

Mini Emergency LED Driver

ELEDD Mini XY4



Mini Emergency LED Driver

A non-maintained emergency conversion module, consisting of a battery charger with short circuit protection and a constant current driver for operation of a single high power LED.

The module has reinforced insulation between the supply and battery circuit and incorporates deep discharge protection circuitry to protect the batteries.

Mackwell has a range of LED lamp heads that can be used with this driver, which are available separately or as part of an LED Conversion Kit.

The ELEDD Mini is a flexible solution for a changing market

- Drives a single high power LED
- 3 hour emergency duration
- Small module size
- SmartCharge™ technology
- 275mA and 550mA output versions
- AutoTest, DALI and Potential Free options available
- SELV compliant
- 3 Year Warranty



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ELEDD Mini XY4



Technology

AutoTest® technology provides the user with self-contained automatic testing in compliance to IEC62034

Potential Free Contact option allows basic onsite monitoring of Emergency lighting luminaire status.

DALI Emergency options give further benefits to the user enabling the testing and monitoring of the emergency lighting system on site or via the Internet.

SmartCharge™ Each module is equipped with Mackwell's SmartCharge™ technology that reduces to 10% to maintain the charge. SmartCharge™ reduces energy consumption by 85% and the operating temperature of NiMH batteries by up to 6°C.

Relevant Standards

EN 61347-2-7	Lamp Control Gear
EN 61347-2-13	Lamp Control Gear (LED Modules)
EN 60598-2-22	Luminaire
ICEL 1004	Conversion to Emergency
BS5266-1:2005/ IEC62034	Automatic Testing

Order Codes

Drive Current – 275mA

Battery – 3 Cell NiMH 1.8Ah

XY4

XY4/A - AutoTest

XY4/D1 - DALI

XY4/P - Potential Free

Drive Current – 550mA

Battery – 3 Cell NiMH 2.2Ah

XY4/550

XY4/550/A - AutoTest

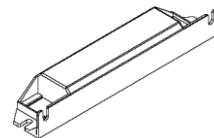
XY4/550/D1 - DALI

XY4/550/P - Potential Free

Specifications

Dimensions

Length	148mm
Width	28mm
Height	21mm
Weight	50g



Fixings

Side Length	136mm
Side Height	12mm
Base Length	136mm
Base from side	12mm
Fixing Slot Width	4.2mm

Supply Voltage: 230Vac ±10% 50/60Hz

Supply Current: 30mA max

Battery Charge Current: 210mA nominal

Output Current: XY4 - 275mA

XY4/550 - 550mA

Max Vout: 4V DC

Ambient Temp: 0°C to +45°C

Max Case Temp: 75°C at Tc point

Conductor Size: 0.2-0.5mm²

Caution

REVERSING BATTERY POLARITY WILL CAUSE PERMANENT DAMAGE TO THE CONTROL GEAR.

Please note that for non-DALI AutoTest® products, the start times for the tests are set automatically to ensure random testing of the units at times of minimum risk. As a consequence tests may occur at any time, and caution should be exercised in situations where this might be inconvenient.

We reserve the right to alter specifications without prior notice.