

OPERATION / TESTING / MAINTENANCE

OPERATION

When AC power is applied, the LED test switch is illuminated, indicating that the batteries are being charged. When AC power fails, the MIP-100 automatically switches to emergency power, operating the lighting load at rated emergency power. During power failure, the LED test switch will be off. When the AC power is restored, the MIP-100 switches the system back to normal mode of operation and resumes battery charging. The minimum emergency operation time is 90 minutes. A short term discharge test may be conducted after unit has been charging for 1 hour. The charging time for the full discharged battery of MIP-100 is 12 hours.

TESTING AND MAINTENANCE

The following Periodic testing is recommended to ensure the system is working correctly.

1. Visually inspect the LED test switch (LTS) monthly. It should be illuminated when AC power is applied.
2. Conduct a 60-second discharge test by switching off the emergency breaker every month. The LTS will be off.
3. Conduct a 90-minute discharge test once per year. The LTS will be off during the test.

Wzb3i°zW°iW°5°(W

On initial power on or after a battery reset, if the Wzb3 TEST is enabled, the LTS (Led test switch) will blink 3 times (on 0.3 seconds and off 0.3 seconds), and then stay off for 2 seconds. The LTS will return to normal mode (slow blinking during charging, on after fully charged); If the Wzb3 TEST is disabled, the LTS will blink 6 times (on 0.3 seconds and off 0.3 seconds) and then stay off for 2 seconds. The LTS will return to normal mode (slow blinking during charging, on after fully charged).

Disabling/z nabling Wzb3 TEST:

During normal operation, press the LTS 5 times within 3 seconds. If the Wzb3 TEST was previously enabled, the signal light will blink 6 times (on 0.3 seconds, off 0.3 seconds) and then stay off for 2 seconds. After 3 cycles of this display, the LTS will return to normal mode (slow blinking during charging, on after fully charged), and the Wzb3 TEST will be disabled. If the Wzb3 TEST was previously disabled, the LTS will blink 3 times (on 0.3 seconds and off 0.3 seconds) and then stay off for 2 seconds. After 3 cycles of this display, the LTS will return to normal mode (slow blinking during charging, on after fully charged) and the Wzb3 TEST will be enabled.

The MIP-100 has an WJY±ITest feature which saves cost by reducing the need for manual testing.ipHz35(b°r

1. Self- S . . - 1 - . 2

2. S S Self

The unit will conduct the first Monthly WJY±ITest after 24 hours and up to 7 days after initial power on. Then monthly tests will be performed every 30 days.

*r Annual WJY±ITest will occur every 52 weeks after initial power on.

- Monthly WJY±ITest

The Monthly WJY±ITest shall be executed every 30 days, and will test:

Normal to emergency transfer function, emergency, charging and discharging conditions are normal. Monthly

MANUAL TEST

YB Press the LTS one time to simulate emergency mode for 10 seconds.

,c Press the LTS 2 times continuously within 3 seconds to force a 60-second monthly test. After the test is completed, the next (30-day) monthly test will count from this date.

wc Press the LTS 3 times continuously within 3 seconds to force a 90-minute annual test. After the test is completed, the next (52-week) annual test will count from this date. Note - the product must be 24-hour fully charged.

fc In normal mode, press and hold the LTS for greater than 3 seconds to restart Initial Auto Test.

mD During any manual test, press and hold the LTS for greater than 3 seconds to terminate a manual test.iThe Preprogrammed Scheduled Auto Test time will not change.

LED TEST SWITCH CONDITIONS

LTS Slow Blinking: Normal Charging

LTS On: Battery Fully Charged - Normal Condition

LTS Off: Power Failure

LTS Gradual Change: In Testing Mode

LTS Quickly Blinking: Abnormal Condition - Corrective Action Required