

Installation Instructions

Ironclad® Correctional LED Emergency Exit Signs

Self-Testing / Self Diagnostic

Operating Instructions:

This unit meets the requirements of NFPA 101 for Periodic Testing of Emergency Lighting Equipment. It provides visual indication of unit malfunctions including: Battery Fault, Charger Fault, Transfer Fault, Lamp Fault

IMPORTANT: READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

Must be wired in accordance with the National Electrical Code and all applicable local codes.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING: Make certain power is OFF before installing or maintaining fixture.

SELF-TEST

- The unit will perform a self-test and diagnostic function at least once every 30 days. The self-test will disable the charger and turn on the LEDs for 5 minutes to check the lamp load and battery. The test will be performed only if the battery is fully charged. If not, the test will automatically reschedule. The charger function is monitored continuously.

USER-TEST

- A User-Test may be performed at any time the status display is continuous green. On initial power-up, it could take up to 72 hours for the status display to reach continuous green.
- With a fully charged battery, pressing the test switch momentarily will initiate a 30 second test. Pressing the test switch continuously for 4 seconds and releasing it will initiate a 90 minute test.
- Either test can be cancelled by pressing the test switch again for 1 second.

REMOTE LAMP OPERATION

- The self-diagnostic system “learns” the lamp load when the unit reaches its first full charge. It is therefore necessary to have any remote lamps already connected when first applying AC power. Subsequent self-tests and user-tests will compare the actual lamp load to the “learned” value.
- If the remote lamp load is changed once it has been learned, it is necessary to disconnect AC power at the circuit breaker panel and unplug the internal battery. Once these are reconnected, the unit will “learn” the new lamp load.

INFRA RED REMOTE TESTING

- To activate TRANSMITTER, remove tab from back of device.
- The USER-TEST can be performed up to 20 feet away using the optional “INFRA RED REMOTE TESTING TRANSMITTER”. By aiming the TRANSMITTER at the legend face, and pushing either the “30 SECOND” or “90 MINUTE” button for 1 second, all the “TEST SWITCH” functions can be performed.

Status Indications		
Status Display	Function	Action
Continuous Green	Battery in Float/Trickle Charge	None
Continuous Red	Battery High Charging	Wait for Green Status
Flashing Green	In Test Mode	Wait for Test to Complete
Alternate Red & Green	Insufficient Charge for User Test	Wait for Full Charge
Red - One Blink ON/ Pause	Transfer System Failure	Factory Service
Red - Two Blinks ON/ Pause	Battery Failure	Check Connections / Replace Battery
Red - Three Blinks ON/ Pause	Charger Failure	Factory Service
Red - Four Blinks ON/ Pause	Lamp Failure	Check Remote Connection / Service