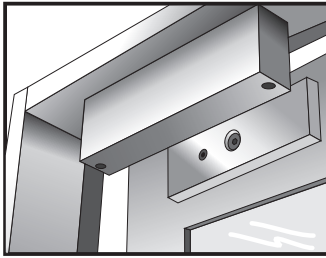


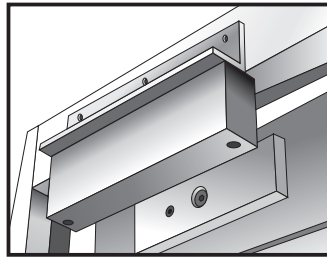
Electromagnetic Lock Installation Instruction (Indoor Series)

Optional Bracket

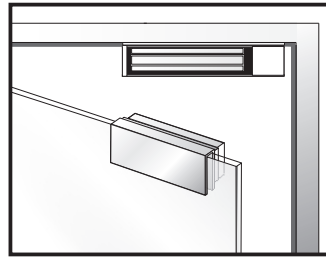
Brackets installation are according to door swing direction and door frame type ,e. g. narrow frame door , frameless glass door, inswing door , etc.



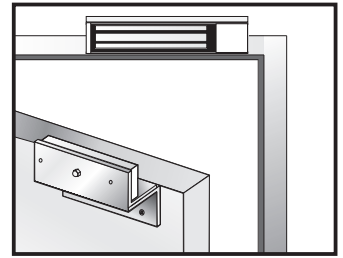
Regular Installation
(outswing door)



With L-bracket for narrow
frames (optional)

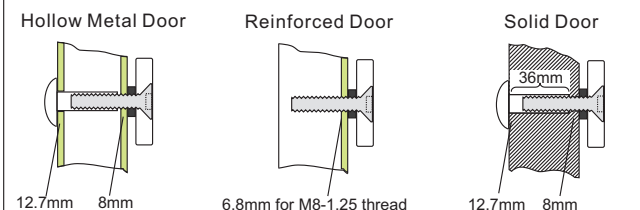
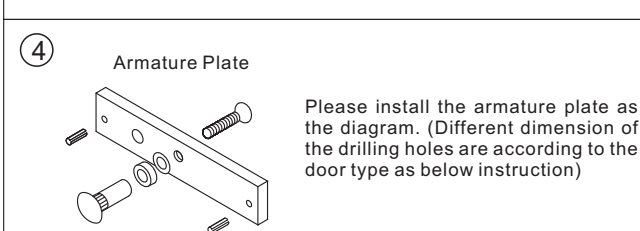
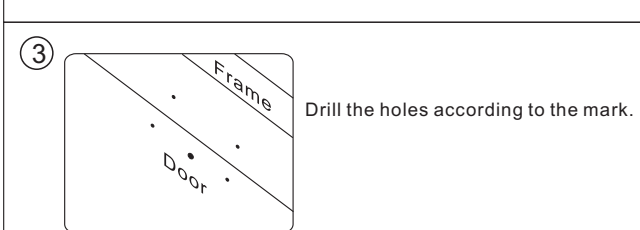
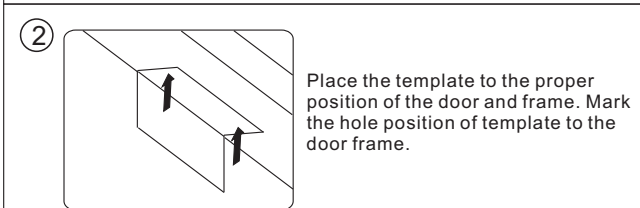
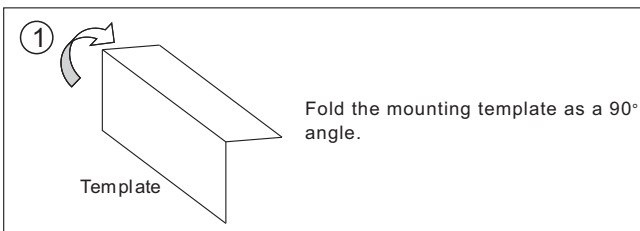


With U-bracket for frameless
glass door (optional)



With LZ-bracket for inswing
door (optional)

Regular Installation



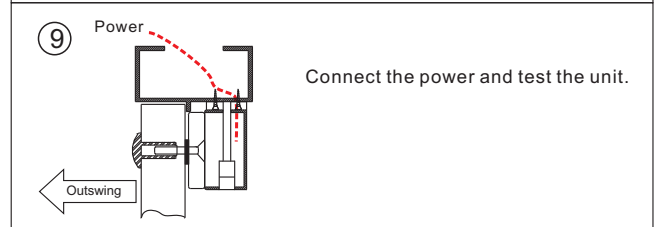
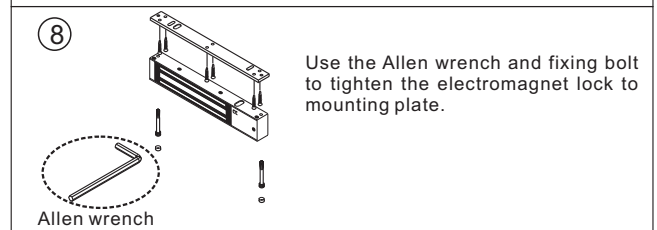
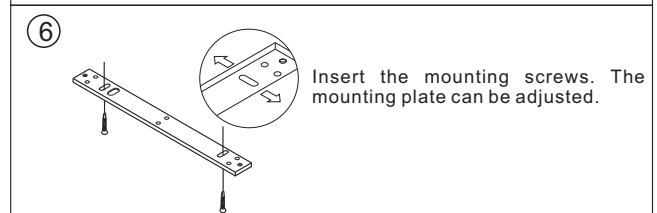
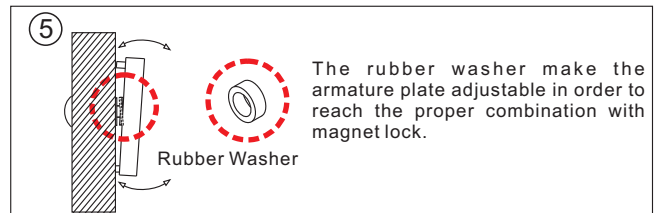
Drill a Ø8mm hole through door, from sexnut bolt side, enlarge to Ø12.7mm.

Drill a Ø6.8mm hole and tap for M8x12.5 thread.

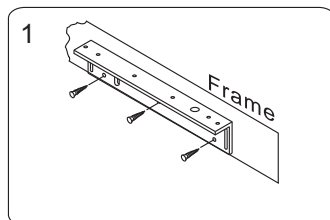
Drill a Ø8mm hole through door from sexnut bolt side enlarge to Ø 12.7mm, 36mm in depth.

Recommendation:

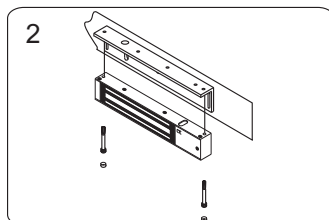
Micro EM-locks (300 LBS) maximum thickness of door is 44 mm.
Mini EM-locks (600 LBS) maximum thickness of door is 50 mm.
Midi EM-locks (800 LBS) maximum thickness of door is 48 mm.
Maxi EM-locks (1200 LBS) maximum thickness of door is 46 mm.



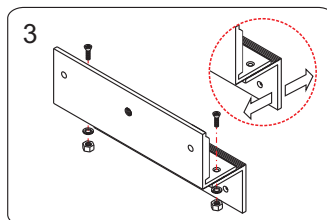
With LZ bracket for Inswing doors



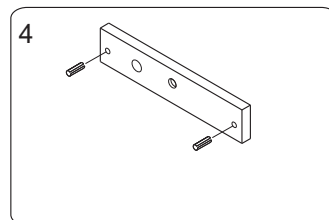
Find a mounting location on the door frame for the L bracket. Make sure that the door is still closeable.



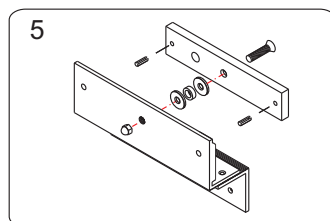
Use the fixing bolt to tighten the electromagnet lock on L bracket.



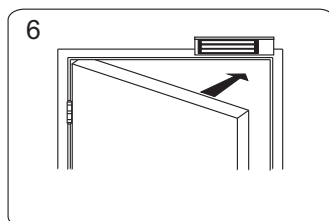
Assemble the Z bracket, and make sure that the Z bracket is adjustable.



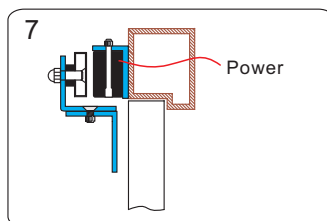
Insert the guide pins into the armature plate.



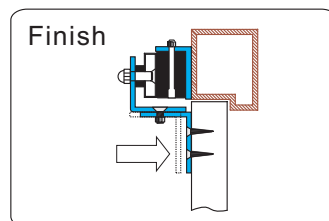
Assemble the armature plate (Rubber washer must be added)



Close the door and connect the power.

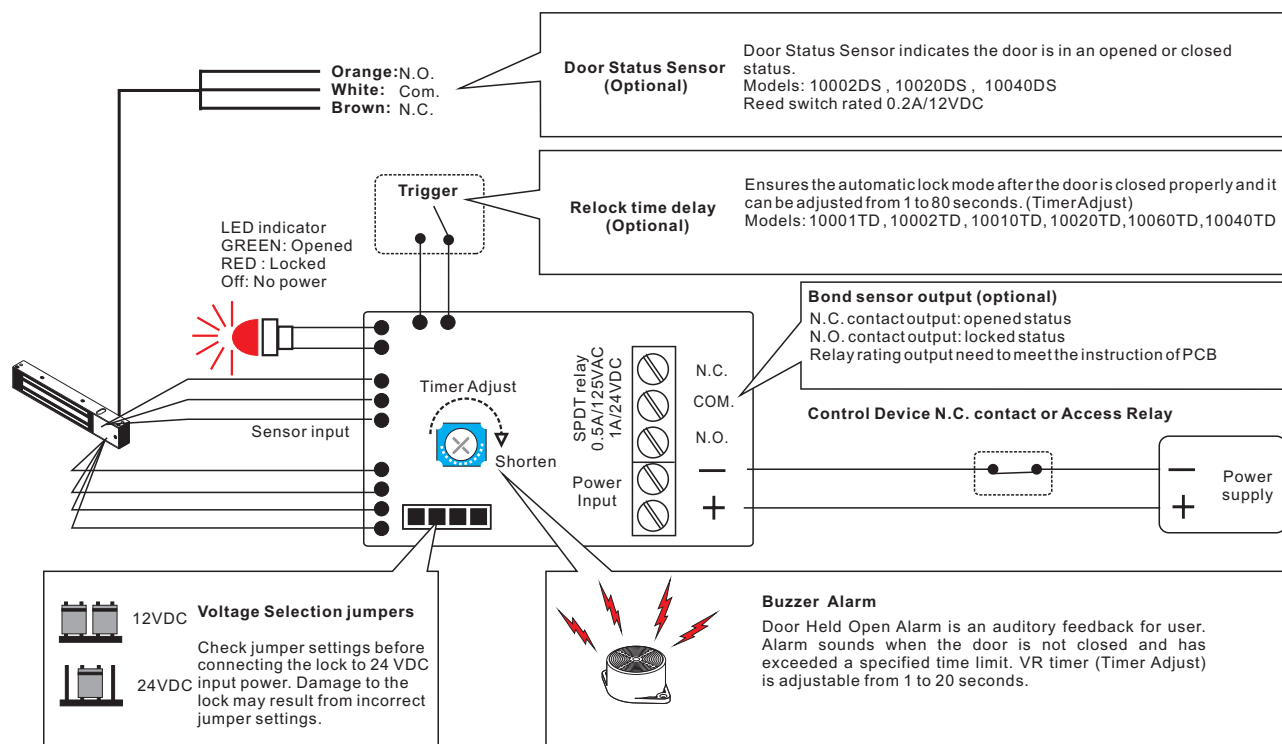


Adjust the position between Z bracket and the door frame. Then fix the Z bracket.



Connect the power and test the unit.

Connecting Diagram



Trouble Shooting

Problem	Possible Cause	Solution
Door does not lock	No power	Make sure the wires are connected properly Check that the power supply is connected and working properly Make sure the lock switch is wired correctly
Low holding force	Poor contact between electromagnet and armature plate	Make sure if the armature plate is deformed? Make sure if the rubber washer was used between magnet lock and armature plate Make sure the contact surfaces of the electromagnet and armature plate are clean and free from dust
	Low voltage or incorrect voltage setting	Ensure the electromagnet lock is set for the correct voltage. Check for proper voltage at the electromagnetic locks input. If low, determine if the correct wire gauge is being used to prevent excessive voltage drop.
Sensor output is not functioning	A secondary diode was installed across the electromagnet lock	Remove any diode installed across the magnet for "spike" suppression. (The magnet is fitted with a metal oxide varistor to prevent back EMF)
	Misalignment between the reed switch and electromagnet lock	Make sure the armature plate and electromagnet lock are aligned correctly