

Trouble Shooting

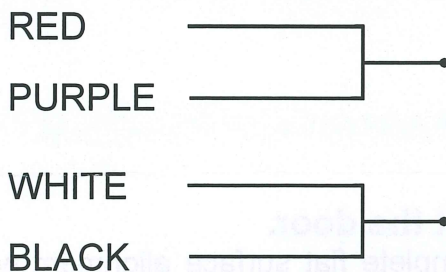
Problem	Possible Cause	Solution
Door can not be lock	No DC voltage to lock.	Check power supply and wiring to magnetic lock.
Reduced holding force	Bad physical contact between armature plate and face of magnet.	Ensure mating surfaces are clean and in proper alignment and the armature plate floats freely. Check magnetic lock for low voltage.

Maintenance

Contacting surface of the Electro-Magnet and Armature Plate must be kept free of foreign particles. Surfaces should be cleaned periodically with a non-abrasive cleaner. Do not spray or clean the Electro-magnet or Armature Plate surface with any chemicals such as lacquer, etc., as there is a primer coated surface protection, This will cause serious problems on the release of the magnetic Lock and its Armature Plate resulting in serious safety problems.

iGEM 4700 WIRING DIAGRAM

12VDC:



24VDC:

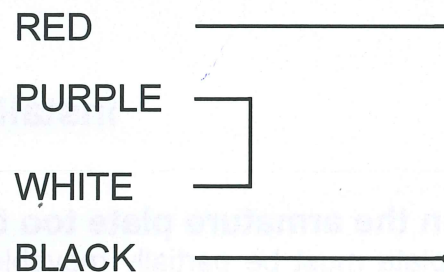


FIGURE 1

iGEM 4700S/iGEM 4700F

Electro-Magnetic Lock wiring Instructions

Wiring Instruction Sheet No. 020925A

For Wiring Installation Refer to Figure 1.

The iGEM 4700 series Electro-Magnetic Lock requires a filtered and regulated DC Power Source for optimal performance.

12VDC or 24VDC Power Wiring

Refer to Figure 1.

Make sure that proper power wiring connection is followed before 12VDC or 24VDC power is applied to the Electro-Magnetic Lock to prevent damage to the unit.

Power Input Requirements:

12VDC	0.39A
24VDC	0.20A

Electro-Magnetic Lock Description:

The iGEM 4700S is a side mount and the iGEM 4700F is a face mount Magnetic Lock with stainless steel housing and have a built-in voltage spike protection.

Installation Tips

Do not fasten the armature plate too tight against the door.

The armature plate must be partially movable to allow complete flat surface alignment with the magnet surface. The Magnetic Lock will lose holding force without this floating alignment.

Do not trim the rubber washer glued on the head of the armature bolt

Trimming this rubber will adversely effect the unlocking of the Magnetic Lock.