



Self-Test/Self-Diagnostic



Self-Test/Self-Diagnostic Option

All of Pierborne’s EM Power Vaults are available with a self-diagnostic SDT option to meet NFPA requirements for monthly and yearly testing of emergency lighting. The feature is factory preset and performs a five second test every 30 days, 30 minute test every 6 months, and 90 minute test once a year. Faults are recorded using the static indicator on the front panel. Once a fault is corrected, the indicator will return to normal service.

- The self-diagnostic function is factory preset and performs the following:
- A) Continuous monitoring of battery, battery charger and connected loads.
 - B) Self-testing and a (30) second discharge with a randomized start (per UL 924, Sec. 30.2), once every (30) days, after normal utility power has been supplied for a minimum of (48) hours.
 - C) Self-testing and a (30) minute discharge with a randomized start (per UL 924, Sec. 30.2), once every (180) days, after normal utility power has been supplied for a minimum of (48) hours.
 - D) Self-testing and a (90) minute discharge with a randomized start (per UL 924, Sec. 30.2), once every (365) days, after normal utility power has been supplied for a minimum of (48) hours.

Self-Diagnostic Service Indication	
<u>LED Indicator</u>	<u>Status</u>
• GREEN Steady	Normal Service
• RED/GREEN Blinking	High Charge Enabled
• GREEN Blinking	Test Mode Enabled
• One Blink RED/Pause	Battery Charger Fault
• Two Blinks RED/Pause	Battery Fault
• Four Blinks RED/Pause	Lamp/Load Fault

Manual Testing

<u>Action</u>	<u>Reaction & LED Indication</u>
• Push test switch once	30 second test: One blink GREEN/Pause
• Push test switch twice (within 2 seconds)	30 minute test: Two blinks GREEN/Pause
• Push test switch thrice (within 2 seconds)	90 minute test: Three blinks GREEN/Pause
• Push test switch & hold for 3 seconds	Cancels test
• Push test switch & hold for 6 seconds	System reset