

Congratulations on purchasing an Ektor SafeTest product. The SafeTest system functionality incorporated within any Ektor products marked with the SafeTest logo is designed to operate in a Self-Test Emergency capacity.

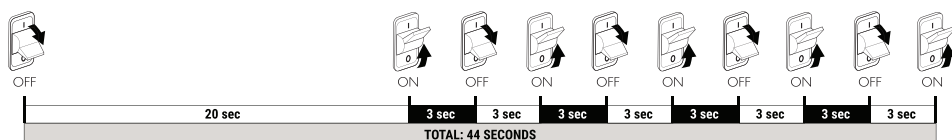
Products with SafeTest functionality must be commissioned to SafeTest mode upon installation. Once activated, the Ektor SafeTest will automatically conduct 6-monthly periodical 90min emergency functionality testing, replacing the need for manual testing and monitoring. Once tests are conducted, results are easily readable via the LED status indicator on each unit.

The product is designed to comply to AS/NZS 2293.1 Section 2.2.1 standards. During the initial installation, the Ektor SafeTest product performs a test lasting 120min (1.33 times the rated duration). Subsequent self-tests will run for 90 minutes each. If the SafeTest function is deactivated and then reactivated, the product will conduct the extended duration test of 120min (1.33 times the rated duration) once more.

ACTIVATING SafeTest

SafeTest mode can be activated by following the procedure below. This method is designed to switch all devices on the same circuit into SafeTest mode simultaneously.

- 1 Ensure power is connected to the unit and that the battery has at least 20% charge.
- 2 Switch the power OFF and ON five times (i.e. 5 power cycles). **Start with a 20-second OFF period**, then leave 3 seconds between each switch. A phone timer can assist with timing accuracy.



- 3 Once the power cycles are complete, the unit will automatically enter SafeTest mode. The LED indicator will flash **amber** in a 3-short-flash pattern for 15 minutes before returning to standard operation (see Status LED chart below). To immediately begin a discharge test, perform only **3 power cycles** instead of 5.
- 4 To deactivate SafeTest mode, perform a **7-cycle** mains switching sequence (refer to the table overleaf).

Note: All units are programmed to conduct a 90-minute duration test every 6 months. This cycle features a random start time to prevent multiple units on the same circuit from testing simultaneously.

STATUS LEDS	Seconds Runtime	1	2	3	4	5	
Function	Led Action	Continuous Looping every 5 seconds					Notes
OK	Solid Green (no flash)	■	■	■	■	■	
Emergency Mode / No Power	All OFF						
Battery Charging	Green on 4s off 1s	■	■	■	■	■	
Duration Test	Amber (2.5s flashrate)	■	■	■	■	■	
Function Test	Green Flash (0.5s flashrate)	■	■	■	■	■	
Duration Test Pass	Amber on 4s Green on 1s	■	■	■	■	■	Loops for 7 Days or until cleared
Lamp Failure	Amber and Green (0.25s flashrate)	■	■	■	■	■	Status will remain until the fitting received the required maintenance and passes a subsequent test
Battery Failure	Amber (0.5s flashrate)	■	■	■	■	■	
System Failure/ Timer Failure / Config Failure/ DT/FT Failure	Amber (0.25s flashrate)	■	■	■	■	■	
No Duration Test Result (untested/ test interrupted)	Slow Green Flash (1s flashrate)	■	■	■	■	■	Loops only when 2 Cycle / 2 Press checking. On first install prior to any Duration Test being executed in full

COMMENCE OR END A DURATION TEST

To commence or end a duration test at any time, simply press and hold the test switch for located near the indicator LED on your SafeTest enabled luminaire for more than 10 sec.

NOTE: Running or cancelling an unscheduled duration test will not alter the predetermined 6-monthly test schedule.



>10 sec

CHECKING TEST RESULTS

SafeTest results for a passed duration test will automatically be displayed for a period of 7 days after a scheduled test via the bi-colour LED indicator on all SafeTest enabled emergency luminaires and exit lights. After this time, the LED indicator will return to normal operation. To display and confirm the result of the last test, simply press the test switch twice for >2 sec each press.

Should a SafeTest enabled emergency luminaire or exit light fail a test, the indicator light will show a fast yellow flash and will not return to a normal state until the issue is rectified and a new duration test completed.

OTHER FUNCTIONALITY

The Ektor SafeTest system incorporates a number of operational functions that can be triggered by either Mains Cycles, or by the Test switch located on your SafeTest product. Included in this are triggering an out-of-schedule duration test (will not change the schedule for the 6-monthly tests), checking last test status and other functionality not covered in this document; for further details please visit www.ektor.com.au

SAFE TEST TOGGLE - AC MAINS CYCLES			Seconds Runtime											
Cycles	Function	Led Action	1	2	3	4	5						Notes	
2 cycle	Check Mode / Check last result	Selftest = Latest Status Standalone = 1 x Amber (1s flashrate)											Loops for 15minutes allowing visual check of Status Safe test will report device LED Status Standalone will single flash amber	
3 cycles	Activate Safe Test and start immediate duration test	3 x Amber Flash (0.25s flashrate)												
5 cycles	Activate Safe Test (no Duration Test)	5 x Amber Flash (0.25s flashrate)											Loops for 15minutes - allowing visual check	
7 cycles	Turn off safe test	7 x Amber Flash (0.25s flashrate)												
9 cycles	Clear test result	9 x Amber Flash (0.25s flashrate)												

TEST SWITCH			Seconds Runtime											
Button Press	Function	Led Action	1	2	3	4	5						Notes	
Hold <4sec	Start Function Test	See LED Status Table											Does not alter the schedule for the six-month synchronised test	
	Emergency test mode													
Hold >10sec	If in Standby- Duration Test	See LED Status Table												
	If in Duration Test - Exit Duration Test	N/A											Loops for 20 seconds allowing visual check of Status Safetest will report device LED Status Standalone will single flash Amber	
2 press(<2 sec)	Check Mode / Check last result	Latest Status = Safetest 1 x Amber = Standalone												
3press (<2 sec)	Clear Led Flash	Attempt to go to normal mode, or Error											See www.ektor.com.au	
1 press (>4 sec)	Enter Settings Mode													