Emergency Self-Diagnostic

Self-Testing/Self-Diagnostic is a way to automatically test emergency lighting operation without any additional outside interaction. This feature helps to reduce time and labor that comes with code-compliant testing which will overall reduce maintenance costs.

This feature helps to ensure that testing is done as required by conducting a thirty (30) second test every thirty (30) days and ninety (90) or one hundred eighty (180) minute test every twelve (12) months. The initial Self-Diagnostic test occurs at random to help prevent multiple luminaries from entering Self-Diagnostic testing at the same time. During the Self-Diagnostic testing period the light level is reduced to that of the emergency output light level.

The unit continuously monitors battery health to ensure sufficient capacity is maintained to meet required minimum emergency times. The lighted test button indicator will flash appropriate error codes to provide visible alerts (see Self-Diagnostics Indication table located on spec sheet).

LED Indicators Status	EM Driver Status/Mode
● Solid Green	System OK/AC OK (Self-diagnostic Enabled)
● Slow Flashing Red, 4s on/1s off	Battery PACK not found, check BAT pack
● Flashing Red, 1s on/1s off	Battery PACK Failure, replace BAT pack.
● Flashing Green, 1s on/1s off	Self-diagnostic process ongoing.
● Fast Flashing Red, 0.1s on/0.1s off	Charging circuit is abnormal, check EM Driver.
● None. Both LEDs OFF	Normal working in EM mode.
● Green/Red alternative flashing, or Very Slow Flashing Red, 4s on/4s off	OTP/OCP/OVP or other internal protections triggered.

Above table is an example of the error codes displayed through the LED indicator for the FHSCP-UNV-10P-L-SD.

Self-Diagnostic is ideal for difficult to test/reach fixtures and reduces large scale testing of multiple fixtures. Such high traffic areas as schools, industrial plants, food industry, healthcare environments, and various institutional facilities can only benefit from having fixtures that come with self-testing.

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