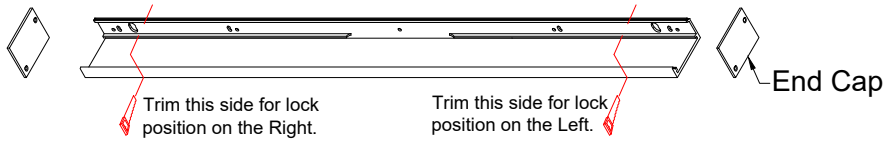
Transom Lock Housing Installation Guide

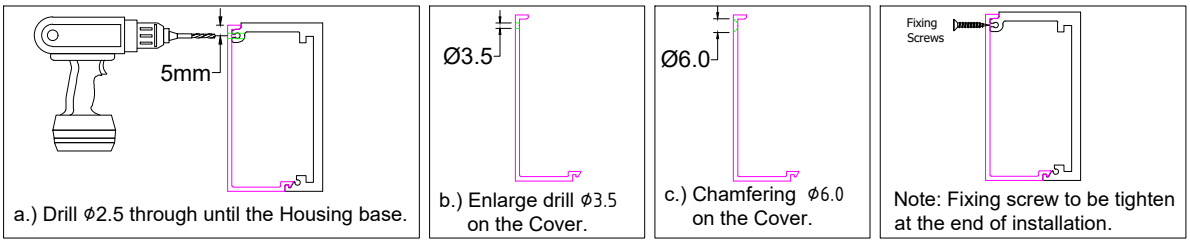
Model : TLH1200-LED

1. Unboxed the transom lock housing & transom lock package.
2. Position the housing on intended location of the door frame; this to verify the correct length for door opening.
3. Double confirm the lock opening position with the door swing direction.
4. For transom lock housing length exceeded the width of door frame; you can trim the housing length at your own discretion. You may trim left or right side depending on the lock position.



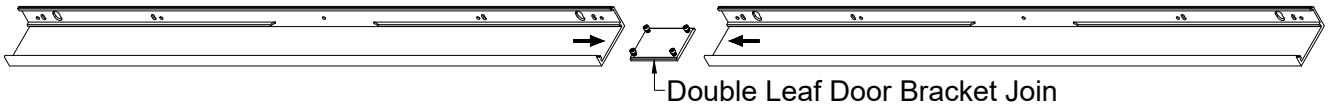
Note: End cap is an accessories, you may or may not need to mount together with the housing; depend on the door frame & aesthetic outlook.

5. Once trim, the housing cover fixing screw hole need to be re-drill with hole size ϕ2.5 & chamfering with ϕ6.0. Location of the screw holes is to be determine by your own discretion. (Notice: 5mm measure from cover top)

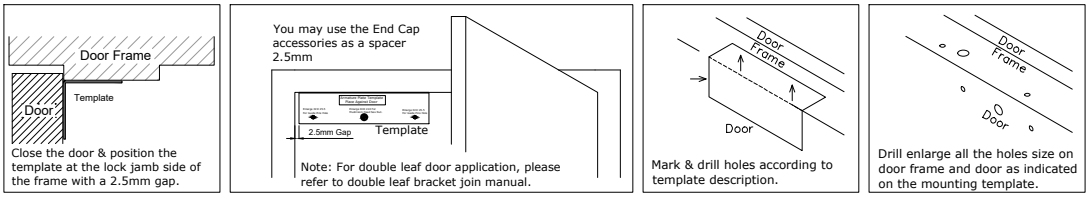


6. For double leaf door application; measure the lock housing Left & Right from the center of the door frame.; Make sure the lock location are equally space to each side of the center of the housing.

   a.) Join the housing base Left & Right with the double leaf bracket join. (Optional Accessory)

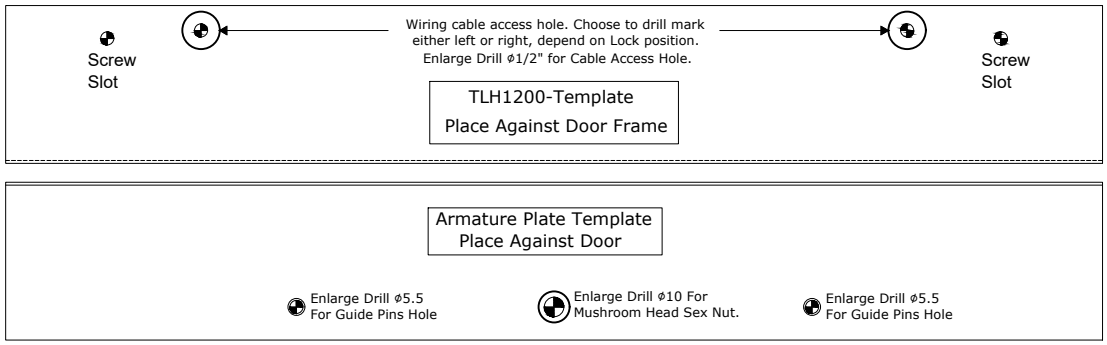


7. Please use the provided mounting template for marking & drilling the door and door frame.



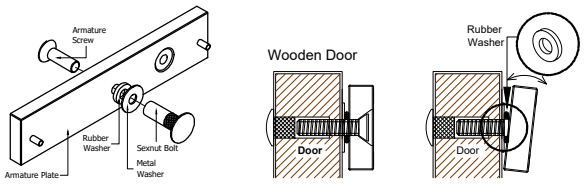
Mounting Template Description

Drill mark ϕ3.5 size on all holes , before enlarge to required size.



Note: Temporary mount the housing base with the 2 screw slot position, then make proper adjustment & alignment before permanently fix in the remaining screws on each screw holes position on the base housing.

8. Mount the armature plate to the door as indicated in the template.

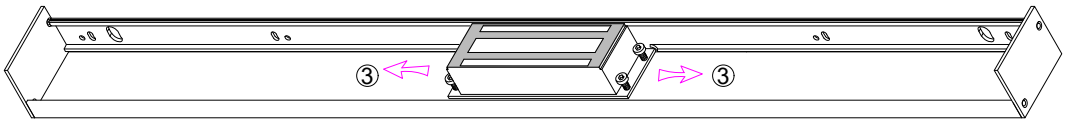


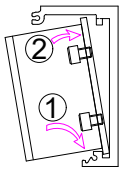
Notice:
Do not over tighten the armature screw which would affect the armature plate flexibility to pivot around the screw. This allow the armature plate to pivot around the armature screw to compensate the door misalignment.

9. Mark the corresponding screw point for permanent fix, as well as the wiring hole to ensure the final fixation and the wiring routes .

Remark: All drawings shown are for illustration purpose only. Actual product may vary due to product enhancement.

10. Once the base housing temporarily fixed on the door frame. Slot in the lock into the frame from the center.





Step ① Slot in the lock back plate into the housing base as shown in diagram.

Step ② Push in the lock back plate into the housing base as shown in diagram.

Step ③ Slide the lock to the left or right accordingly.

11. Positioning the lock in the housing according to the front cover pocket position. Measure the gap from the housing end to the lock side surface 80mm. Then tighten the jam screw to fix in the lock position.

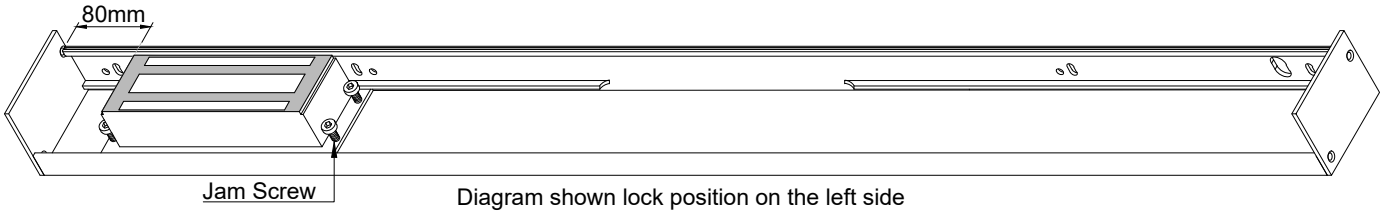
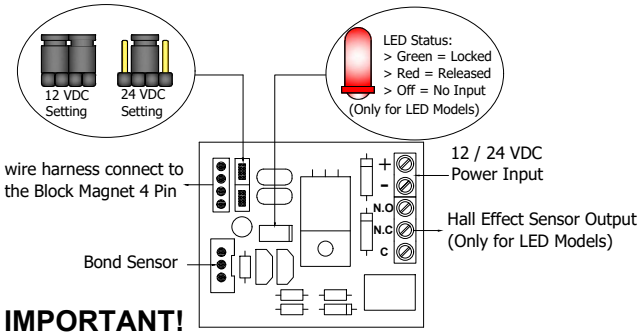
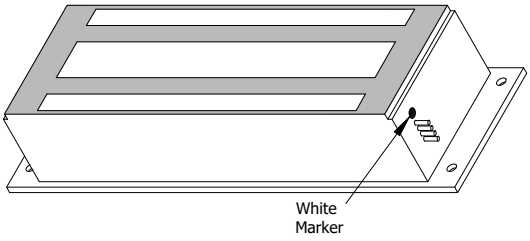


Diagram shown lock position on the left side

12. Run all the wiring as shown in the diagram below:-

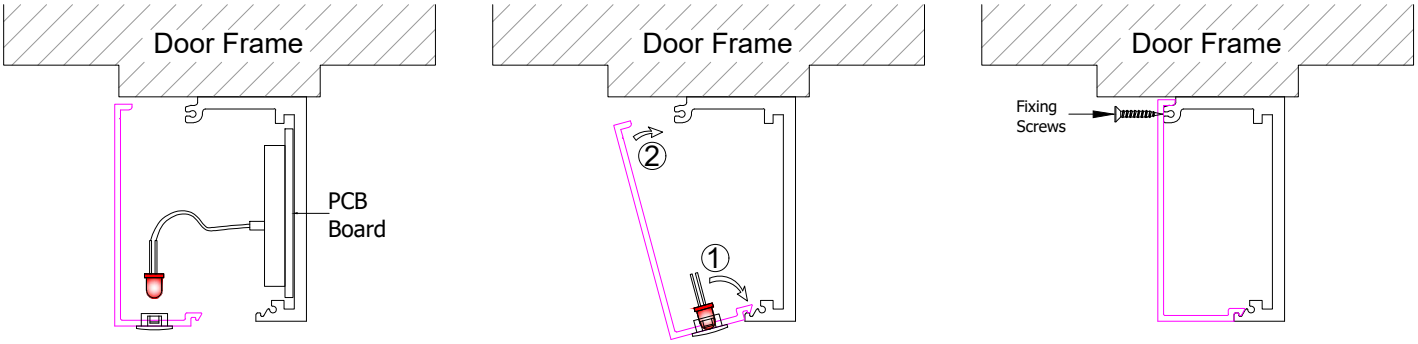


IMPORTANT!
Set the jumper position according to the power input correctly before switch ON the power.



Notice: Make sure the 4 Pin female header plug into this magnet block 4 Pin correctly, as per white marker.

13. Plug in the LED into the Lens Holder as shown in the diagram below. Then slant in the Front Cover into the Housing Base. Finally, fix the front cover on housing base by screw in the fixing screws.



14. Switch on the power supply to energize the lock & close the door to let the armature plate attach each other.
15. The electromagnetic lock must be installed in accordance with the following:-
    - Life Safety Code, ANSI / NFPA 101.
    - Local Authority having jurisdiction.
    - Manufacturer's installation instructions provided with each unit.
    - The power supply units must be mounted inside the secured or protected area.
16. It is recommended that to apply a light coat of silicon lubricant to the mating surface on a monthly basis to prevent rusty.

Trouble Shooting

1. Sensor not functioning
   - Improper attachment of electromagnet and armature plate.
   - Modification of the PCB
2. Door not locked
   - Incorrect wiring or no power from power supply
3. Reduced holding force.
   - Poor contact of electromagnet and armature.
   - Be sure armature is loose enough that it can fully contact electromagnet along the entire length.
   - Mating surface is dusty or damaged.
   - Improper input voltage or wire size.

Remark: All drawings shown are for illustration purpose only. Actual product may vary due to product enhancement.