INSTALLATION INSTRUCTIONS
Mechanical Electro Magnetic Sliding Door Locking Device MEM 1982JM

Description
The patented MEM1982JM series of Mechanical Electro Magnet locking devices are designed for securing all types of sliding doors. The MEM device has a holding force of up to 680kg and has been Fire Tested for up to 4 hours to both AS & BS Standards.

Monitoring
The MEM1982JM Devices are provided with a number of unique monitoring features for either local or remote alarm indication:

• Lock Status Signal (LSS) 1 set of normally open contacts (N/O – Yellow).
• Door Status Signal (DSS) 1 set of normally open contacts (N/O – Blue).
• Early Warning (EW) x 1, 1 set change over contacts. (Common–Brown; N/C–White; N/O–Gray)

Functions
The MEM1982JM Mechanical Electro Magnet operates on12VDC. When power is applied to the lock and the door is in the closed position the armature plate is magnetically attracted to the MEM device and both the DSS & LSS switches change status to NC.
When pressure is applied to the door in an attempt to open it, unauthorized, the armature locking pin engaged in the MEM keeper is gripped by a bearing locking mechanism, fully securing the door with a holding force of up to 680kgs.
At the same time the MEM device provides local and/or remote “Early Warning” (EW) security alarm indication (local sounder is not part of the product kit).

Wiring and Power Input
The operating switch or controlling contacts must be installed directly from the power source across the Magnetic lock. The DC output of the power supply must NOT be connected to earth but floating to prevent shock and possible damage to the unit.
Ensure that the wiring is connected correctly before powering up the Mechanical Electro Magnetic Lock, to prevent damage to the unit.
Installation diagram

MEM Locking device

Armature plate and U Bracket

Installation dimension
Locking Pin / Armature Plate Installation Instructions
The armature plate is screw fixed onto the Mounting U-Bracket, with the countersunk fixing allen screw.
The armature plate must remain flexible to allow surface alignment with the MEM magnet face, the MEM will lose holding force without this floating alignment.

Maintenance
Contacting surface of the Mechanical Electro Magnetic Lock 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 Magnetic Lock and armature plate surface with any lacquer chemicals.

Trouble Shooting

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<th>PROBLEM</th>
<th>POSSIBLE CAUSE</th>
<th>SOLUTION</th>
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<tr>
<td>Door will not lock</td>
<td>No DC voltage to lock</td>
<td>Check power and wiring</td>
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<td></td>
<td>Wrong wire connection.</td>
<td>Check wiring, refer to wiring instruction.</td>
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<tr>
<td></td>
<td>Bearing sleeve nut rise higher than</td>
<td>Screw in the bearing sleeve nut at level with surface with the provided security screw.</td>
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<td>magnet flat surface.</td>
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