


ACTIVATION AND TESTING OF CLEVERTEST PLUS (CTP) FITTINGS

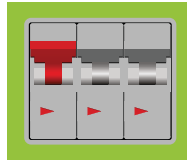
Activating Clevertest Plus fittings

Products supplied with a CTP  symbol need to be activated if you would like to use the automatic test function. "Activation" starts the timer in each fitting to perform automatic monthly 1 minute function tests and a yearly

180 min duration test. Once activated fittings will begin a 28 day test cycle, testing on the same day of the week each time. Choose from one of the methods below to activate fittings.

1. Activate groups of fittings at the circuit breaker

These two sequences will synchronise all fittings on the circuit and 1.2 can also be used at any time synchronisation is required.



USE A STOPWATCH TO ENSURE ACCURATE TIMING



1.1 Activate and initiate a 180 minute duration test - delayed by 36 hours

The offset timing applies to all future automatic tests.

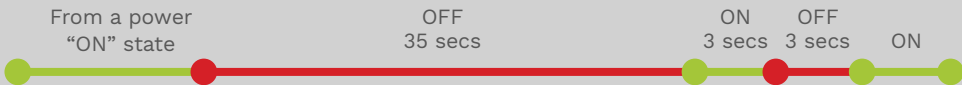
From a power ON state – switch power OFF for 6 seconds, then ON for 3 seconds, then OFF for 3 seconds, then ON for 3 seconds then OFF for 3 seconds and then ON again.



1.2 Activate and set a 1 minute function test in 30 days

From a power ON state – switch power OFF for 35 seconds, then ON for 3 seconds, then OFF for 3 seconds and then back ON. After activation, the status LED will flash for 30mins, and then the CTP test status will revert to "No Test Result." This will set the timer for a 1 minute function test in 1 month's time offset +12 hours from the activation time.

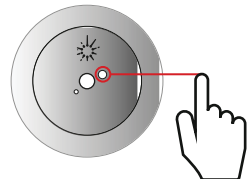
The offset timing applies to all future automatic tests.



2. Activate individual fittings at the fitting

2.1 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 show the CTP green encoded flash. This fast red flash, in between the CTP green encoded 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. This will set the timer for a 1 minute function test in 1 month's time offset +12 hours from the activation time. The offset timing applies to all future automatic tests.

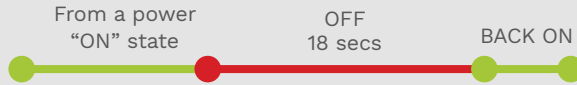
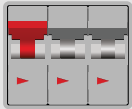


Testing Clevertest Plus fittings

3. Initiating an immediate discharge test

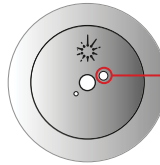
3.1 Testing groups of fittings:

CTP fittings on the same circuit can be tested immediately by switching the circuit breaker OFF for 18 seconds, and then back ON again. Fittings will perform a 3 hour duration test, this action does not alter the schedule for the synchronised Function and Duration Tests.



3.2 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 synchronised Function and Duration Tests.



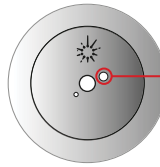
3 times in 5 sec for a 1 min function test. An additional 3 presses (6 times in 10 sec) will initiate a 180 min duration test

4. Delayed 36 hr 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 36 hours later.

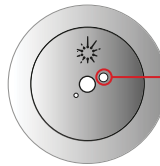
The offset timing applies to all future automatic tests.



10 sec

5. Terminating a discharge test

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



10 sec

6. Gathering test results

The status LED indicator on all CTP fittings will show either a green or red encoded fast flashing sequence or a visual indicator sequence in an alternating 20/10 second cycle.

7. Clevertest Plus LED indications

7.1 CTP Encoded Flash

VERY FAST GREEN FLASH

(20s Green then 10s of status indication as per below list)









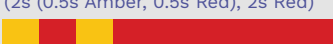

VERY FAST RED FLASH INDICATES A FAILED OR FAULTY FITTING

(20s Red then 10s of status indication as per below list)



7.2 Visual Indicator

Use the table below to visually interpret the test result using the flashing LED sequence. This indication is shown for 10 seconds, followed by 20 sec of fast flashing as per above.

1	SOLID GREEN (not flashing)	 *No charge light if battery disconnected	NORMAL. Fitting is in a normal state awaiting next discharge 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)	 If battery is disconnected, 3s off	RECENTLY PASSED. The fitting has passed a test. This indication remains for 5 days for Duration or 1 day for Function after the test and then changes to green.
4	FAST AMBER & GREEN FLASH - Lamp* (0.5s amber, 0.5s Green)	 If battery is disconnected, 3s off	FAILED LAST TEST. The fitting has been recently tested and has a lamp failure.
5	FAST AMBER & RED FLASH - Control Gear* (0.5s Amber, 0.5s Red)	 If battery is disconnected, 3s off	FAILED LAST TEST. The fitting has been recently tested and has a control gear failure.
6	FAST AMBER & OFF FLASH - Battery* (0.5s Amber, 0.5s Off)	 If battery is disconnected, 3s off	FAILED LAST TEST. The fitting has been recently tested and has a battery failure.
7	FAST AMBER & RED FLASH WITH RED PAUSE (2s (0.5s Amber, 0.5s Red), 2s Red)	 If battery is disconnected, 3s off	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)	 If battery is disconnected, 3s off	NO TEST RESULT. Clevertest Plus has been enabled but no test completed.

* The LED when green displays that the emergency battery is present and charging or fully charged. If the battery is not present or not charging the LED will be off or AMBER. For items 4-8 this indication will remain until it receives the required maintenance and passes a subsequent discharge test.

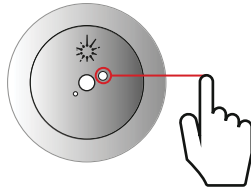
8. Adjacent Fittings

Grouping of Adjacent Fittings

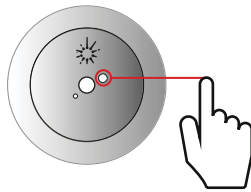
The scheduled test date for a fitting can be offset by 24 hours using the fitting test switch. You may wish to do this after a fitting has been replaced and you want the fitting to test in a different schedule to neighbouring fittings.

*CTP must be activated to use this function

Press and hold test button for 6 seconds until light flashes green. Release and press again once. Each time sequence pressed fitting toggles between adjacent and normal.



1. Hold for 6 sec — release when red LED turns green and then press again



2. Each time sequence pressed fitting toggles between adjacent and normal.

After a successful test button sequence, if a fitting is set as adjacent fitting, the indication LED should show Solid Red colour for 5s.

After a successful test button sequence, if a fitting is set as normal fitting, the indication LED should show OFF for 5s.



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