

**HARDWARE KITS:**

<b>NO.</b>	<b>DESCRIPTION</b>	<b>QTY</b>
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

# **FSH 2500**

## **INSTALLATION MANUAL**

## 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 should always be mounted on the secured side of the access.

### 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: 250Kg

Relay: 1 A/ 24 VDC

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

Power Consumption:

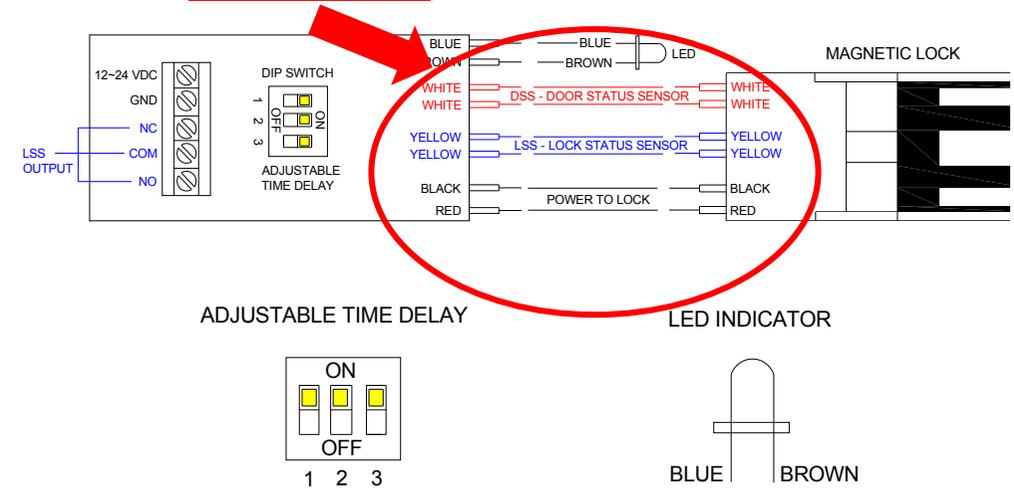
<u>Voltage</u>	<u>Rush Current</u>	<u>Holding Current</u>
12 VDC	1.2 A	0.2 A
24 VDC	0.6 A	0.1 A

## WIRING DETAILS

### Typical Wiring

**NOTE: Warranty void if the included PCB is not installed in accordance with FSH instructions.**

**All wires (DSS, LSS & Power) between the lock body and the PCB Board must be connected, whether the function will be used or not.**



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

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

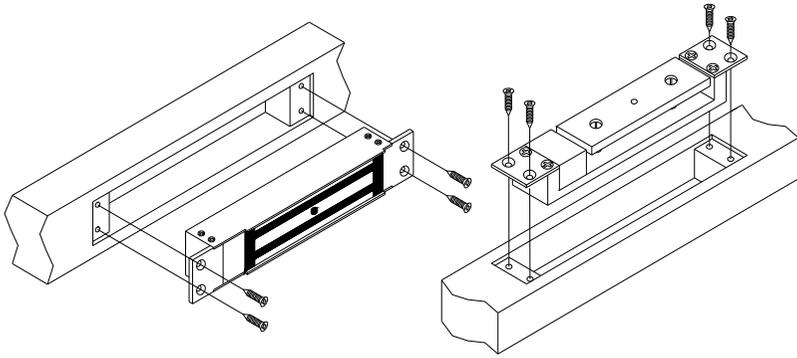
Delay time	0 sec	1 sec	2 sec	3 sec	4 sec	5 sec	6 sec
Dip switch position							

The LED's indicator indicates lock status.

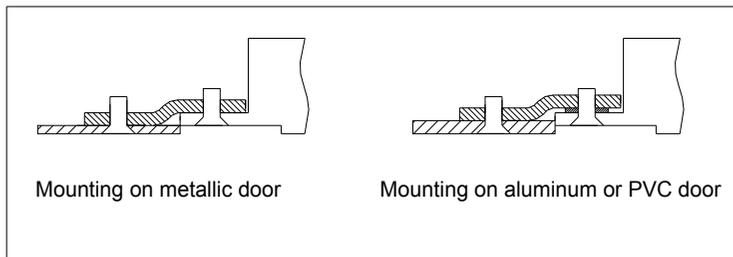
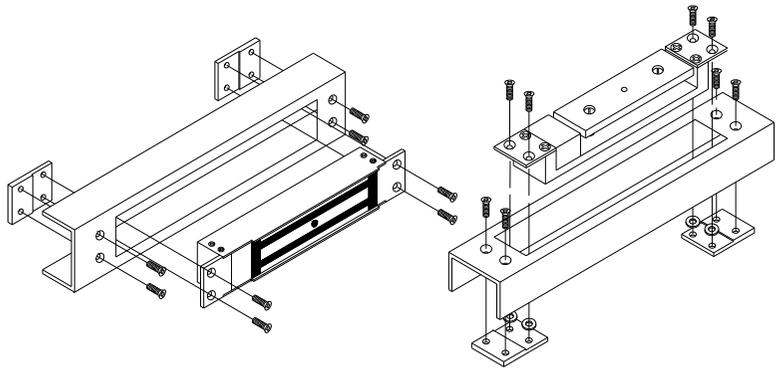
LED off	LED blinking	LED on
Door open	Locked unsuccessfully	Locked successfully

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

## TYPICAL MOUNTING ON WOODEN DOOR

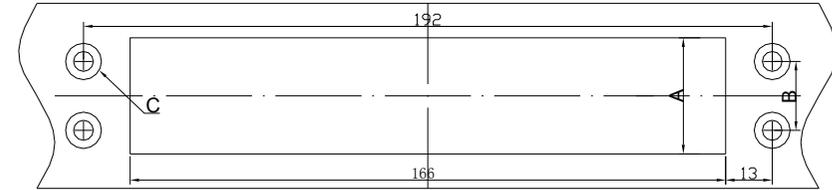


## TYPICAL MOUNTING ON ALUMINUM , METALLIC OR PVC DOOR



## DIMENSION OF MOUNTING

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



A= 32mm (Lock Body)

A= 27mm (Armature Plate)

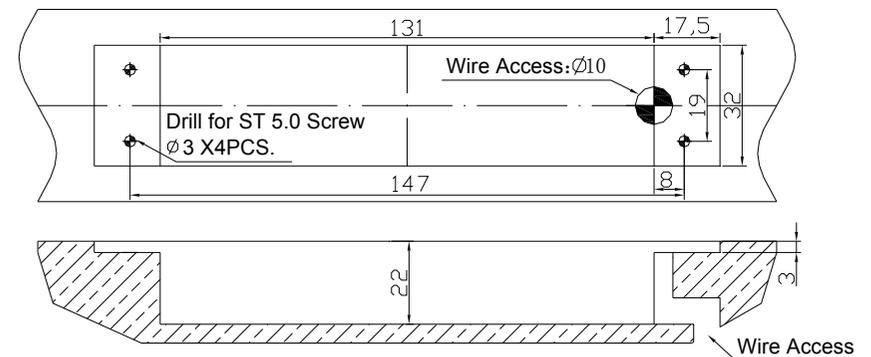
B= 19mm (Lock Body)

B= 14mm (Armature Plate)

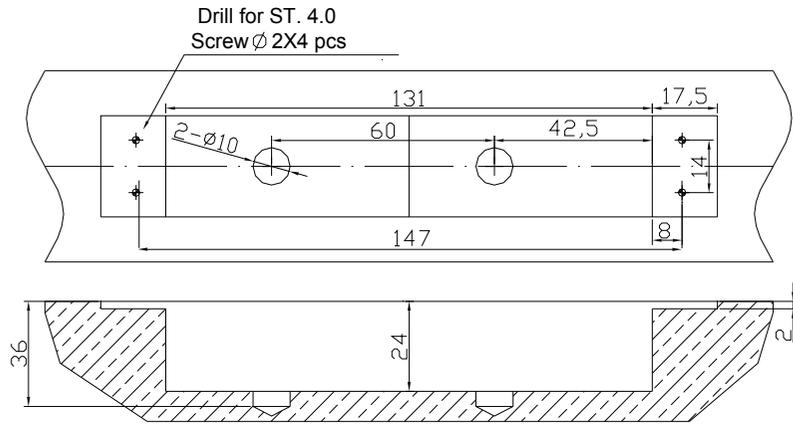
C=  $\Phi 5.5 \times \Phi 10 \times 90^\circ$  (Lock Body)

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

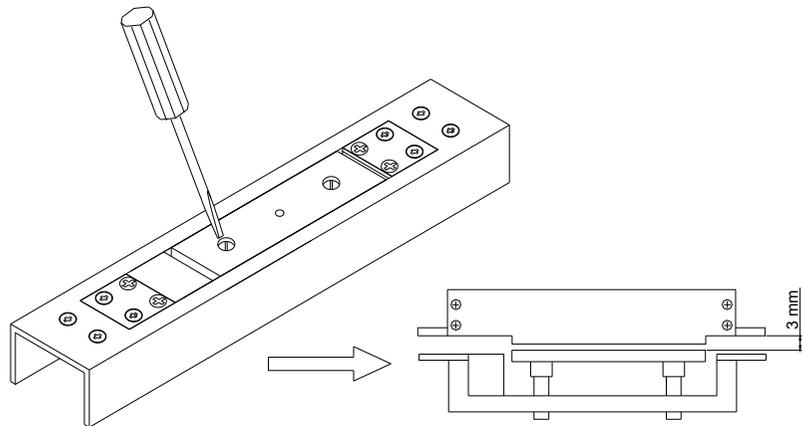
### Mounting on Wooden Door (Lock Body)



## Mounting on Wooden Door (Armature Plate)

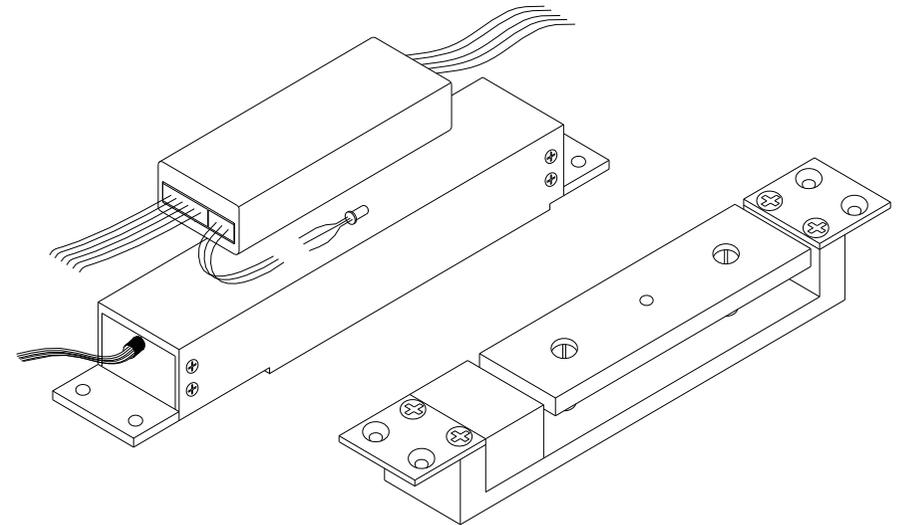


## ADJUST AFTER MOUNTING



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

## SET-UP OF FSH 2500



## TYPICAL MOUNTING

