



PG LIFE LINK

OPERATING INSTRUCTIONS FOR MODEL MARK IV LINE ISOLATION MONITOR (LIM)

The Line Isolation Monitor should be energized continuously for maximum stability.

1. **“NORMAL” OPERATION:** With all branch circuit breakers OFF, LIM meter should read just into the green zone, or slightly below, and green lamp should be illuminated. If green light is not on, check main circuit breaker supplying power to panel.

As branch breakers are turned ON, the meter will display additional hazard current, the amount depending upon the connected system leakage.

2. **“ALARM” OPERATION:** When the accumulated leakage of the system exceeds 5.0 mA, the green NORMAL lamp will extinguish, the red ALARM lamp will illuminate, and the buzzer will sound. Press the SILENCE switch to silence the buzzer. The red lamp will remain lit and the yellow lamp will illuminate until the fault is cleared. NOTE: The line isolation monitor provides warning when excessively low impedance to ground (first fault) develops, which might expose the patient to an unsafe condition should a second fault occur. Excessive current in the grounding conductors will not result from a first fault. A hazard exists if a second fault occurs before the first fault is removed. When alarm occurs, hospital staff should follow the procedure outlined by the governing board of the hospital.

Remote annunciators function in the same fashion, and the buzzer may be silenced from a Remote Annunciator location with the Remote Silence Switch.

3. **“TEST” OPERATION:** The Test switch should be pressed to test the proper operation of the LIM. When it is pressed and held, results should be identical to ALARM operation, described above. Meter will read “CAL” after test switch is released and LIM will go through a self calibration. The LIM will self calibrate once every 24 hours.

Call a Service Representative if the LIM does not respond to the TEST switch. Remote Annunciators may or may not be equipped with TEST switches. If they are, check them also.

4. **Model LIM Mark IV** has a LIM ground-open sensing circuit. If the meter reads near zero (or in the green zone) but the red signal and buzzer are on, it means that the ground connection between the LIM and the Reference Ground Bus is faulty. Call your Service Representative immediately, as the LIM is inoperative. The buzzer may be silenced with the SILENCE switch.

In the event of trouble, see below for factory contact information.

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These instructions must be framed and placed adjacent to the LIM, or in a location recommended by the local Inspection Authority.