

EM-15W-HL

TGA Emergency Pack



Specifications (Controller)

Driver Model	EM-15W-HL(A)
Input Rating	AC 100-277V, 50/60 Hz Max. A: 0.15 Max. W: 9
Output Rating	DC42-50V (Max.) Constant Wattage: 15W

Specifications (Battery)

Battery Model	EM-15W-HL(B)
Response Time	≤ 1 second
Charge Time	≥24 hours Quick charging for the first 2 hours, followed by trickle charging. It will stop charging when the driver is fully charged. Once the battery level is below 100%, trickle charge comes in again.
Battery Capacity	INR18650-2000mAh 4S1P Cell Rating: 3.7V 2000mAh Total Rating:14.8V, 2000mAh
Emergency Time	90 mins
Use Environment	Wet location
Ambient Range	-10°C~60°C
Battery Life Expectancy	5 years
Indicator	Discharge: The indicator light will be yellow when the remaining battery is below 20% Charge: The indicator light will be red when the battery charge level is between 20% and 80%. When it hits 80%, the light will turn green.

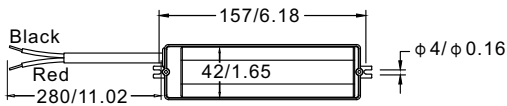


Features

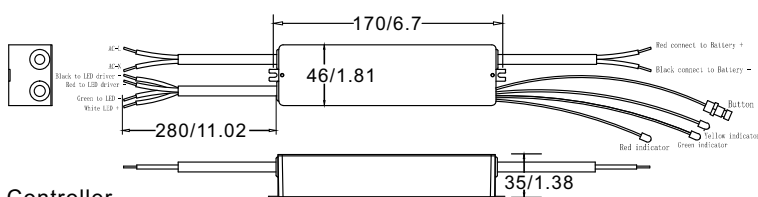
- Constant power solutions for 120 minutes of emergency lighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.
- Microcontroller logic control technology to achieve self-diagnose
- High efficiency up to 90%
- Protection : Short circuit/ over current/ over voltage
- Compatible with all kinds of light fixtures
- Battery and control compartments are stuffed with glue to protect the components inside from high temperature
- Built-in constant current limiting circuit
- High reliability
- Suitable for LED lighting and electronic screen applications
- Compliance to worldwide safety regulation for lighting
- UL, CE, RoHS certificated

Dimensions

Unit: mm/inch



Battery

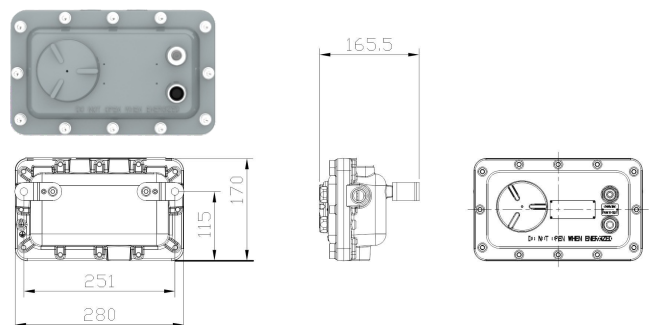


Controller

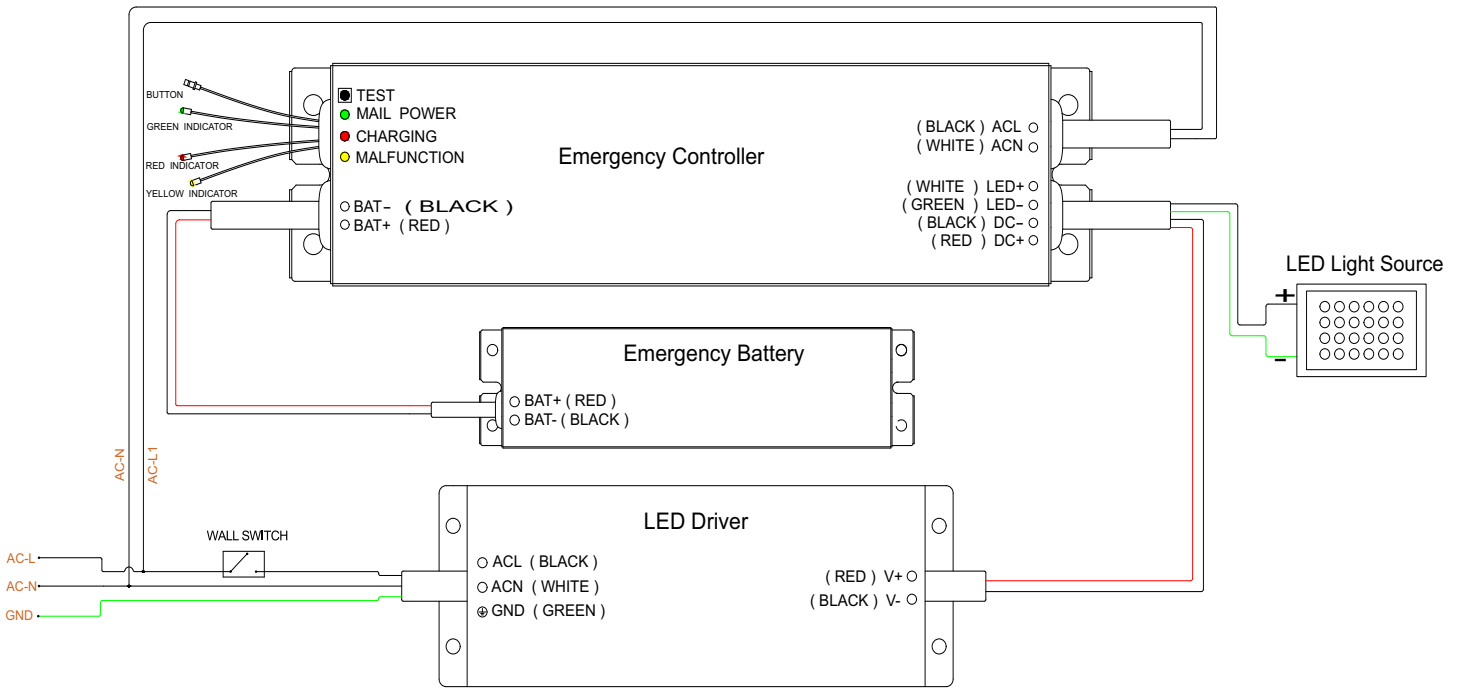
Installation Instruction

Venas EX-proof Light Series	Emergency Pack Components
A,A3,A4,B3,B4,C,C3,D,H,I, STA,R Series Luminaires	TGA(Controller + Battery)
A2,B2,G,O,C2,D2 Series Luminaires	TGA(Controller + Battery) + EX-proof Box (ES03C2)

Dimensions of ES03C2



Wiring Diagram



Warning:

If the power supply has not been used for 6 months, it must be activated by charging for 24 hours and then discharging to below 20% (repeat this process 3 times).



IMPORTANT SAFEGUARDS

PLEASE READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

1. **CAUTION**- This EM-15W-HL provides more than one output source of power. To reduce the risk of electric shock, disconnect both the normal and emergency power sources by turning off the AC branch and disconnecting the battery on/off switch.
2. **CAUTION** - Maintenance on this equipment should be performed only by qualified electricians.
3. **CAUTION** - Do not attempt to service the battery. A sealed, maintenance-free battery is used and cannot be replaced in the field. Replace the entire unit if necessary.
4. **CAUTION** - Use of accessories not recommended by the manufacturer may result in an unsafe condition, void the warranty, and result in failure to meet UL specifications.
5. **CAUTION** - Connect the EM-15W-HL(B) battery pack to the instrument before applying AC power.
6. **CAUTION** - The EM-15W-HL requires a non-switched AC power source of 100-277VAC, 50/60Hz or 100- 347VAC, 50/60Hz. Verify the appropriate electrical ratings on the fixture LED before servicing. Both of the electrical rating will supply power under an output voltage of DC25~230V in emergency mode for at least 90 mins. (See individual units for output specifications.) Both electrical ratings provide power for at least 90 minutes at an output voltage of DC25~230V during emergency operation (see output specifications for each unit).
7. **CAUTION** - The battery should be charged for 24 hours every 6 months during storage.
8. **CAUTION** - Press the test button again to disable emergency operation before shipping.