

TCP Inc. offers the SELF DIAGNOSTIC (SD) feature on many of our exit and emergency lighting fixtures. This feature is becoming increasingly more important in the world of exit and emergency lighting as architects and building owners become more aware of its tremendous value-added functions and safety-assuring technology.

The heart of the SD feature is the on-board IC chip that continuously monitors the entire fixture and reports any malfunctions via a user interface. The user interface identifies the exact nature of the problem allowing the occupant or service personnel to take the proper steps to correct it. The SELF DIAGNOSTIC feature included in the circuitry tests the fixture every 30 days for 15 minutes and once every 12 months for a full 90 minute discharge test simulating a maximum use power failure. After each test it recharges the battery automatically and returns to normal operating mode. Any problems found during or after the test are reported through the user interface.

This SELF DIAGNOSTIC feature actually helps prolong the life of the batteries by keeping them exercised and fresh. Without the SD feature, the battery can remain idle for long periods time, only being used in an actual failure and thereby depleting their ability to hold and maintain a proper charge.

Self Diagnostic Features

1. Exercises battery automatically and prolongs battery life.
2. User interface signals exact nature of any malfunction.
3. Runs a 15 minute test every 30 days.
4. Runs a 90 minute test once per year.

