

DST™

A unique fully automatic self testing module (3 hour only)

The Digital Self-Test Adapter, DST™, is a unique, fully automatic, independent, self-testing module that complies with the requirements of BS5266 and the forthcoming International Standard for automatic testing devices, IEC62034 and unlike many is suitable for incorporation into virtually any Nickel Cadmium, Nickel Metal Hydride VRLA. Battery powered, self contained emergency lighting luminaire.

The DST™ is flexible and can be specified to be included in virtually all self contained luminaires and conversion kits and is ideally suited to retrofitting.

The DST™ is thorough and carries out the monthly, six monthly and yearly test regime contained within BS 5266 without need for manual intervention. When the unit detects a fault condition it provides both a visual and an audible alarm indication (if not required, the audible alarm can be simply disabled when the DST is commissioned).

DST™ is reliable and even when it has failed its associated luminaire for duration or light output discrepancies, it will still allow the luminaire to operate to the best of its ability in its emergency mode.

Additionally, the DST™ has a non-volatile memory so if the power fails the clock is suspended but the test sequence remains unaltered. When the mains power is restored they simply carry on from the point at which power failed.

On initial power up the DST's intelligence allows it to enter a battery pre-conditioning mode to ensure the batteries are in a suitable condition to supply sufficient power for emergency operation. Testing, initiation and clock resetting are carried out via a single discrete push button.



Performance

DST™ Standard Testing programme conforms to the requirements of BS5266-1

Monthly: 1 minute, functional test

6 Monthly: 1 hour, duration test

Annually: 3 hour, full rated duration test

DST™ LED Status Reports are made via a single tri-colour LED.

Continuous GREEN LED: Mains, battery, charger and previous test correct

Continuous RED LED: Test in progress

Flashing AMBER LED: Test fail alarm *

(With optional sound alarm)

LED off: Mains failure or battery faulty

*If a fault is detected the sounder will enter a cycle where it emits an optional audible alarm, it will then sound every 10 seconds until 4 hours have elapsed and if during this time it has not been reset or the test reinitiated the sound alarm will repeat the alarm cycle. A single beep only will be emitted during manually initiated tests.

Dimensions:

Height 30mm x Length 130mm x Width 50mm,

Fixing centres: 120mm,

Weight: 80 grams.

Ordering Codes

DST – 2 cell	Suitable for all modules using 2 Cell Batteries
DST – 3 cell	Suitable for all modules using 3 Cell Batteries
DST – 4 cell	Suitable for all modules using 4 Cell Batteries
DST – 5 cell	Suitable for all modules using 5 Cell Batteries
DST – 6 cell	Suitable for all modules using 6 Cell Batteries
DST – 8 cell	Suitable for all modules using 8 Cell Batteries
DST – 10 cell	Suitable for all modules using 10 Cell Batteries
DSTT – 12 V	Suitable for Tungsten Lamps using 12V VRLA Batteries
LED-INT	Interface for 4 volt LED circuits from 1 to 5 watts and 6V 10W tungsten lamps.