

clever-test™

OPERATION GUIDE V2

INTRODUCTION

Clever-test™ emergency luminaires are programmed to automatically test themselves every six months. The results of the discharge test are provided via the multi-colour LED indicator. Clever-test™ emergency luminaires are installed the same way as a “normal” emergency light with no data cable, PC or special wiring involved.

PLEASE NOTE:

All Clever-test™ fittings are supplied pre-programmed to indicate a “FAIL” as the default indication when they are first installed. They require charging for a minimum of 16 hours before manually initiating the first test. See below for instructions on how to manually initiate a discharge test immediately or after a 24 hour delay.

Before using manually initiated commands, look at the LED to check the status of the fitting. Below is a table to explain each indication in detail, and a quick guide is printed on the fitting itself below the test switch.

LED INDICATIONS:

| | |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SOLID RED (not flashing) | NORMAL. Luminaire is in a normal state awaiting next discharge test. |
| SLOW YELLOW FLASH (2s Yellow, 2s Off) | TESTING. The luminaire is currently performing a test |
| VERY SLOW YELLOW & RED FLASH (4s Yellow, 1s Red) | RECENTLY PASSED. The luminaire has recently tested and passed. This indication remains for 5 days after the test, and then changes to SOLID RED. |
| FAST YELLOW & RED FLASH (0.5s Yellow, 0.5s Red) | FAILED LAST TEST. The luminaire has recently tested and failed to remain illuminated for the required duration. This indication will remain until the required maintenance work has been completed and the luminaire passes a subsequent discharge test. |

HOW TO MANUALLY INITIATE A DISCHARGE TEST:

You may wish to perform a discharge test immediately on a selected luminaire or group of luminaires without waiting for the pre-programmed 6 month test interval. After initiating a test there is no need to remain on site during the test, and the results can be checked on another day. The manually initiated commands can be done two ways:

INDIVIDUAL LUMINAIRES: Press the luminaire test switch 3 times within a five second period and the unit will immediately perform a discharge test.

GROUPS OF LUMINAIRES: All Clever-test™ emergency luminaires on the same circuit can be tested at once by initiating the test command at the circuit breaker rather than the individual luminaire test switch. Simply switch the relevant circuit breaker off for between 9 and 20 seconds, and then back on again. All Clever-test™ luminaires on that circuit will immediately perform a discharge test.

HOW TO MANUALLY INITIATE A DELAYED DISCHARGE TEST:

You may wish to perform a delayed discharge test on a selected luminaire after performing maintenance work on that unit. After initiating a delayed test, the luminaire will test itself 24 hours later, without requiring you to be present on site during the test. The results can be checked on another day.

DELAYED TEST: Press and hold the luminaire test switch for 10 seconds. While holding the test switch, the LED will flash fast and once the command has been accepted will flash very fast. When the LED flashes very fast, release the test switch. The unit will then test itself 24 hours later.

TEST TIME DURATIONS:

The test duration is 4 hours, or 240 minutes, this is to allow the NiCad battery pack to discharge until cut off and prevent premature failure. The pass rate for the first discharge (commissioning) test and 24 hour delayed tests is 120 minutes. The pass rate for the other tests is 90 minutes.

TERMINATE A DISCHARGE TEST MANUALLY:

A currently running discharge test can be cancelled manually by pressing and holding the luminaire test switch for 10 seconds. While holding the test switch, the LED will flash fast and once the command has been accepted will flash very fast. When the LED flashes very fast, release the test switch. The luminaire will return to NORMAL state.

HOW TO SYNCHRONISE & RE-SET TEST DATES:

If a number of Clever-test™ luminaires have been installed over a period of time, the dates they perform automatic self testing will also be spread out over time. You may wish to re-set the testing dates so they will test at the same time.

RE-SETTING TEST DATES: Groups of luminaires on the same circuit may be synchronised and re-set together. Switch the relevant circuit breaker off then on 3 times in a five second period. All the Clever-test™ luminaires on that circuit will perform an immediate discharge test, and subsequent automatic tests will be performed as a group at the same six-monthly intervals.

Please contact us with any questions!

Clevertronics Pty Ltd CLEVER-TEST™ Operation Guide 20100623



Why run around testing your emergency lights?



When they can test themselves!