



# KT-EMRG-LED-10BC-1000-EN3 /DF

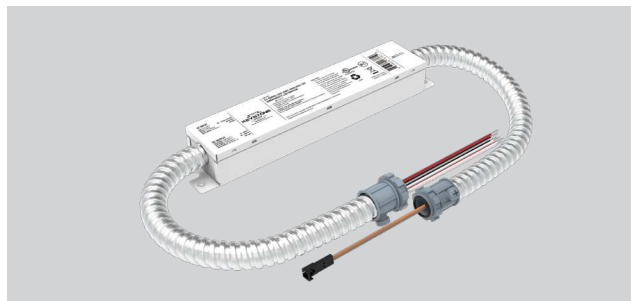
## CONSTANT WATTAGE LED EMERGENCY BACK-UP

### DESCRIPTION

LED Emergency Back-Up Driver |  
Dual Flex Conduit | 10W Output



|                           |                                |
|---------------------------|--------------------------------|
| <b>DRIVER TYPE:</b>       | Constant Wattage LED Emergency |
| <b>MAX. OUTPUT POWER:</b> | 10W                            |
| <b>INPUT VOLTAGE:</b>     | 120 - 277Vac, 50/60Hz          |
| <b>OUTPUT VOLTAGE:</b>    | 15 - 55Vdc                     |
| <b>OUTPUT CURRENT:</b>    | 180 - 680 mA                   |
| <b>SAFETY STANDARD:</b>   | UL 924, CEC T20 Compliant      |
| <b>WARRANTY:</b>          | 5 Years                        |



### ELECTRICAL SPECIFICATIONS

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Input Voltage Range</b>      | 100 - 277Vac                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Frequency</b>                | 50/60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Power Factor</b>             | >0.5 @ 120 - 277 Vac                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Inrush Current</b>           | < 5A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Max input Current</b>        | 80mA @ 120Vac                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Output Voltage Range</b>     | 15 - 55 Vdc Class 2 compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Output Current Range</b>     | 180 - 680 mA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Output Power</b>             | 10W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protection</b>               | <ul style="list-style-type: none"> <li>Over Voltage Protection: Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>Over Current Protection: Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>Short Circuit Protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.</li> <li>Over Temperature Protection: Protection will trigger when driver overheats and auto-recovery when cooled down.</li> </ul> |
| <b>Emergency Operation</b>      | 90 minutes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Battery</b>                  | High-temperature, maintenance-free, LiFePO <sub>4</sub> battery, 6.4Vdc, 4.5Ah                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Recharge Time</b>            | 24 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Battery Charging Current</b> | 300mA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Test Switch Length</b>       | 25 inches with Quick Connector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Auto Battery Connect</b>     | <ul style="list-style-type: none"> <li>Battery Connect: The battery will ship in Sleep Mode. The battery will engage automatically when mains power (120-277Vac) is applied. There are no physical battery connectors.</li> <li>Battery Disconnect/Sleep: To return the battery to Sleep Mode, when disconnected from mains power, press and hold the test switch for 5 seconds. Battery will disengage until mains power is applied. Sleep Mode should be used for transportation and storage.</li> </ul>                                                                                                                                                                           |

### ENVIRONMENTAL SPECIFICATIONS

|                                 |                        |
|---------------------------------|------------------------|
| <b>Operating Temperature</b>    | 0°C/32°F to 60°C/140°F |
| <b>Storage Temperature</b>      | 0°C/32°F to 60°C/140°F |
| <b>Life Rating</b>              | 50,000 Hours           |
| <b>Maximum Case Temperature</b> | 85°C/185°F for battery |

### SAFETY AND EMC COMPLIANCE

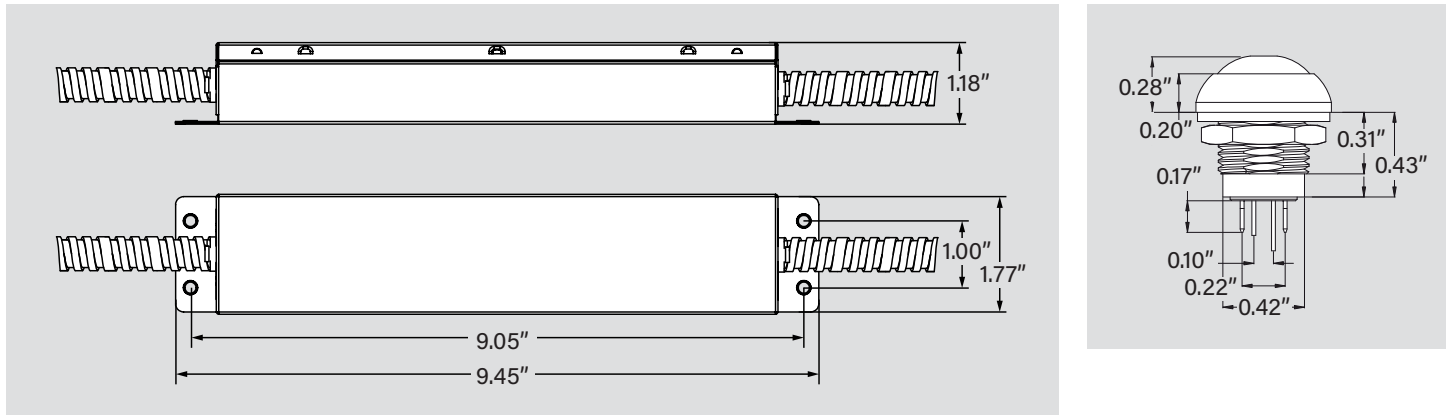
|                           |                                   |
|---------------------------|-----------------------------------|
| <b>UL/cUL</b>             | UL 924                            |
| <b>FCC, 47CFR Part 15</b> | ANSI C63.4:2009 Class B Compliant |



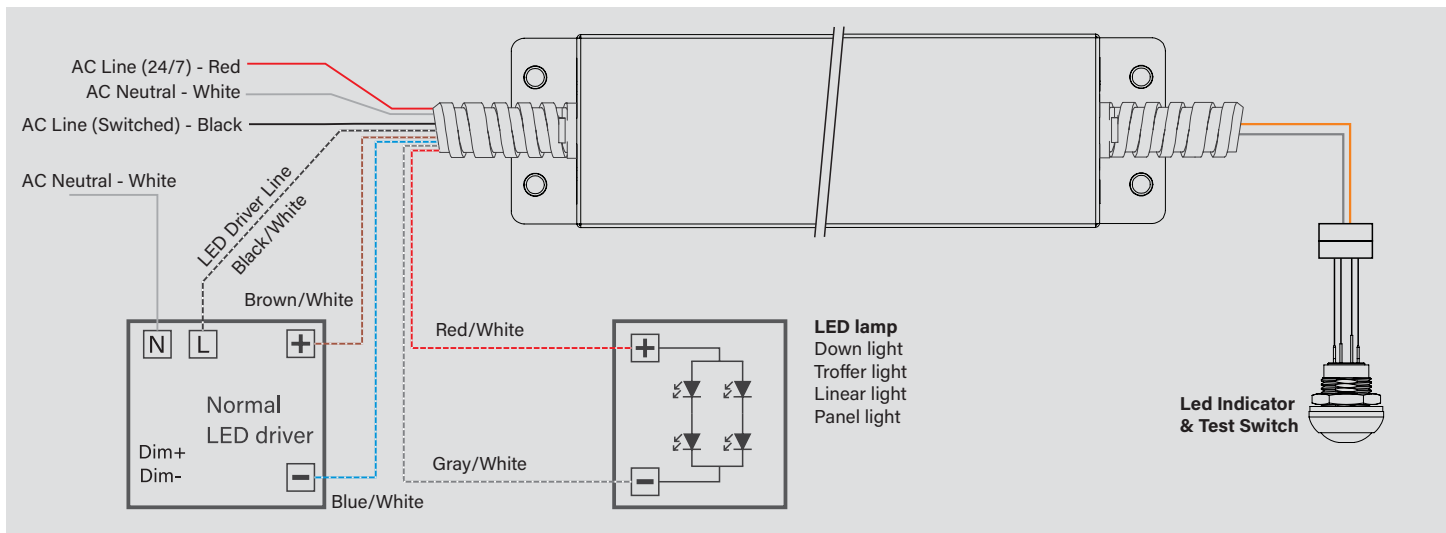
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CONSTANT WATTAGE LED EMERGENCY BACK-UP

## PHYSICAL SPECIFICATIONS



## WIRING SPECIFICATIONS



## ORDERING INFORMATION

| ORDER CODE                   | DESCRIPTION                                                 | PACKAGING STYLE       | PACK QUANTITY | ITEM STATUS |
|------------------------------|-------------------------------------------------------------|-----------------------|---------------|-------------|
| KT-EMRG-LED-10C-1000-EN3 /DF | 1-Piece LED Emergency Back-up with Standard Side Exit Leads | Individually Packaged | 1             | Active      |

## CATALOG NUMBER BREAKDOWN

**KT-EMRG-LED-10BC-1000-EN3 /DF**

- 1 Keystone Technologies
- 2 Emergency Back-up Driver
- 3 LED Driver
- 4 Wattage Family
- 5 Battery Auto Connect
- 6 CEC Compliant
- 7 Nominal Lumen Output
- 8 1-Piece Enclosure
- 9 Dual Flex Conduit