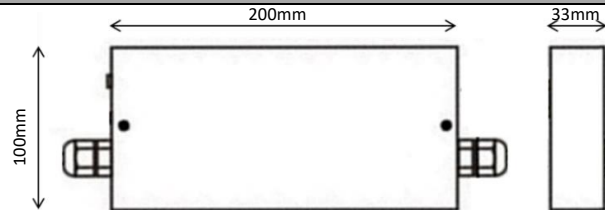


Remote 3 Hour Emergency Pack for CCT3 Panels

Features

- Plug and play conversion kit for 3 hour maintained emergency back-up for square and circular LED CCT3 panels
- Integrated colour changing LED to indicate charging status
- Built in overcharge, over-discharge, and short circuit protection
- Pre-programmed for monthly and annual self-testing
- Test button for manual testing
- High temperature Nickel Cadmium Batteries



Safety Instructions

1. These instructions should be read carefully and retained after installation for future reference and maintenance.
2. Ensure that the mains power is switched off before carrying out installation or maintenance.
3. It is recommended that installation is carried out by a qualified electrician ensuring the installation complies with the current edition of IET wiring regulations - BS 7671.

Environmental Instructions

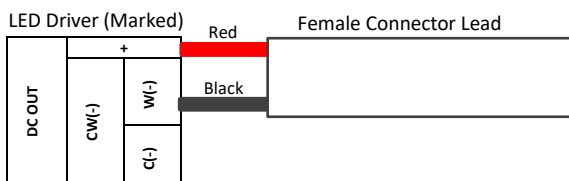
This product may contain substances that can be hazardous to the environment if not disposed of properly. Electrical and electronic equipment should never be disposed of with general household waste but must be separated for its correct treatment and recovery. Where possible recycle your packaging.

Installation Instructions

- Ensure the mains power is isolated
- Remove the LED driver from the CCT3 Panel. Open the orange Plastic casing on the output side and remove male trailing lead (fitted)
- Replace the disconnected male trailing lead with the female connecting lead supplied (image below):



- Observe the markings on the LED driver and terminate as follows:



- Once female lead is fitted to the driver, ensure CCT switch on LED Driver is in the CW position as below, before making connection to male lead of Emergency pack:



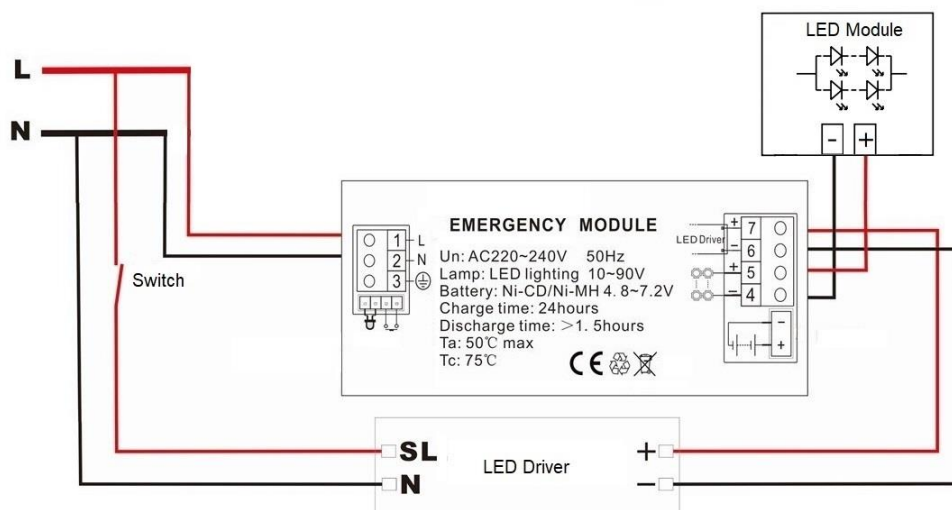
C-CW-W

- Take secondary supplied lead with CCT switch (image below) and make connection between the female lead of the emergency pack and CCT3 panel. To adjust CCT use switch on the lead to set temperature as desired, **NOT** switch on LED Driver:



- Connect LED Panel and EM pack to the power supply, observing the wiring diagram below
- Switch on the unswitched supply and check the charge indicator is on
- Switch on the switched supply and check the LED Load is illuminating
- Switch off unswitched supply and check the LED load has switched to emergency mode with reduced light output
- Switch on the unswitched supply to restore LED load to full brightness

Typical Maintained Emergency Wiring Diagram



Self-Testing						
The emergency pack is preprogrammed for periodic monthly and annual self-testing. Once installed, the emergency pack will automatically run the respective monthly and annual self-test programs.						
Self-Test Mode		Emergency Routine				
Monthly		During the periodic monthly self-test, the LED load will operate in emergency mode at a reduced light output for the duration of 2 minutes. After 2 minutes, the LED load will return to normal operation at full brightness.				
Annual		<p>During the periodic annual self-test, the LED load will operate in emergency mode at a reduced light output for the duration of 3 hours. After 3 hours, the LED Load will return to normal operation at full brightness.</p> <p>Note: If the LED indicator colour turns YELLOW during the annual emergency test, it is possible that:</p> <ul style="list-style-type: none">• Either the battery is not fully charged, or its capacity has depreciated.• The LED load is not connected <p>To troubleshoot, check connections between the emergency pack and the LED load.</p>				
Manual Testing						
During the installation and commissioning of the remote emergency pack, the integrated test button can be used to simulate the periodic monthly and manual self-testing programs. The emergency pack enters different test modes depending on the duration the test button is pressed for. Manual testing does not impact or change the auto-testing modes.						
Manual Test Mode		Testing Procedure				
Monthly		Press and hold the test button for 4-5 seconds and release the test button when the LED indicator colour turns RED. The emergency pack will now simulate the monthly self-test and the LED Load will operate at reduced brightness for 2 minutes. To abort the simulation test, press and release the test button and the LED load will return to normal operation.				
Annual		<p>Press and hold the test button for 7-10 seconds and release the test button when the LED indicator colour turns GREEN. The emergency pack will now simulate the annual self-test and the LED load will operate at reduced brightness for 3 hours. To abort the simulation test, press and release the test button and the LED load will return to normal operation.</p> <p>Note: Manual testing can also be carried out by switching off the unswitched supply with a key-switch.</p>				
Routine Test Record						
	Year 1		Year 2		Year 3	
Monthly Test	Date	Sign:	Date	Sign:	Date	Sign:
Functional test						
Functional test						
Functional test						
Functional test						
Functional test						
Functional test						
Functional test						
Functional test						
Functional test						
Functional test						
Functional test						
Functional test						
Three hour test						

Specification			
Input Voltage:	220-240V 50Hz	Test Switch:	Yes
Output power:	3W	LED Indicators:	Green – Battery fully charged
Emergency Duration:	3 Hours		Red – Battery charging
Battery Charging Time:	24 Hours		Yellow – Battery fault
Emergency Output Voltage:	12-60V DC	Housing Material:	Steel
Battery Type:	6V 2.5Ah Ni-Cd	Dimensions (LxWxH):	200x100x33mm