

Date	Revision
7.1.25	1



Emergency Pack Code: 09143



Read these instructions before installation and retain for future reference. This equipment should be installed by a competent electrician

Important Information

We recommend that luminaires are installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations BS7671:2018 & local building control.

- All tests should be carried out in accordance to EN 50172:2004.
- BELL will not accept responsibility for any claims arising from poor installation.

Important User Advice

- The ambient temperature should not exceed 35°C.
- Ensure that there is adequate free air ventilation around the fitting.
- Always switch off mains supply before installing.



This product may contain substances that can be hazardous to the environment if not disposed of properly. Electrical and electronic equipment should never be disposed of with general household waste but must be separated for its correct treatment and recovery. Where possible recycle your packaging.

BELL Lighting Remote 3 Hour Emergency Pack, Part Code 09143

Selectable Emergency Function **MANUAL-TEST** - **SELF-TEST**

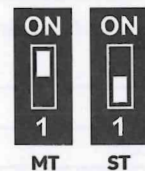
Product Specification

Dimensions	340 x 116 x 44mm
Mains voltage	220 - 240V AC
Mains frequency	50 - 60Hz
Emergency duration	3 hours
Battery type	LiFePO4 6.4V 4Ah
Emergency power output	3.4W
Emergency power voltage	9 to 55V DC
Ambient temperature	5°C to +50°C
Charging time	24 hours
Ingress Protection type	IP20

Safety Information

This product is factory pre-set to operate in **MANUAL-TEST** mode. Selector switch is set to position **ON**
 For **SELF-TEST** operation mode, the selector switch must be set to position **1** before installation
 The selector switch is located inside the product on the main PCB

Refer to the Test Record document for MANUAL-TEST and SELF-TEST functions and testing procedures





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Installation Instructions: Manual with self-test switch

Self-Test

Self-Test Fittings perform a self-commissioning test at first power on. After charging for 24 hours a full duration test (3 hours) is performed. Initial function and duration tests are randomly generated. They are then performed in accordance with standard requirements (every 30 days for function tests and every 52 weeks for duration tests). A single bi-colour indicator LED is fitted in all Self-Test products. This LED is clearly visible for manual inspection. It indicates the module status. The LED shows permanent green or flashing green when conditions are normal and flashing red if a fault condition is present

Function test

A function test is a 2 minutes test that simulates a mains failure and checks the operation of the emergency light source from the battery supply. The local indicator LED slow flashes green whilst the 2 minutes function test is in progress. If there is a failure during a function test the local indicator LED changes to a flashing red.

Duration test

A duration test simulates a mains failure. It also checks the operation of the emergency light source from the battery supply for the rated duration of the module. The local indicator LED fast flashes green whilst the duration test is in progress. If there is a failure during a duration test the local indicator LED either changes to flashing red. The battery is required to be fully charged before a duration test can be started.

The test button of the unit has the following functions:

Test Button	Green LED	Status
Press for approx 1 Second	Off	Emergency mode for 1 second
Press for approx 5 Seconds	Slow flash	Function for 30 seconds
Press for approx 7 Seconds	Fast Flash	3 Hour duration test
Press for approx 10 Seconds		End the duration test

Please refer to following chart below for more complete description/fault indication:

Test Button	Green LED	Status
Green solid	Mains on / No fault	
Green flash	Slow flash	Function for 2 minutes
	Fast flash	3 hour duration test
Red flash	1 Flash cycle	Battery fault
	2 Flash cycle	Lamp fault
	3 Flash cycle	Duration test fault

Conducting additional manual tests of self-test fittings may significantly reduce battery life



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Testing and Commissioning

- Ensure the Load is connected.
- Connect the battery.
- Switch on the Unswitched Supply - Check the Charge LED illuminates.
- Switch on the Maintained Supply - Check the LED illuminates as normal.
- Switch off the Maintained Supply.
- Switch off the Unswitched Supply - Check the Charge LED extinguishes and the load LED illuminates at a reduced output.
- Enter the commissioning date on the Battery Pack. Switch on the Unswitched Supply

Luminaire Ref/Location		In Case of difficulty, contact the Installation Engineers:- Tel: _____								
Full Recharge Time 24 Hours		Duration 3 Hours			Lamp Type - LED					
ROUTINE TEST RECORD										
	Year 1		Year 2		Year 3		Year 4		Year 5	
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
Functional										
Functional										
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Functional										
Functional										
Three Hour										

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