

MG-HBEM3

Emergency Kit for use with MG-HB200CCT High-Bay



Please read these instructions and retain them for future reference.

Important information:

It is recommended that the emergency kit is installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control.

- This product is designed for connection to a 220/240V/AC mains supply
- We cannot accept responsibility for any claims arising from a poor installation
- Always switch off mains supply before installation
- The fitting is Class I and does require an earth connection
- The MG-HBEM3 has no internal adjustments or serviceable parts and therefore the main cover should never be removed
- For installation in combination with MG-HB200CCT High Bay, the wiring instructions in this manual must be followed or the MG-HBEM3 emergency kit may not function as expected
- The Status LED/Test Button should be positioned in such a way as to be easily visible under all circumstances to ensure quick and convenient functionality check
- Do not mount near gas or electric heaters
- Install the emergency kit in locations and at heights where it is not subject to tampering by unauthorized personnel
- Repairs and maintenance must be carried out by qualified personnel

Emergency Testing and Battery Maintenance:

- Initial battery charge must be for a minimum of 24 hours before testing
- To achieve best performance the MG-HBEM3 should be tested fully by switching into emergency mode regularly in accordance with local testing regulations. Any warranty claim must be accompanied by documentation which records the dates of this maintenance procedure and signed by maintenance personnel
- When first connecting the AC power check that the Green LED indicator is flashing to confirm the battery is being charged. Once the battery is fully charged the Green LED will be lit and stable
- Once fully charged turn the power off to simulate mains supply failure. The Red LED should be on & the high bay will be in emergency mode.

Features:

- Easy wiring: directly connect to 220-240V/AC input of the MG-HB200CCT UFO LED High Bay
- Constant power output: 20W
- Universal input voltage range: 220-240V/AC, 50/60Hz
- IP Rating: IP65
- Suitable for 0/1-10V dimmable UFO LED High Bay ≤ 200W
- Battery protections: over temperature protection, over charge protection, over discharge protection, short circuit protection
- Self-testing monthly / yearly
- UKCA, CE, RoHS approved
- 3 Years warranty

Specifications:

Input Voltage	220-240V/AC, 50/60Hz	Test Switch/Charging Indicator Light	Self-test with test Button
Output Voltage	170V DC	Battery	Li-Ion battery
Output Current	< 460mA	Charging Time	> 24Hours
Input Power	15W Max	Output Power	20W
Emergency Time	180 Minutes	Weight	2.2kg
Warranty	3 Years	Dimensions	142.5x108.2x108.2 mm
Ambient Temp	5°C-50°C		

Note: The MG-HBEM3 Emergency kit is only for use with MG-HB200CCT 200W 1-10V Dimmable & CCT Changeable UFO High Bay

Self-Test Function:

- **Monthly inspection:** The system simulates a power outage every 30 days for 30 seconds. It will quit and return to the mains power state automatically if there is no fault.
- **Annual inspection:** The system simulates a power outage every 360 days for 3 hours or until the battery power runs out. It will quit and return to the mains power state automatically if there is no fault.

Test Button:

- **Quick Test:** Press the test button. The system will enter emergency mode and will detect the presence of the emergency function.

LED Indicator:

- Green Flashing: Charging Mode
- Green Stable: Fully Charged
- Red Stable: Discharging Mode (Emergency)

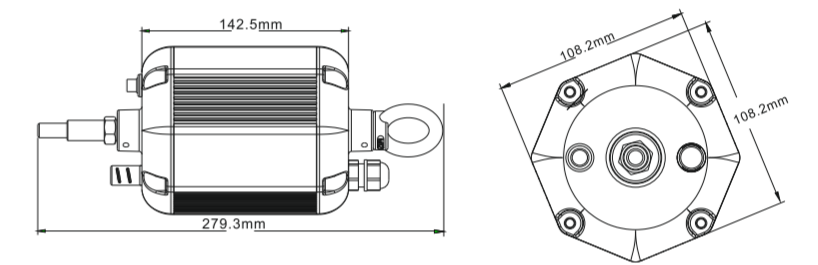
Troubleshooting:

- Most failures experienced are not due to the MG-HBEM3 itself and are caused by improper installation or connection of the unit. Please check that:
- Wires are properly clamped into terminals.
 - Installation is done according to the wiring diagram.
 - Proper polarities are observed.

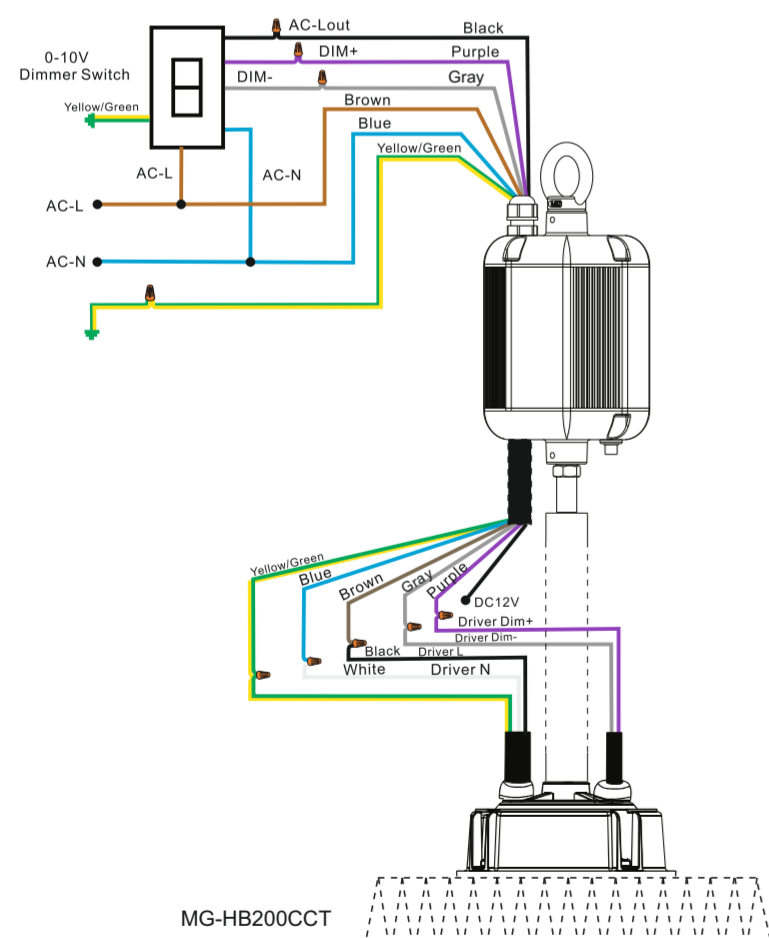
Accessories included:



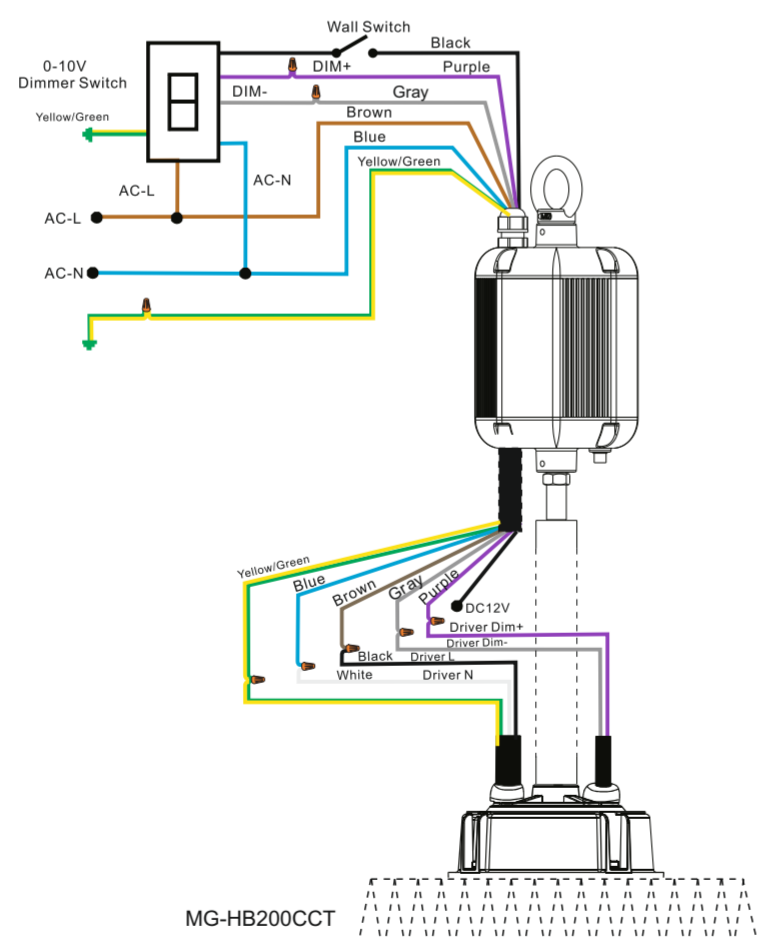
Dimensions:



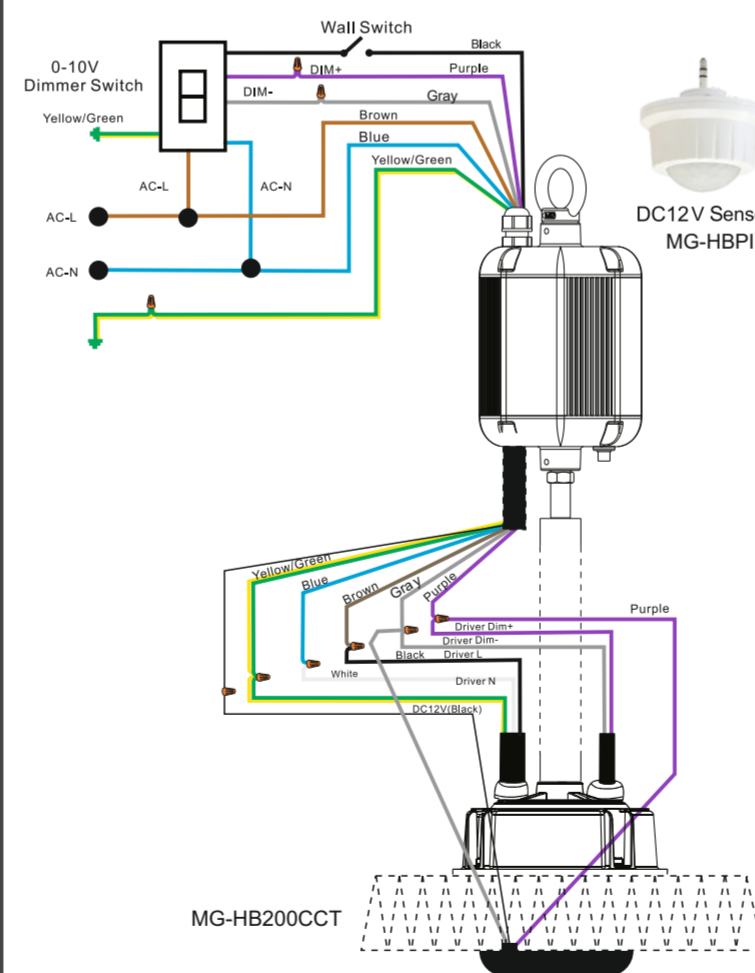
WIRING DIAGRAM - 1-10V Dimmer Switch



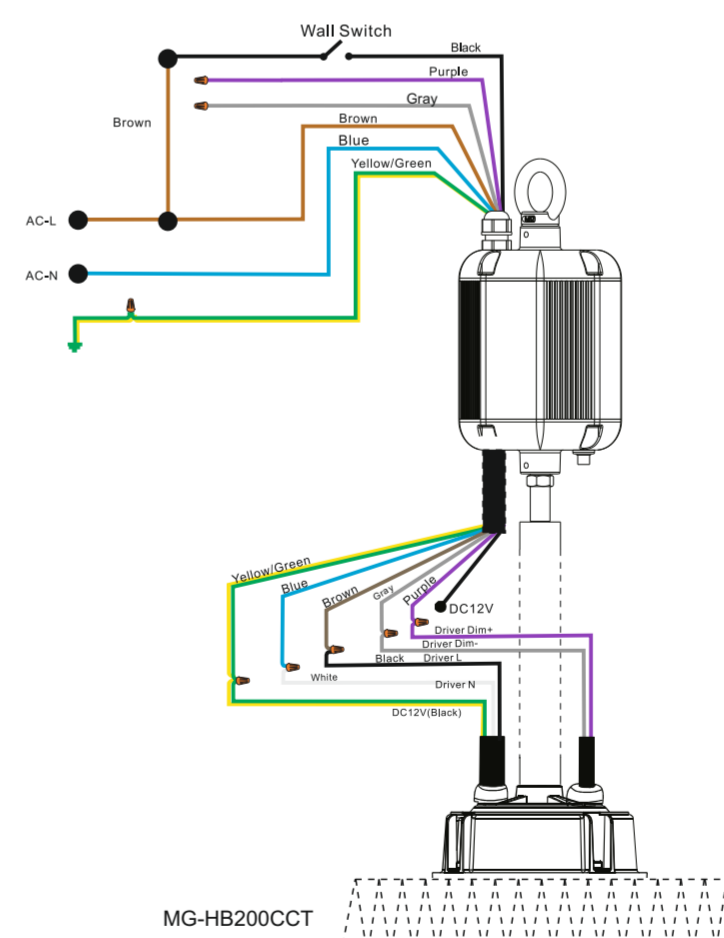
WIRING DIAGRAM - 1-10V Dimmer Switch + Additional Switch



WIRING DIAGRAM LTHBPIR Sensor with/without 1-10V Dimmer Switch



WIRING DIAGRAM - With Wall Switch (without Dimmer)



WIRING DIAGRAM - Without Dimmer & Switch, Maintained

