

FEM4000HS(T)/FEM4000DHS(T)

System Description

Both the **FEM4000HST**(for single door) and the **FEM4000DHST**(for double door) are high security electro-magnetic locks with adjustable time delay.

Both the **FEM4000HS**(for single door) and the **FEM4000DHS**(for double door) are high security electro-magnetic locks without adjustable time delay.

LED Indicators

System Status	LED Green	LED Red
Armature Plate not registered	OFF	BLINKING (SLOW)
Door open	OFF	ON
Door close	ON	OFF
Alarm on if wrong Armature Plate	OFF	BLINKING (FAST)

Functions Description

Function	Description
Lock Sensor Status Output (LSS)	A FROM C relay output to indicate the Lock Status. C and NO is conducted when the door is close.
Alarm Status Output (ALARM)	A relay C & NO output to indicate the Alarm Status. C and NO is conducted when the alarm is generated.
Illegal Armature Plate Alarm	Alarm will be generated if, when the door is closed, a illegal armature plate is detected.
Alarm Time Setting	See Figure 1 for the Alarm Time Setting. Alarm time can be set to 15/30/60 seconds or forever.
12/24 VDC Setting	See Figure 1 for the voltage setting.
Time Delay Setting (for HST Version only)	See Figure 1 for the Time Delay Setting. Adjust the variable resistor to select the Time Delay, 0 – 90 seconds. Counterclockwise- increase the Time Delay,
LED Indicators	LED green and LED red to indicate the status of the system.
Non-Volatile EEPROM	Will save the Armature Plate ID when power is off.

Armature Plate Registration

Power on the magnet and if the Red LED is blinking slowly, you can tell that the Armature Plate hasn't registered yet. Just close the door and register the Armature Plate to the system.

The blinking is off to indicate the Armature Plate is registered.

Note: The Armature Plate is always registered before shipping.

Hardware Specification

Power Input	12 or 24 VDC.
Power Consumption(Per Door)	12 VDC – MAX. 0.59A. 24 VDC – MAX. 0.29A.
Output Relays(Per Door)	Lock Status Output – Form C: 1.0A 120VAC, 2A 30VDC. Alarm Status Output – C & NO: 1.0A 120VAC, 2A 30VDC.
Wires Requirement(Per Door)	Power Input – 2 wires. Relays Output – 4 wires.
Operating Temperature	-10 to 60 degree C.

Wiring & Settings

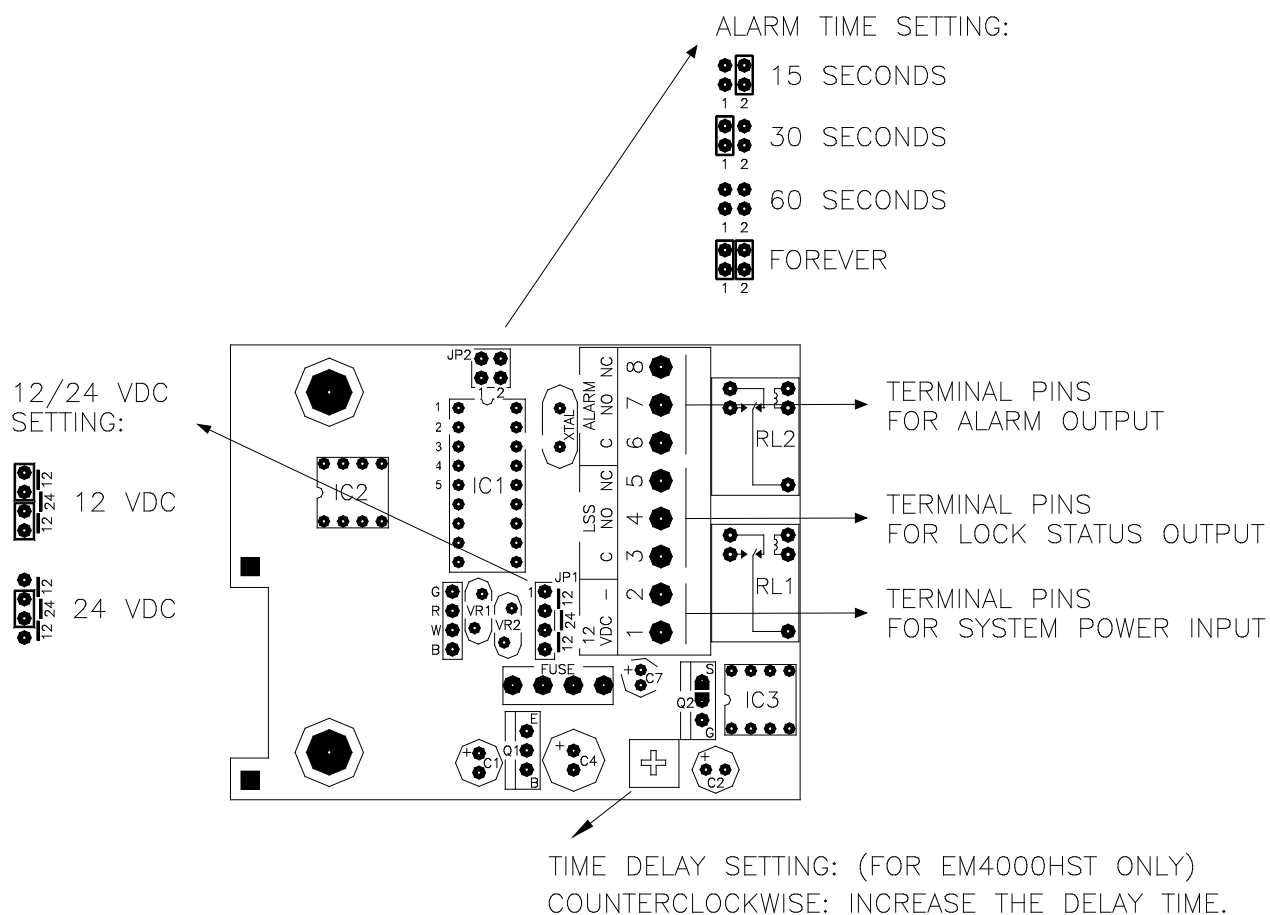


FIGURE 1

HIGH SECURITY MAGNETIC LOCK FLOW CHART

