

Easytest

MOTIVATION

Easytest is designed to operate in conjunction with a wide range of Whitecroft emergency lighting products to provide a unique no nonsense low cost solution to the maintenance problems associated with conventional emergency lighting systems.

APPLICATION

- All fluorescent lamp emergency luminaires
- All self contained emergency luminaires

SPECIFICATION

- Intelligent testing module for self-contained NiCd based emergency lighting luminaires
- Emergency luminaire to comply to International Standards EN55015; EN61000; EN50082-2
- Capable of testing automatically to BS5266, IS3217 and prEN50172
- Fault diagnostics indicating lamp, battery, and charger /inverter module
- 3 hour emergency durations as standard
- 3 year product warranty
- The default system tests luminaires daily, monthly, three monthly and annually in line with current legislation.
- Low cost allowing existing luminaires to be upgraded with self test capability

For larger installations requiring central monitoring, see Lightmaster 20 page 122



TESTING PROCEDURE

The following testing procedure meets the recommendations of the latest European Standards including BS5266.

Daily Test

Non-maintained and maintained luminaire check to ensure that inverter/charger is functioning correctly.

Maintained luminaire check to ensure that the lamp is illuminated under normal mains supply.

Monthly Test

The mains supply is interrupted at the charger/inverter unit.

The lamp is checked for minimum light levels after 90 seconds.

The daily check is executed to ensure correct re-connection.

Three Monthly Test

The mains supply is interrupted at the charger/inverter unit.

The lamp is checked for minimum light levels after 20 minutes for a 1 hour duration luminaire and after 1 hour for a 3 hour duration luminaire.

The daily check is executed to ensure correct re-connection.

Annual Test

The mains supply is interrupted at the charger/inverter unit.

The lamp is checked for full rated battery duration.

The daily check is executed to ensure correct re-connection.

Easytest is compatible with all of these self contained emergency fittings, look for the  symbol.



Sentry p108



Slice p109



Weatherproof p110



Exit p111



Egress
Mini & Maxi p112



Egress Double p113



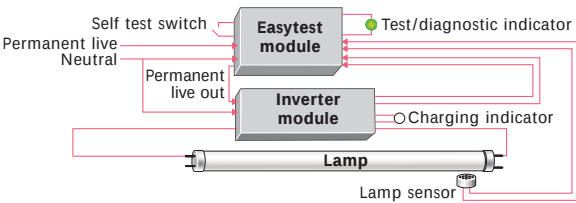
Slot p114



Legend p115

HOW IT WORKS

The design is modular in construction and has electrical independence from the existing charger/inverter charge unit. The unit is designed to be used with existing ballasts, switch start or high frequency units.



FEATURES

MODE	Maintained/ Non-maintained	Maintained/ Non-Maintained
INPUT VOLTAGE	230V+/- 10% 50/60Hz	
RATING	3mA @230 Vac	
ENVIRONMENT	0°C to +30°C temperature range Up to 80% relative humidity	

MONITORING

In event of failure the tri colour LED will flash to indicate the nature of the fault. This will continue to flash until the fault has been remedied. The testing sequence will then continue.

FAILURE of Lamp	FAILURE of Charger/Inverter	FAILURE of Battery
		
LED DISPLAYS flashing green	LED DISPLAYS flashing red	LED DISPLAYS flashing green/red

The unit also has a push button self test function for a real-time test. A permanent green LED indicates self test sequence in operation which will last for approximately 15 seconds.

In addition to the self contained luminaire range illustrated Easytest can be integrated into most Whitecroft Lighting standard fluorescent luminaires. Please contact the technical department for further details and look for the  symbol. (Minimum order value/volume will apply)