracket housing. The housing holding the magnet should be fitted above the door and the housing holding the armature on to the door.

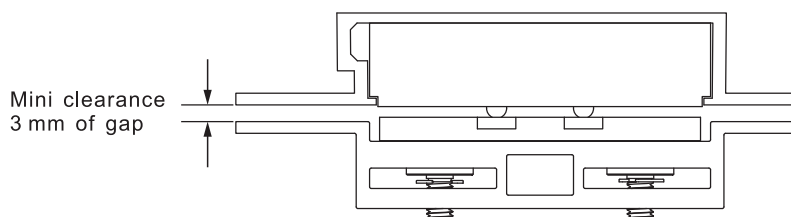


## FULL GLASS DOOR INSTALLATION

The unit may also be fitted to a full glass door and glass frame application, using 2pcs of the Surface Mount Bracket housing and 2pcs of the U mounting brackets. The housing holding the magnet should be clapped above the door and the housing holding the armature clapped on to the door.



### Adjustment of Mini Shear Lock



Using supplied key wrench to adjust armature plate to approx. 2mm of gap between magnet surface.

**It is vital that a minimum gap of 2mm exists between the magnet and the armature, to allow correct operation.**