Important safety precaution

Secure the **iGMEM 2400** Mechanical Electro Magnet firmly on the door frame With the provided screw and have it check periodically for any possible screw loosening .

Maintenance

Contacting surface of the Mechanical Electro Magnet and Armature plate must be kept free of contaminating materials. Surfaces should be cleaned periodically with a non-abrasive cleaner. Do not spray the Mechanical Electro Magnet or Armature plate surface with any lacquer chemicals. This will cause serious problems with the release of the Armature plate from the Mechanical Electro Magnet and cause serious safety problems.

Trouble Shooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
Door will not lock	No DC voltage to lock.	Check power and loose wiring
	Wrong wire connection.	Check wiring, refer to wiring instruction.
	Bearing sleeve nut rise higher than magnet flat surface.	Screw in the bearing sleeve nut at level with surface with the provided security screw.
There is back pressure when power is off	Back pressure exerted on the MEM lock not allowing the magnetic lock to retract back to it's original position	Avoid applying continous pressure on the door during opening, back off any pressure and the door would open instantly.

iGMEM 2400 Series

Mechanical Electro Magnet Description

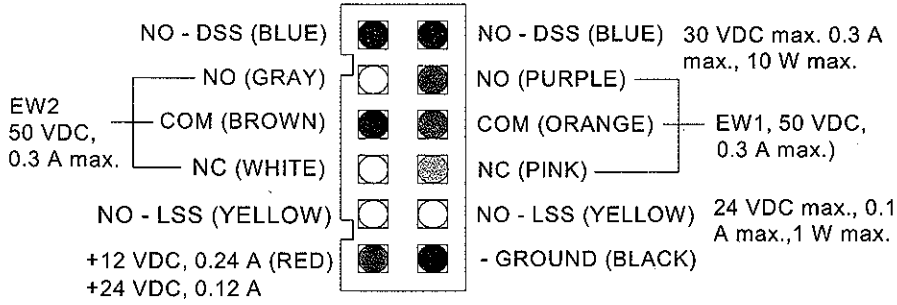
iGMEM 2400 model uses traditional LED for light signaling and the iGMEM 2400LP model uses light strip for light signaling (see light feature).

The **iGMEM 2400** Mechanical Electro Magnet will operates on 12 or 24 VDC power to attracts the Armature plate and when external pressure is applied to break that hold, the pivoting pin inserted into the MEM slot holes will be clasp by six ball bearings drag out from the upward pull movement of the magnetic block within the lock body to be clasp firmly at a superb holding force of 680kg/ 1496 lbs. and when power is removed the MEM would release its hold on the Armature plate, retract back into position and release the clasp on the pivoting pin. **NOTE: AVOID APPLYING PRESSURE ON THE DOOR TO EXIT.**

The **iGMEM 2400** Mechanical Electro Magnet has built-in SPST reed switch sensor for remote door monitoring status (Normally Open) on two non- polarity BLUE wire output and two non- polarity YELLOW wire for remote lock monitoring status (Normally Open). The two SPDT early warning output EW1 is on ORANGE (COM), PINK (NC) and PURPLE (NO) and EW2 is on BROWN (COM), WHITE (NC) and GRAY (NO)

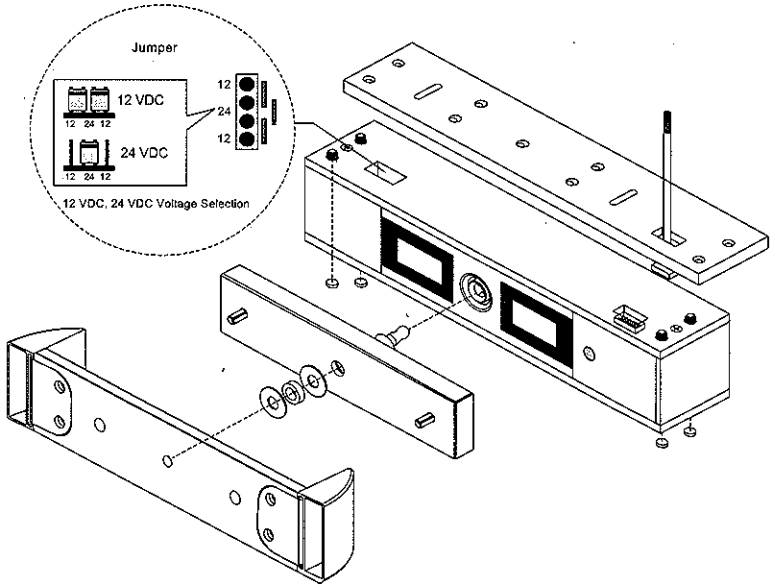
The operating switch or controlling contacts must be installed from the power source across the Magnetic lock to reduce operating time, the DC output of the power supply must **NOT** be connected to earth ground but isolated to prevent shock and possible damage to the unit.

Wiring and Power Input

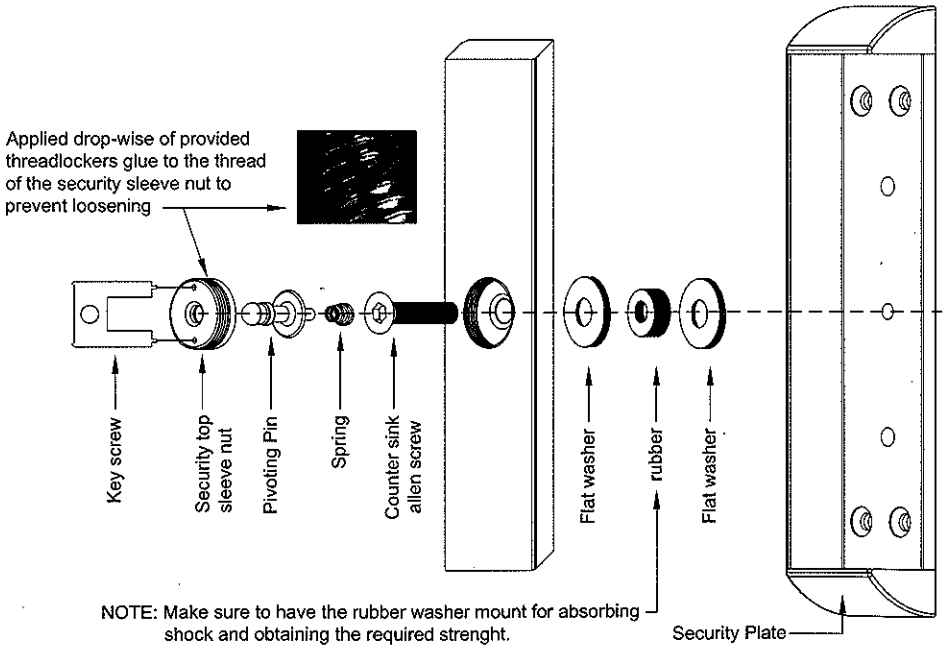


Ensure that wiring is connected correctly before supplying power to the Mechanical Electro Magnet to prevent damage to the unit.

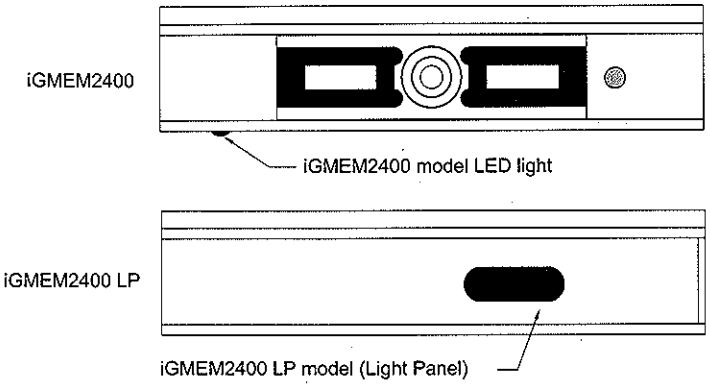
Installation diagram



Pivoting Pin Assembly



Light feature



Installation dimension