clevertest™

EMERGENCY LIGHTS THAT TEST THEMSELVES!

- **Clevertest™ luminaires automatically test every six months**
- **Discharge Test status is provided via LED indicator**
- **No data cable or central PC required**
- **Complies with the requirements as per AS 2293**

The Clevertest™ range of exit and emergency lighting is designed to provide specifiers, building owners and occupiers with a cost-effective and thorough means of testing emergency and exit luminaires individually and automatically, in accordance with the mandatory requirements of Australian Standard AS/NZS2293.2 section 3 Inspection and Maintenance Procedures for Single Point Systems.

Clevertest™ emergency luminaires are programmed to perform 90 minute discharge tests at 6 month intervals. This allows maintenance personnel to schedule their visits with the confidence that all luminaires have completed their test and only a quick visual inspection of the Status Indicator is required to determine a pass or fail.

Additional features and benefits of Clevertest™ emergency luminaires include:

- All faulty units identified immediately following the completion of each test.
- No data cable network or PC's required.
- Eliminate the extra capital cost of installing a computerised testing system.
- Drastically reduce the on-going cost of attended manual testing.
- Comply with the mandatory test and reporting criteria, in accordance with the relevant sections of the Australian Standard AS2293.

HOW DO CLEVERTEST™ FITTINGS OPERATE?		
	Indicator shows	Indicates luminaire
CONTINUOUS GREEN ILLUMINATION		Indicates the luminaire is in normal state awaiting next discharge test.
SLOW YELLOW & GREEN FLASH (2s ON 2s OFF)		Indicates the luminaire is currently under test.
SLOW YELLOW & GREEN FLASH (4s ON 1s OFF)		Indicates the luminaire was recently tested and remained illuminated for the required duration i.e it has "Passed Test". The indication remains for 5 days after which it reverts to a steady red or "normal state"
FAST YELLOW & GREEN FLASH (0.5s ON 0.5s OFF)		Indicates the luminaire was recently tested and failed to remain illuminated for the required duration. This indication will be maintained until the fault has been rectified and the luminaire passes a subsequent discharge test.

The Clevertest™ option is available for most Clevertronics emergency products.
For ordering information, please consult respective product brochures.

www.clevertronics.com.au

Clevertronics®
Emergency lighting innovation

CLEVERTEST™ FUNCTIONS

IMMEDIATE DISCHARGE TEST

An immediate discharge test, on Clevertest™ emergency luminaires, can be initiated in two ways

Pressing the test switch on an individual luminaire 3 times within a 5 second period - the unit will immediately switch to "test" mode.

Switching the MCB for the circuit off for a period of 20 seconds and then on again.
All emergency luminaires on that circuit will immediately switch to "test" mode.

24 HOUR DELAYED DISCHARGE TEST

A discharge test can be triggered to occur 24 hours after activation. This allows the battery to charge fully before commencement of a test without re-attendance of service personnel.

Press and hold the test switch on an individual luminaire until the yellow LED indicator flashes rapidly and release the test switch (about 10 seconds). The unit will continue charging for a 24 hour period before starting a discharge test.

COMMISSIONING 120 MINUTE TEST

The first test for any Clevertest™ Emergency luminaire will be 120 minutes in duration as per AS2293 requirements. The first test can be initiated by either of the methods mentioned above.

RE-SETTING TEST DATES

Groups of Clevertest™ units can be synchronised to automatically test at the same time by switching the circuit breaker off then on again 3 times in a 5 second period. All the Clevertest™ units on the relevant circuit will immediately perform a discharge test and perform subsequent tests as a synchronised group at six monthly intervals. This will ensure that selected groups of emergency luminaires will test at the same time.

CLEVERTRONICS EMERGENCY LIGHTING TEST OPTIONS

Single-point unit (SPU)	Clevertest™	Zoneworks®
Single point emergency fittings are manually discharge tested via a test switch located at each electrical distribution board. Attendance is required during testing.	Clevertest™ emergency fittings automatically discharge test themselves, at 6 monthly intervals. Manual testing can also be performed from each fitting or at the electrical board. Attendance is not required during testing.	*Zoneworks® emergency fittings have discharge tests programmed by a Central Server. Testing of individual and/or groups of fittings can be either scheduled or done in real time. Attendance is not required during testing.
Test results can only be determined via visual inspection of each emergency light immediately following 90/120 minute test period.	Clevertest™ emergency fittings have a multi-function LED status indicator Test results can be determined via visual inspection of this indicator at any time after a test.	Test results are accessed via menu on the Zoneworks® server. Results of all site tests can be viewed at anytime. Visual inspection of individual fittings is not required.
Tests results are recorded manually in a site log book.	Test results are recorded manually in a site log book.	Test results, as well as detailed battery and lamp status reports, are recorded by the Zoneworks® server. Printed reports are available.

Clevertest™ emergency fittings use an on-board microprocessor controller to automate testing without the need for a central PC or network.
*Zoneworks® Monitored testing system uses Powerline Carrier Technology to communicate to emergency fittings. This leading edge technology delivers significant savings in both installation and maintenance costs on medium to large sites.

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