

## GENERAL INFORMATION

1. Before mounting an electromagnet, please make sure that all the security requirements are being respected.
2. The purpose of the electromagnets being the securing of an access, they have to be mounted in such a way that they resist shocks, both from the door closing as well as from attempted break-ins.
3. An electromagnet is not a door closer or door adjuster, his function is locking and controlling the door.

### **Part list:**

1 x Lock Body	1 x Armature Plate
1 x PCB Set	1 x LED
1 x Hardware Kits	1 x Manual

### **Ratings:**

Holding Force: 7500 N in shear

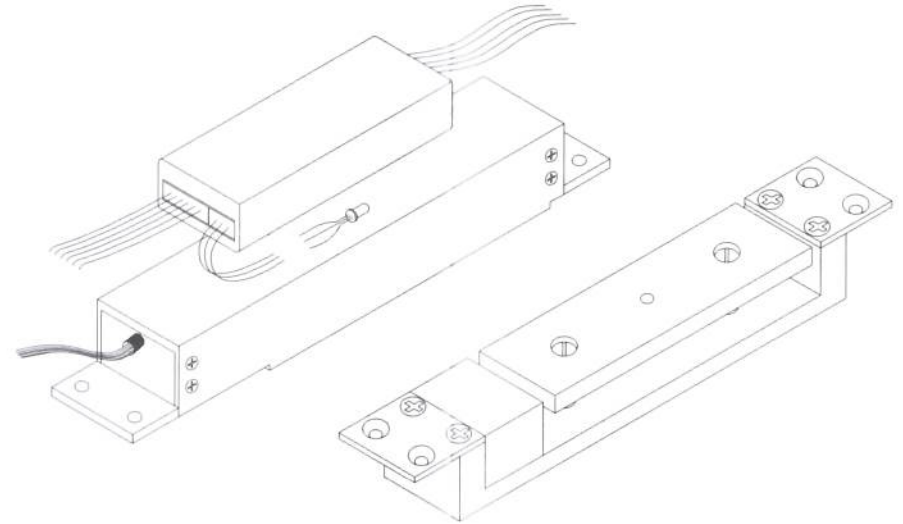
Relay: 1 A/ 24 VDC

Input power: Accept power in the range of 12 ~ 24 VDC

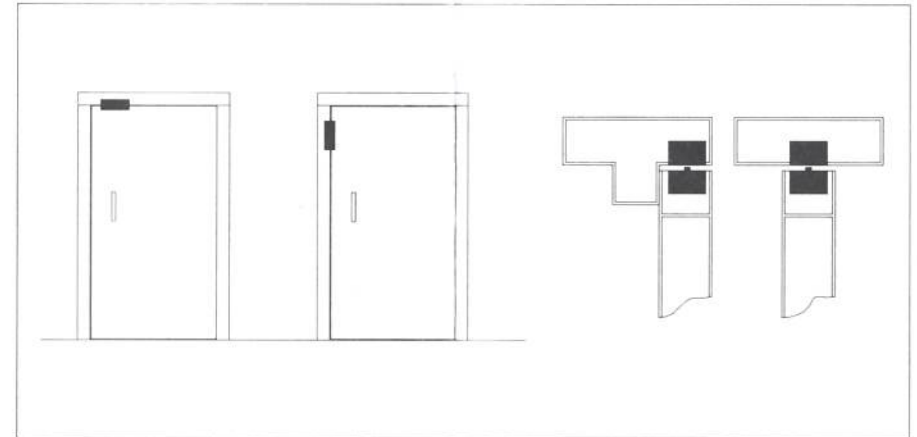
Power Consumption:

<u>Voltage</u>	<u>Rush Current</u>	<u>Holding Current</u>
12 VDC	1.2 A	0.2 A
24 VDC	0.6 A	0.1 A

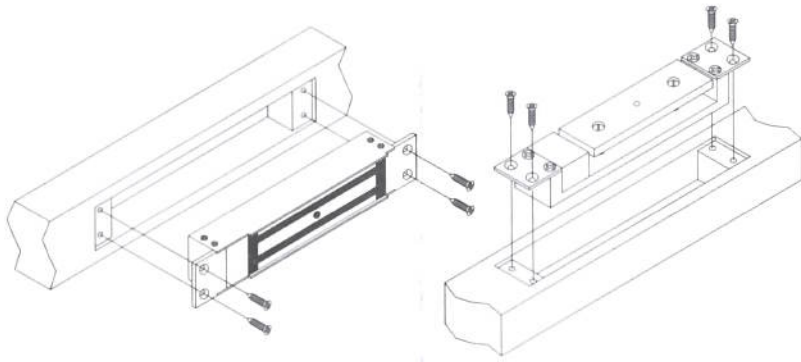
## APPARENTNESS OF HQSH 2500



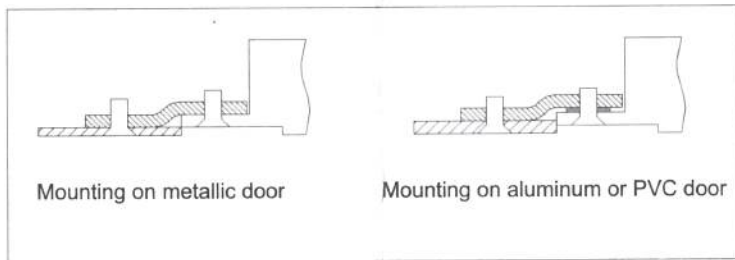
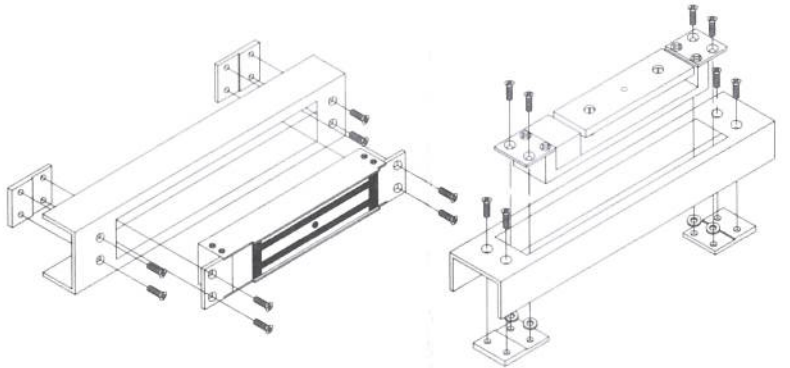
## TYPICAL MOUNTING



## TYPICAL MOUNTING ON WOODEN DOOR

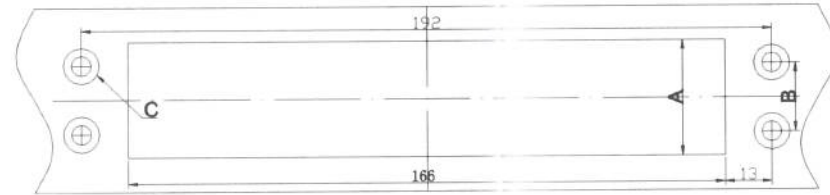


## TYPICAL MOUNTING ON ALUMINUM , METALLIC OR PVC DOOR



## DIMENSION OF MOUNTING

### Mounting on Metallic, Aluminum or PVC Door (Lock Body & Armature Plate)



A= 32mm (Lock Body)

B= 19mm (Lock Body)

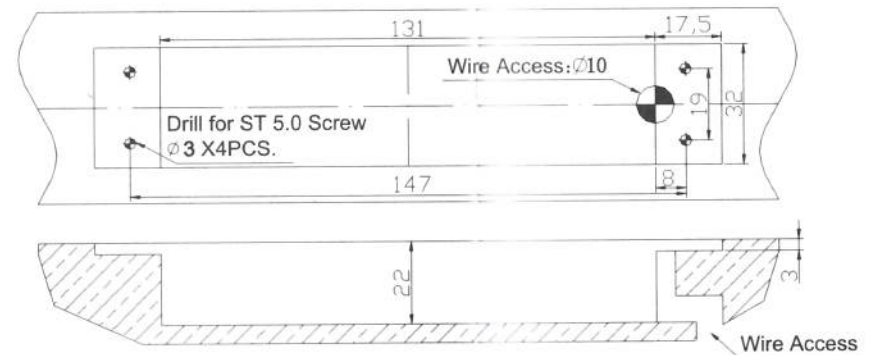
C=  $\Phi 5.5 \times \Phi 10 \times 90^\circ$  (Lock Body)

A= 27mm (Armature Plate)

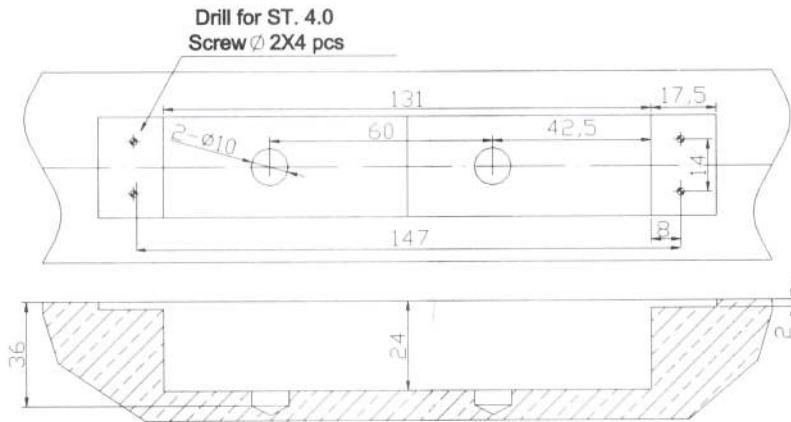
B= 14mm (Armature Plate)

C=  $\Phi 4.5 \times \Phi 8 \times 90^\circ$  (Armature Plate)

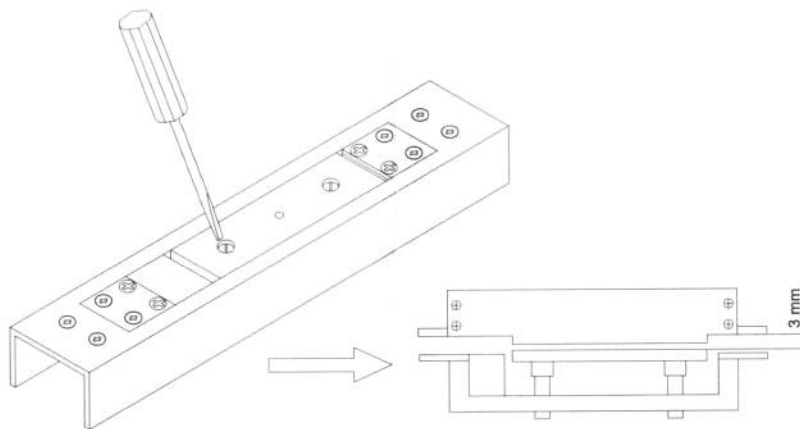
### Mounting on Wooden Door (Lock Body)



## Mounting on Wooden Door (Armature Plate)



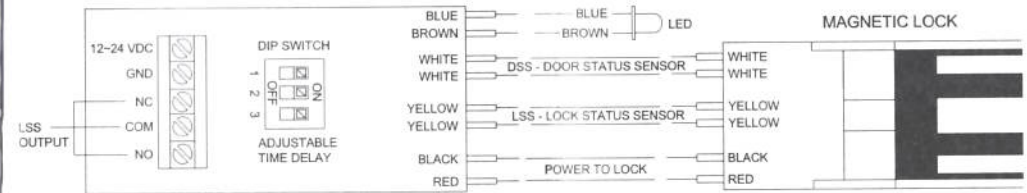
## ADJUST AFTER MOUNTING



After mounting, adjust the adjusting screws to make sure the gap is 3mm as drawing above.

## WIRING DETAILS

### Typical Wiring



### ADJUSTABLE TIME DELAY



### LED INDICATOR



### Adjustable Time Delay, LED, Lock Status Sensor & Retry.

- The adjustable time delay can be set to delay unlock time from 0 to 6 seconds.

Delay time	0 sec	1 sec	2 sec	3 sec	4 sec	5 sec	6 sec
Dip switch position							

The LED's indicator indicates lock status.

LED off	LED blinking	LED on
Door open	Locked unsuccessfully	Locked successfully

- The Lock Status Sensor outputs C, NC & NO indicates door locked or unlocked. C & NC conducted – Unlocked. C & NO conducted – Locked.
- The door will try a further 4 locking attempts if the door locks unsuccessfully.

**HARDWARE KITS:**

NO.	DESCRIPTION	QTY
1	M5*8 C'SINK SCREWS	9
2	ST3.5*25 C'SINK SCREWS	5
3	ST5*32 C'SINK SCREWS	5
4	LOCK BODY BRACKETS	2
5	M4*9.5 C SINKSCREW	9
6	FLAT WASHERS	5
7	ARMATURE PLATE BRACKETS	2