


ACTIVATION AND TESTING OF CLEVERTEST PLUS (CTP) FITTINGS

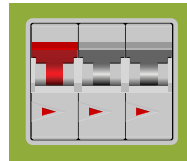
SECTION 1 Activating Clevertest Plus fittings

Products with a CTP symbol  must be activated if you would like to use the automatic self-test function. Choose from one of the methods below to activate fittings. All methods will start each fitting's in-built

timer and set them to automatically perform a 90 minute duration test every 6 months (182 days). Future tests will initiate at the same time of day as the initial activation is completed.

1.1 Activate groups of fittings at the circuit breaker

These two sequences will activate all fittings on a circuit and can also be done at any time synchronisation /resetting of test dates is required. This will make all lights on a circuit test at the same time.

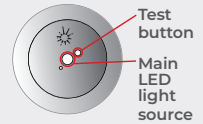


USE A STOPWATCH TO ENSURE ACCURATE TIMING



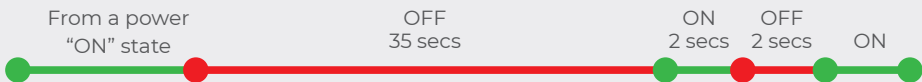
1.1.a. Activate and put fittings into immediate test

From a power ON state – switch power off and on as per the diagram below. You will know that the activation process is successful when the emergency lights' main LED light source illuminates. Exit signs will display the fast green flash to indicate that the CTP is now activated followed by the slow amber flash (meaning testing in progress).



1.1.b. Activate and not start a test

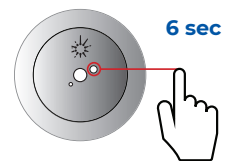
From a power ON state - switch power off and on as per the diagram below. After activation, the status LED will flash Fast Green for 30mins, and then the CTP test status will revert to "No Test Result."



1.2 Activate individual fittings at the fitting

1.2.a Activate and not start a test

Press and hold test button for 6 seconds until light flashes green. Release and press again once. The LED will flash red several times and then display a fast green flash to indicate that CTP has been activated. This fast red flash, in between the "CTP Activated" fast green flash, will continue until the fitting undergoes a test, as this fast red flash indicates NO TEST RESULT as per item in the visual indicator table on page 3.



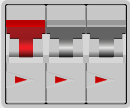
To disable the CTP function, press the test button 6 times within 10 seconds on each fitting to reset the fitting to manual test mode.

SECTION 2 Testing Clevertest Plus fittings

2.1 Initiating an immediate discharge test

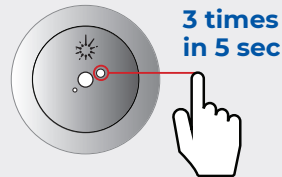
2.1.a Testing groups of fittings:

CTP fittings on the same circuit can be tested immediately by switching the circuit breaker OFF for 18 seconds, and then back ON again. This action does not alter the schedule for the six-month synchronised test.



2.1.b Testing Individual fittings:

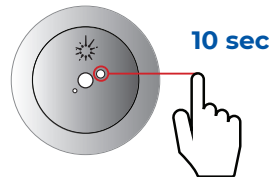
Press the test button 3 times within a five second period for an immediate discharge test. This action does not alter the schedule for the six-month synchronised test.



2.2 Delayed 24 hr discharge test on individual fitting:

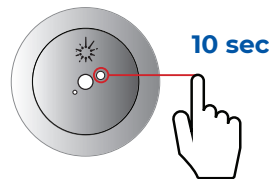
(If replacing a fitting that is not charged)

From a Power ON state, press and hold the fitting test button for 10 seconds until the LED changes to a faster RED flash. This indicates the command is complete. The unit will then test itself 24 hours later.



2.3 Cancel a discharge test

While test in progress, press and hold the test button for 10 seconds to cancel the discharge test.



SECTION 3 Collect test results

To collect a test result you must view the LED status indicator on each luminaire. Activated CTP fittings will display a fast green flash followed by a visual LED Status Sequence in an alternating cycle as per the table in Section 4. Test results can be recorded in the CleverSparky digital log book app or a paper log book. (Clevertronics product code – ELOG)



Download the CleverSparky digital log book app from the App store or Google Play

NB: Fittings supplied before the end of 2023 will display a 20 second fast green "CTP Activated" flash followed by a 10 second "Status" indication. Fittings supplied from the end of 2023 will display a 2 second fast green "CTP Activated" flash followed by a 20 second "Status" indication. Both generations of CTP luminaires can be mixed on a site.

SECTION 4 Clevertest Plus Essential LED indications

Once activated, the LED indicator light of CTP fittings will display a fast green flash followed by a visual status indication.

CTP Activated Flash









FAST GREEN FLASH



The fast flash indicates that the CTP self-test mode has been activated on an emergency luminaire or exit sign.

LED Status Sequence Indications

Use the table below to visually interpret the test result using the flashing LED sequence. A "Recently Passed" indication will display for 5 days, a fault indication will remain permanently until a fitting is repaired and re-tested.

- | | | | |
|----------|--|--|---|
| 1 | SOLID GREEN
(not flashing) |  | NORMAL.
Fitting is in a normal state awaiting next discharge test. This also indicates that a fitting passed its last test. |
| 2 | SLOW AMBER FLASH
(2s Amber, 2s Off) |  | TESTING.
Fitting is currently performing a test. |
| 3 | VERY SLOW AMBER & GREEN FLASH*
(4s Amber, 1s Green) |  | FITTING RECENTLY PASSED WITH BATTERY PRESENT.
The fitting has passed a test. This indication remains for 5 days after the test and then changes to solid green. |
| 4 | FAST AMBER & GREEN FLASH*
(0.5s Amber, 0.5s Green) |  | LAMP FAILED LAST TEST WITH BATTERY PRESENT.
The fitting has been recently tested and has a lamp failure. |
| 5 | FAST AMBER & RED FLASH**
(0.5s Amber, 0.5s Red) |  | CONTROL GEAR FAILED LAST TEST.
The fitting has been recently tested and has a control gear failure. |
| 6 | FAST AMBER & OFF FLASH
(0.5s Amber, 0.5s Off) |  | BATTERY FAILED LAST TEST.
The fitting has been recently tested and has a battery failure. |
| 7 | FAST AMBER & RED FLASH WITH RED PAUSE
(0.5s Amber, 0.5s Red, 0.5s Amber, 2.5s Red) |  | COMPLETE TIMER FAILURE.
The battery has failed, and the unit cannot keep time for scheduled tests during power outage. |
| 8 | FAST RED & OFF
(0.5s Red, 0.5s Off) |  | NO TEST RESULT.
Clevertest Plus has been enabled but no test completed. |

* The solid green LED indicates the emergency battery is present and charging or fully charged. If the battery is not present or not charging, the green or red LED will display off. For items 4-8 this indication will remain until the fitting receives the required maintenance and passes a subsequent discharge test.