



# Advanced Diagnostics

## Standard Features

By incorporating our most popular standard diagnostics features with a high-powered 8-bit microcontroller, our new Advanced Diagnostics system assures unsurpassed reliability in one, totally contained system. In the event of an equipment malfunction, the Advanced Diagnostics system produces an audible warning in the form of an intermittent beep and the LED indicator associated with the fault will illuminate continuously. When the problem is acknowledged by depressing the alarm/silence/test button, the alarm is silenced and the LED indicator changes to a flashing mode until the problem is corrected.

- Continually monitors system parameters
- Incorporates state-of-the-art microcontroller technology
- AD includes audio and visual service alarms
- ADNA non-audible version for visual service alarms only
- Self-testing in accordance with NFPA101, Life Safety Code

## Features

### Battery Failure

(Red) Illuminates if the battery is shorted or battery voltage drops below preset value. Will also detect incorrect battery (ie. 6Vdc vs. 12Vdc)

### Battery Disconnect

(Red) Illuminates if the battery circuit is open.

### Charger Failure

(Red) Illuminates when charger is not functioning properly by monitoring the charger current.

### Lamp Failure

(Red) Illuminates when one or more emergency lamps fail. Also monitors remote lamps.

### Service Alarm

(Red) Illuminates when a fault is detected that requires a qualified service technician.

### AC-On

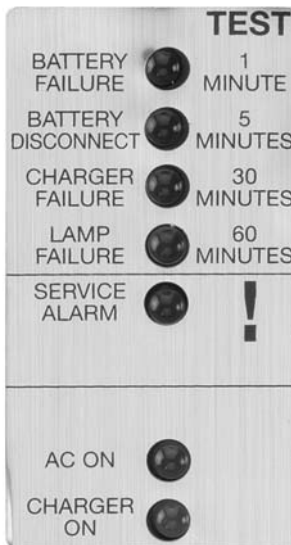
(Green) Lit when line voltage is present.

### Charger On

(Amber) Illuminates when charger is recharging the battery.

### Alarm On

Button is used to acknowledge and silence alarms. Also functions as a manual test switch to simulate a power failure.



### Self Testing

Unit tests itself every thirty days for minimum of 30 seconds, thirty minutes on the sixth month and ninety minutes annually.

### To Order for Compatible Unit

Add Suffix: AD to model number

Add Suffix: ADNA (for non-audible circuit) to model number.