

# Egress Lighting Integrity Test

## General

When designing an emergency egress lighting system, it is imperative to fully understand the design's NFPA testing capabilities. As stated in the NFPA 101 requirements, the life safety system must be able to

perform at a minimum, a 30 second test every 30 days, and a full load test annually. The results of these tests must be logged and filed or stored. Automatic, complete egress lighting system testing removes the human

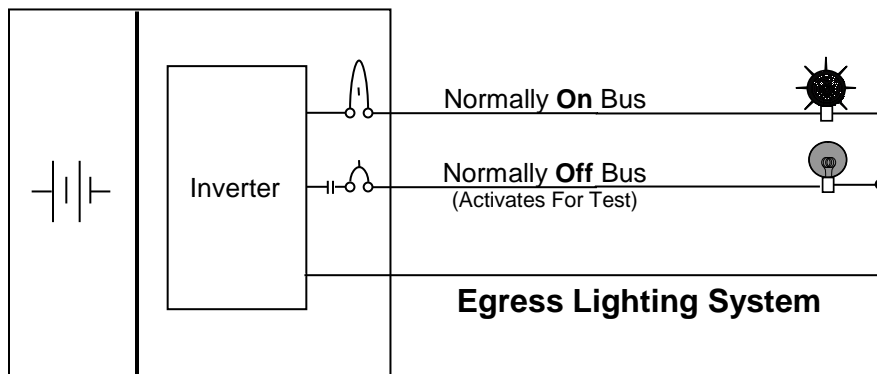
element and the expense of manual testing. Remember, in most cases, building insurance is only valid when all codes are complied with every month. Reduced liability is not an accident, it is by design.

## CPC Inverters With The "Intellistat" or "Intellistat TS" Monitor

Our [single and three phase emergency lighting inverters](#) which include the "Intellistat" or "Intellistat TS" monitor have the industry's most advanced NFPA 101 testing capabilities. The "Intellistat" / "Intellistat TS" monitors have the ability to perform

an Egress Lighting Integrity Test every time an NFPA required test is performed. The Egress Lighting Integrity Test will check the inverter, batteries, breakers, cable, light fixtures, and light bulbs. Power readings are taken at system start-up (full load),

and stored for future NFPA test comparison. If during the comparison, the power deviation is greater than 3-5% typical (user programmable), an alarm will sound to indicate a problem.



**Emergency Lighting Inverter**

## Summary

Our single and three phase emergency lighting inverters which include the "Intellistat" or "Intellistat TS" monitor provide the most comprehensive NFPA 101 testing available. The last

25 test results are stored in non-volatile memory with a time / date, pass / fail stamp. NFPA test time and date are user programmable. All loads attached to the inverter "On-Bus" and "Off-

Bus" will be energized during NFPA mandated tests. This method of testing will provide a true indication of the Life Safety System status every month.