



SINCE 1945
KEYSTONE
LIGHT MADE EASY

SMART//SAFE
LED EMERGENCY BACK-UP

MAY 2018

2-Piece LED Emergency Back-Up and Kits



2017
NAILED
Best Overall
Product

EC&M CATEGORY WINNER
PRODUCT OF THE YEAR 17



2017
NAILED
Best Driver/
Ballast

RoHS Compliant **5 YEAR WARRANTY**

2 OPTIONS AVAILABLE

STANDARD LED EMERGENCY BACK-UP

For LED Fixtures
Includes Driver and Battery

The LED emergency back-up enables emergency lighting solutions to be incorporated into a variety of new and existing LED fixtures. Simply install the emergency back-up solution into the fixture, tying into both the existing AC driver and LED module(s).



LED EMERGENCY BACK-UP KIT

Multiple Fixture Options
Includes Driver, Battery, and LED Module

The LED emergency back-up kit enables emergency lighting solutions to be incorporated into a variety of lighting fixtures including direct-wire LED tube fixtures, fluorescent fixtures and LED fixtures.



STANDARD LED EMERGENCY BACK-UP (INCLUDES EMERGENCY LED DRIVER AND BATTERY)

Catalog Number	INPUT CHARACTERISTICS			OUTPUT CHARACTERISTICS			LED Module Included	Additional Approvals
	Input Voltage	Power Factor	Maximum Current	Maximum Output Power	Rated Output Current	Output Voltage		
KT-EMRG-LED-5-500 /A	120-277Vac	≥0.5	0.051A @ 120V	5W	400mA-100mA	20~54Vdc	No	UL LISTED
KT-EMRG-LED-12-1200 /A	120-277Vac	≥0.5	0.051A @ 120V	12W	1000mA-200mA	20~54Vdc	No	

LED EMERGENCY BACK-UP KITS (INCLUDE EMERGENCY LED DRIVER, BATTERY, AND LED MODULE)

Catalog Number	INPUT CHARACTERISTICS			OUTPUT CHARACTERISTICS			LED Module Included	Additional Approvals
	Input Voltage	Power Factor	Maximum Current	Maximum Output Power	Rated Output Current	Output Voltage		
KT-EMRG-LED-5-500-K1	120-277Vac	≥0.5	0.051A @ 120V	5W	400mA-100mA	12~41Vdc	Yes	UL CLASSIFIED
KT-EMRG-LED-12-1200-K1	120-277Vac	≥0.5	0.051A @ 120V	12W	1000mA-200mA	12~41Vdc	Yes	

1-Piece Enclosed LED Emergency Back-Up



		INPUT CHARACTERISTICS			OUTPUT CHARACTERISTICS			
Catalog Number	Wire Type	Input Voltage	Power Factor	Max. Current	Output Power	Rated Output Current	Output Voltage	LED Module Included
5W								
KT-EMRG-LED-5-500-EN	Standard Side Exit	120-277Vac	≥0.5	0.051A @ 120V	5W	250mA-100mA	20~54Vdc	No
KT-EMRG-LED-5-500-EN /DF	Dual Flex Cable	120-277Vac	≥0.5	0.051A @ 120V	5W	250mA-100mA	20~54Vdc	No
KT-EMRG-LED-5-500-EN /RJSF	Rear Junction, Single Flex	120-277Vac	≥0.5	0.051A @ 120V	5W	250mA-100mA	20~54Vdc	No
12W								
KT-EMRG-LED-12-1200-EN	Standard Side Exit	120-277Vac	≥0.5	0.051A @ 120V	12W	550mA-245mA	20~54Vdc	No
KT-EMRG-LED-12-1200-EN /DF	Dual Flex Cable	120-277Vac	≥0.5	0.051A @ 120V	12W	550mA-245mA	20~54Vdc	No
KT-EMRG-LED-12-1200-EN /RJSF	Rear Junction, Single Flex	120-277Vac	≥0.5	0.051A @ 120V	12W	550mA-245mA	20~54Vdc	No

FEATURES AND BENEFITS

- Adds emergency lighting capability to multiple fixture types
- Remote mounting means no interference with the sleek design of LED architectural fixtures
- 2-in-1 LED test switch and indicator light provides instant reassurance that the system is working
- Evaluated to UL 924 requirements; UL Classified for field installation
- Reliable operation with minimum 90 minute duration

California Compliant 1-Piece Enclosed LED Emergency Back-Up



Catalog Number	Wire Type	INPUT CHARACTERISTICS			OUTPUT CHARACTERISTICS			LED Module Included
		Input Voltage	Power Factor	Max. Current	Output Power	Rated Output Current	Output Voltage	
KT-EMRG-LED-12C-1200-EN	Standard Side Exit	120-277Vac	≥0.5	0.051A @ 120V	12W	550mA-245mA	20~54Vdc	No
KT-EMRG-LED-12C-1200-EN /DF	Dual Flex Cable	120-277Vac	≥0.5	0.051A @ 120V	12W	550mA-245mA	20~54Vdc	No

FEATURES AND BENEFITS

- Complies with CEC T20 efficiency requirements*
- LiFePo battery technology
- Adds emergency lighting capability to multiple fixture types
- Remote mounting means no interference with the sleek design of LED architectural fixtures
- 2-in-1 LED test switch and indicator light provides instant reassurance that the system is working
- Evaluated to UL 924 requirements; UL Classified for field installation
- Reliable operation with minimum 90 minute duration

*certification pending

AC LED Emergency Back-Up



LED EMERGENCY BACK-UP FOR INTEGRATED LED PRODUCTS (Coming Q2 2018)

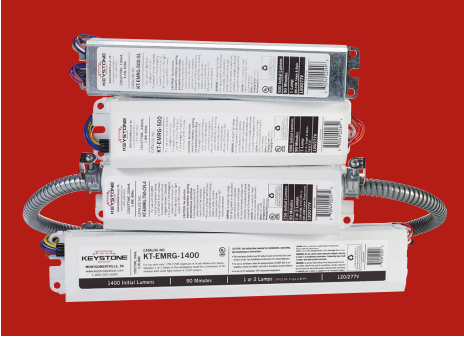
Enables emergency lighting solutions to be incorporated into a variety of lighting fixtures using integrated LED lighting components where only the input wires of the LED load are accessible.

Catalog Number	INPUT CHARACTERISTICS			OUTPUT CHARACTERISTICS		
	Input Voltage	Power Factor	Maximum Current	Maximum Output Power	Rated Output Current	Output Voltage
KT-EMRG-LED-5-500-AC	120-277V	≥0.35	100mA @ 120V	5W	Load Dependant	40~300V

FEATURES AND BENEFITS

- Optimized for Keystone single-ended DirectDrive T8 LED tubes (Contact Keystone for details on functioning with other Type B LED tubes.)
- Optimized for Keystone FutureFit AC LED light engines
- Illuminates entire LED load at reduced output under emergency mode
- One-piece design with metal housing
- 2-in-1 LED test switch and indicator light provides instant reassurance that the system is working
- Evaluated to UL 924 requirements
- Reliable operation with minimum 90 minute duration

Fluorescent Emergency Back-Up



LINEAR FLUORESCENT EMERGENCY BALLASTS

No. of Lamps in Fixture	Catalog Number	Input Voltage	Light Output	Illumination Time	Battery
T8 & T12 Linear					
1-4	KT-EMRG-500	120/277V, 60 Hz	500 Lumens	90 Minutes	NiCd
	KT-EMRG-700	120/277V, 60 Hz	700 Lumens	90 Minutes	NiCd
	KT-EMRG-1400	120/277V, 60 Hz	1,400 Lumens	90 Minutes	NiCd
T8 & T12 Linear Slim Can					
1-4	KT-EMRG-500-SL	120/277V, 60 Hz	500 Lumens	90 Minutes	NiCd
	KT-EMRG-700-SL	120/277V, 60 Hz	700 Lumens	90 Minutes	NiCd
	KT-EMRG-1400-SL	120/277V, 60 Hz	1,400 Lumens	90 Minutes	NiCd
T5 Linear					
1-4	KT-EMRG-500-T5	120/277V, 60 Hz	500 Lumens	90 Minutes	NiCd
	KT-EMRG-800-T5	120/277V, 60 Hz	800 Lumens	90 Minutes	NiCd
	KT-EMRG-1300-T5*	120/277V, 60 Hz	1,300 Lumens	90 Minutes	NiCd

COMPACT FLUORESCENT EMERGENCY BALLASTS

No. of Lamps in Fixture	Catalog Number	Lamp Type	Input Voltage	Light Output	Illumination Time	Battery
1-4	KT-EMRG-650-CFL2	2-Pin CFL	120/277V, 60Hz	650 Lumens	90 Minutes	NiCd
	KT-EMRG-750-CFL4	4-Pin CFL	120/277V, 60Hz	750 Lumens	90 Minutes	NiCd

LIGHT

Lighting is our legacy. It's all we've done since 1945, relentlessly developing energy efficient lighting solutions for the industry's most discerning customers. From incumbent fluorescent lighting systems through the latest LED technologies, Keystone is singularly focused on being your one-stop-shop for quality lighting products.

MADE

With more than 100 Million Keystone ballasts and LED drivers in use today, thousands of installers, architects, and engineers depend on Keystone for lighting products that are manufactured to last. We factory test 100% of every production run, so you know that when you install a Keystone product, it's made to perform.

EASY

What makes us different? We fundamentally believe that we are here to make buying and using lighting products easy. From easy-to-read installation guides to exceptionally fast quote response time and the most convenient fulfillment centers in the industry, our primary goal is to make lighting refreshingly easy.



Contact us today to experience **Light Made Easy**, only by Keystone.



Keystone Technologies • 1390 Welsh Road, North Wales, PA 19454 • Phone (800) 464-2680
Fax (888) 966-0556 • www.keystonetech.com