






ARCATA ELECTRONICS INC.

EMERGENCY LED DRIVER EMJ-0825-010/105-J2



Product features

- 1050mA output Current
- Programmable constant current
- Open Circuit Protection
- Short Circuit Protection
- No PCB
- Sound Rated A
- UL / cUL R/C, Class 2
- FCC Part 15 Class B
- 5 Years Limited Warranty

ELECTRICAL DATA		Markings
Input voltage	90~305VAC 50/60Hz	  
Input current	150mA MAX.	
Recharge power	8W MAX.	
Standby power	0.4~0.8W	
Red Lead	3A,90V	
White/black Lead	100W MAX.	
Output current	100~1050mA	
Output voltage	11~56V	
Output power	25W MAX.	
Output short protection	YES	
Output open protection	YES	
Over power protection	YES(output 100mA when over power)	
Ambient temperature	10°C-50°C	
Tc MAX	70°C	
Time to light	0.3S from detection of emergency event	
Emergency Time	90 min.@25W & 10~50°C	
Recharge time required	48 Hours MAX.	
Battery type	LiFePO4 9.6VDC	
Battery capacity available	6Ah	
Weight		



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WIRING DIAGRAMS		
<p>case must be grounded</p>	Wire	Length (inches)
	N(White)	29.5
	L(Black)	29.5
	SW(White/Black)	29.5
	Test+(Purple)	29.5
	Test-(Brown)	29.5
	LED+(Gray)	32.2
	LED-(White)	32.2
	Driver+(Red)	32.2
	Driver-(Black)	32.2

MECHANICAL DATA		
	Wire	Length (inches)
	H	55.5mm
	W	55mm
	L1	256mm
	L2	251mm

WIRING DIAGRAM (TYP)	WIRING DIAGRAM (EMERGENCY ONLY)

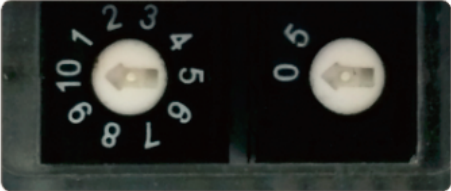
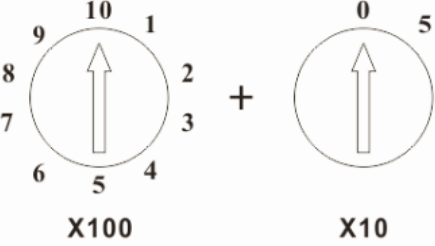


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BATTERY CHART						
Batter Type	Model name	Battery Type	Capacity	Wattage	Battery Voltage	Re-Charging Time
5W	EMJ-0825-010/105-J2-05W	LiFePO4	1000mAH	5W	9.6V	24 Hrs
8W	EMJ-0825-010/105-J2-08W		1500mAH	8W	9.6V	24 Hrs
16W	EMJ-0825-010/105-J2-16W		3000mAH	16W	9.6V	32 Hrs
25W	EMJ-0825-010/105-J2-25W		6000mAH	25W	9.6V	48 Hrs

Wattage: Max load for 90 minutes

Program Switch	Features
 	<p>Programmable Constant Current</p> <ul style="list-style-type: none"> • Pre-set by factory • Adjust it by yourself <p>Adjustable Output Current</p> <ul style="list-style-type: none"> • 10 ranges • 50mA per scale

IMPORTANT SAFE PRACTICES

PLEASE READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS FOR YOUR OWN SAFETY

IMPORTANT: An un-switched AC power source of 100V AC to 277V AC is required.

- This device is designed for use in fixtures listed for dry and damp locations.
- CAUTION: Make sure all electrical connections conform to the National Electrical Code and all



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applicable local regulations.

CAUTION: Do not let power supply cords touch hot surfaces.

CAUTION: Do not mount near gas or electric heaters.

- CAUTION: Battery is rechargeable LiFePO4 type and must be recycled or disposed of properly.
 - Do not use this emergency driver with accessory equipment other than recommended by manufacturer. Failure to follow this may cause an unsafe condition. Servicing should only be performed by qualified service personnel.
 - Do not use this emergency driver for other than intended use. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
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