



Trouble Shooting for ROFU Electromagnetic Locks



PROBLEM	POSSIBLE CAUSE	SOLUTION
The door can not be locked	There is no DC voltage applied to the lock	<ul style="list-style-type: none"> ☛ Check the wires, ensure that they are secured and connected to the correct terminals. ☛ Check the power supply, ensure it is operating correctly. ☛ Check the wires from the magnet block to the PC board, ensure the wires are connected.
Reduced holding force	The magnet and the armature plate are not "mating" correctly	<ul style="list-style-type: none"> ☛ Check to ensure the lock is wired correctly ☛ Ensure the magnet and armature are aligned correctly. ☛ Clean the face of the magnet and the armature plate. (suggest WD-40) Do not use abrasives!
	Low voltage or incorrect voltage	<ul style="list-style-type: none"> ☛ Ensure the correct voltage is being supplied to the magnet (DC power only). ☛ Ensure the jumpers are set to the correct voltage. ☛ Test the voltage at the magnet to ensure it is getting enough voltage (DC power only).
Delay in Door Releasing	Secondary diode installed across the magnet	☛ Remove diode installed across the magnet for "spike" protection. The magnet already has a diode installed.
	The reed switch and its magnet are not aligned correctly.	☛ Check the installation of the armature plate with the supplied template
	Voltage Bleeding	☛ Two Magnets installed in parallel, we suggest using a diode inline with each magnet to stop voltage from bleeding to the other magnet.
	Induction	☛ Power Cables run next to wiring to the magnet
	Residual magnetism	<ul style="list-style-type: none"> ☛ Check the installation of the armature plate, ensure that it has a BLACK rubber washer glued at the end of the thru bolt. ☛ Swap the armature plate with an armature plate from another door installation. ☛ Clean the face of the magnet and the armature plate with WD-40 (Do not use abrasives)