



ROFU INTERNATIONAL CORP. INSTALLATION INSTRUCTIONS FOR

8003-S Standard Mount Micro magnet

8003-F Face Mount Micro Magnet

8003-M Mortise Mount Micro Magnet

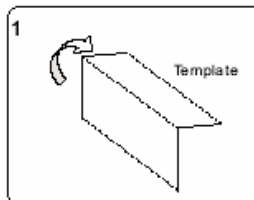
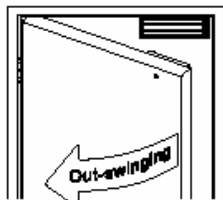
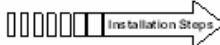
Holding Force: 275lbs

Current Draw: 300mA @12VDC

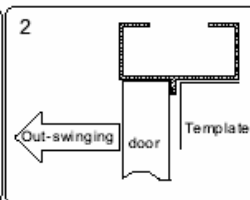


Regular Installation

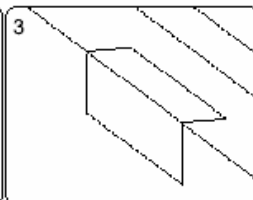
8003S



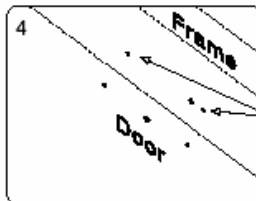
1 Fold the mounting template along the dotted line to a 90-degree angle.



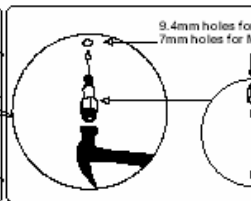
2 Close the door, find a mounting location on the door frame near the upper free-moving corner of the door, as close to the corner of the door frame as possible.



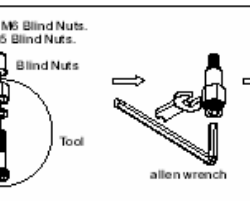
3 Place the template against the door and frame. Be sure the centerline of the armature template matches the centerline of the magnet template.



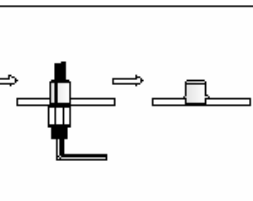
4 Drill and tap holes as indicated.



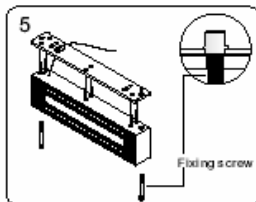
Insert two Blind Nuts into separate holes, one for each fixing screw.



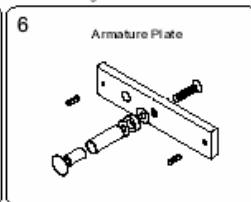
Use the allen wrench. To slowly tighten the Blind Nut. (Don't turning over)



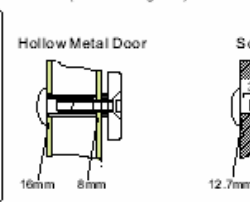
This compress the Blind Nut so that it remains permanently fixed in the frame. Remove the tool.



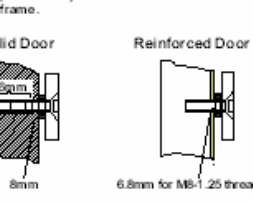
5 Use the screws to permanently mount the mounting plate, mount the magnet with hardware provided.



6 Mounting the armature plate to the door. Actual installation varies according to door style.



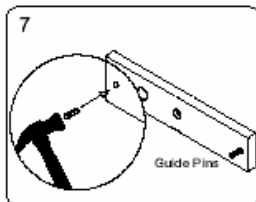
Drill an 8 mm hole through door, from sextant bolt side only, enlarge the 8mm hole to 16mm.



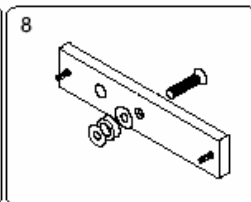
Drill an 8 mm hole thru door from sextant bolt side of door, drill 12.7mm hole, 36mm in depth.



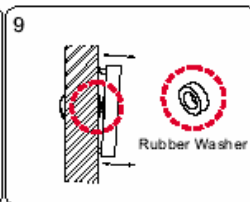
Drill an 6.8 mm dia. Hole and tap for M8x1.25 thread.



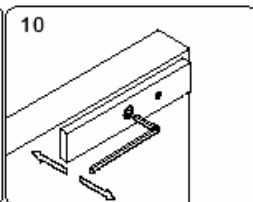
7 Make sure the Guide Pins are in the two guide pin holes.



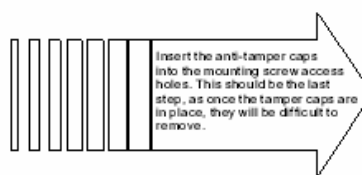
8 Put one rubber washer between two washers, and place them over the armature screw between the armature plate and the door.



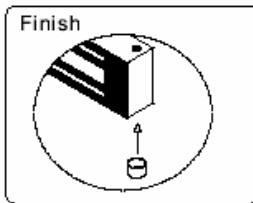
9 This will allow the armature plate to pivot slightly around the armature screw in order to compensate for door misalignment.



10 Connect the power lead, and test the unit. Close the door, use the Allen wrench or add washers to adjust the gap of Armature plate and the magnet.



Insert the anti-tamper caps into the mounting screw access holes. This should be the last step, as once the tamper caps are in place, they will be difficult to remove.



Wiring:
Red = + (Plus)
Black = - (Negative)

As with all magnetic locks please break the + line with the Control (Switch).

ROFU International Corp.

10029 South Tacoma Way # E-11

Lakewood, WA 98499

Ph. 1-800-255-7638 / 253-922-1828

Fax 1-888-840-7272 / 253-922-1728

Website: www.rofu.com Email: info@rofu.com

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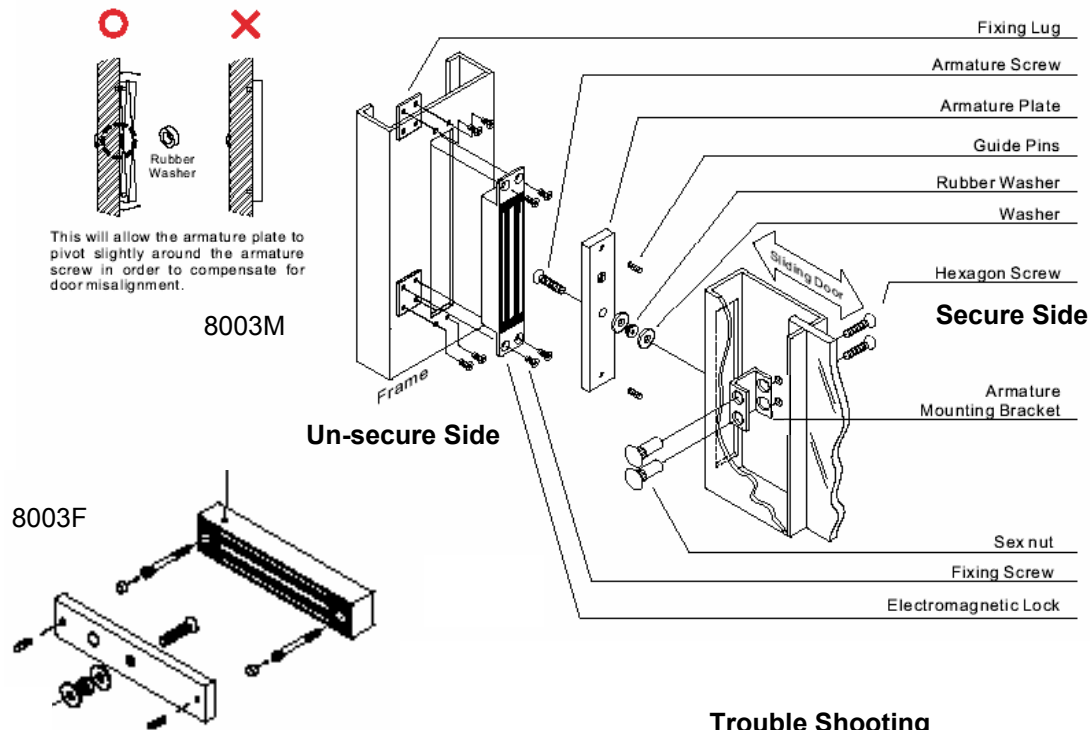
8003-F Micro Magnet
8003-M Micro Magnet
8003-S Micro Magnet

Holding Force: 275lbs / Current Draw: 300mA @12VDC



Installation Diagram

Please note that the actual accessory pack varies according to the electromagnetic lock model.



Trouble Shooting

Magnet does not lock	No Power	Check the wires to ensure they are tight to the contact terminals
		Check that the power supply is connected and operating properly
		Ensure the Switch is wired correctly
Reduced holding force	Poor contact between the magnet face and the armature plate.	Ensure the control (switch) is wired correctly
		Ensure that the magnet and the armature plate are properly aligned
		Ensure the contact surfaces are clean and free from dust
	Low voltage or incorrect voltage setting	Verify the voltage at the magnet. If the wrong wire has been used it is probable that line drop will cause this.

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