LED INDUSTRIAL EXIT/EMERGENCY COMBO SELF-DIAGNOSTIC INSTRUCTION SHEET

Introduction

Once the unit is properly installed according to the Installation instructions and AC power is supplied, the EXIT will come ON. The dual-color LED indicator will also come ON, automatically initiating the self-diagnostic test function. The LED indicator points out the current unit status. Refer to "Fault Indication" section for more details. The LED indicator would be OFF when the unit is in Emergency mode.

Self-Diagnostic Service

The self-diagnostic function is factory preset without any field adjustment. The automatic self-diagnostic feature serves the following tests -

- On-line real time monitoring of battery and LED(s): Identifies battery charging, disconnection and failure along with LED strip, lamphead failures.
- Self-testing and a 30-second discharge once every 30 days (conforming to NFPA code requirements), after AC power has been supplied for a minimum of 24 hours.
- Self-testing and a 30-minute discharge once every 180 days, after AC power has been supplied for a minimum of 24 hours.
- Self-testing and a 90-minute discharge once every 365 days (conforming to NFPA code requirements), after AC power has been supplied for a minimum of 24 hours.

Fault Indication

Function	LED Indication
Battery fully charged	STEADY Green
Unit in test mode	Flashing Green
Battery Recharge	Red and Green (flashing alternatively)
Battery Disconnected	STEADY Red
Lamphead failure	Flashing Red (‘3’ times)
Battery Recharge Failure*	Flashing Red (‘4’ times)
Battery Failure**	Flashing Red
LED Strip Failure	Flashing Red (‘2’ times)

** A battery recharge failure is more likely seen after a monthly or annual auto-discharge.*

*** A battery failure is more likely seen when the unit goes into a monthly/annual discharge test and/or fails to run the LED strip, lampheads for the designated amount of time in Test/Emergency mode.*

Manual Testing

This unit can also be manually tested using the magnetic test switch. Place the magnet (provided) on the unit (near the section marked as “Magnetic Test”) and pull away (at least 3 cm from the unit). This will force the unit to run a 30-second discharge test. Test can be interrupted by placing the magnet again on the unit and pulling it away. To reset the unit, place and hold the magnet for 6 seconds and the pull away.

Operation

During an electrical power failure, the LED strip & lampheads will transfer into Emergency mode and stay LIT for a minimum of 90 minutes. The battery needs to be charged initially for 24 hours before using the magnetic test switch (to do manual test). In the test mode, the LED strip & lampheads will transfer into a SIMULATED Emergency mode with the LED indicator FLASHING Green for 30 seconds. After the test is completed, the LED strip will continue to stay ON and the lampheads would turn OFF.