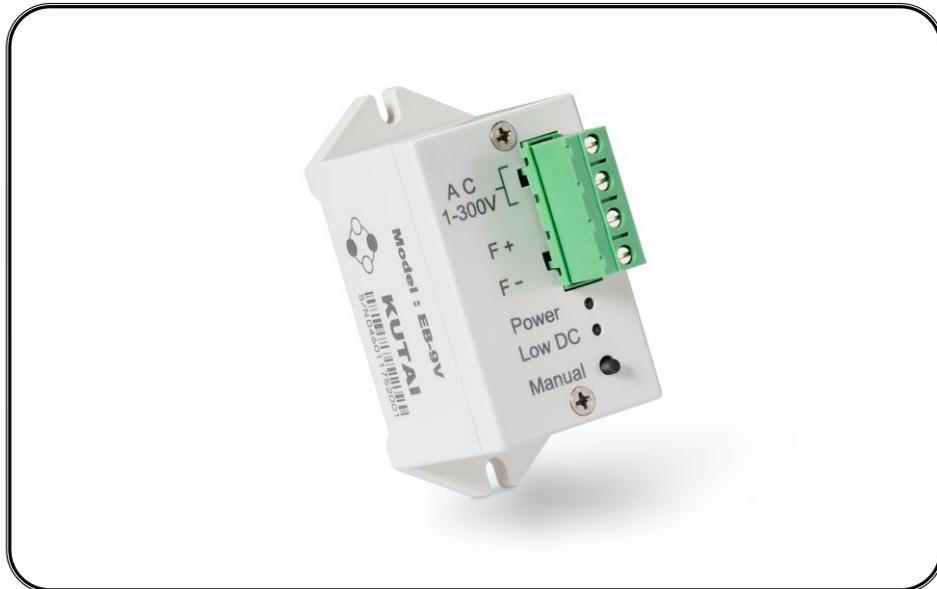


# EB-9V

## **Battery-powered Automatic Flashing Module User Manual**



※Lithium Battery Not Included



**KUTAI ELECTRONICS INDUSTRY CO., LTD.**

TEL : +886-7-8121771

FAX : +886-7-8121775

Website : [www.kutai.com.tw](http://www.kutai.com.tw)

Headquarters : No.3, Ln. 201, Qianfu St., Qianzhen Dist., Kaohsiung City 806037, Taiwan



## SECTION 1 : FEATURES

- No external battery or DC power supply required, excitation power provided by an internal battery.
- Small size, light weight and easy installation saving labor.
- Automatic excitation detection requires no manual operation or settings.
- Very low static power consumption, Up to 3 years between battery replacement in standby mode.
- Excitation function repeats 3 times and stops automatically when voltage is established.
- Battery low voltage indicator reminds user to change battery.
- Up to three repeat flashing attempts and will automatically stop when voltage builds up.
- Excitation failure indicator. Resets automatically when voltage builds up or engine is stopped.
- Battery reverse polarity protection.
- Excitation field F+, F- Reverse Polarity Protection.
- Built in manual forced excitation push button.

## SECTION 2 : SPECIFICATION

### Sensing Voltage Input

Voltage	1 – 300 Vac 1 phase 2 wire
Frequency	50/60 Hz

### Excitation Output

Voltage	9 Vdc
Current	700 mA Max.

### Flashing Output Conditions

When voltage less than 10 Vac at frequency greater than 40 Hz

### Flashing Output Time

Excitation output 5 seconds. Up to 3 attempts at 5 second intervals

### Time Between Battery Change

3 years Max.  
( Use only Ultralife U9VL-J-P lithium battery )

### Lithium Battery Specifications

Model no.	Ultralife U9VL-J-P
Voltage	9 Vdc
Current	Normal discharge 700 mA Max Pulse discharge 1050 mA Max
Capacity	1200 mAh @ 23 °C
Service Life	10 years

### Environment

Operating Temperature	-20 to +60 °C
Storage Temperature	-40 to +60 °C
Relative Humidity	Max. 95%
Vibration	5 Gs @ 60 Hz

### Dimensions

87.0 (L) x 41.5 (W) x 61.7 (H) mm
3.42 (L) x 1.63 (W) x 2.43 (H) inch

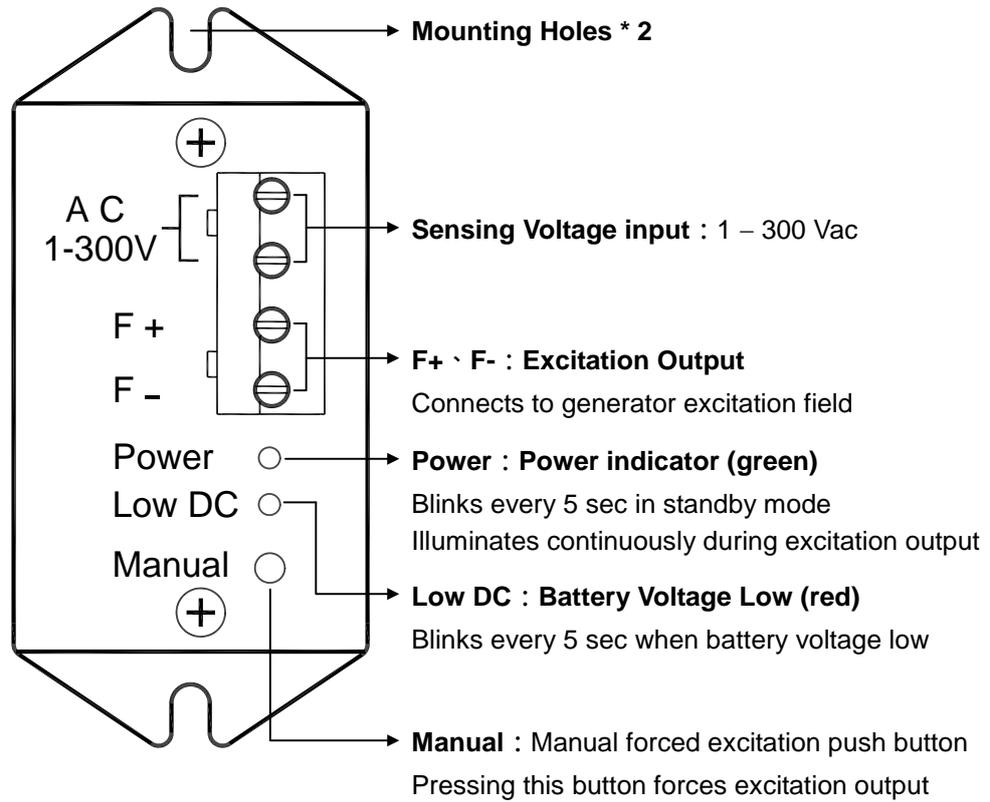
### Weight

85 g +/- 2%
0.19 lb +/- 2%

### ATTENTION

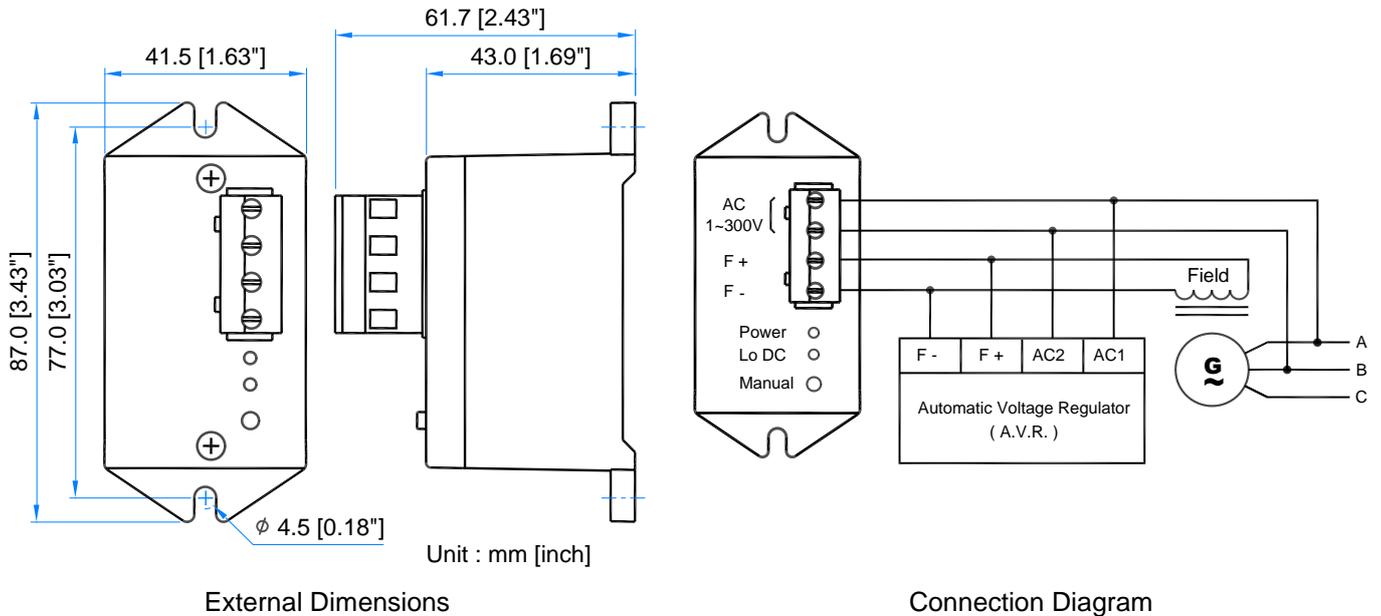
1. Before using a Megger remove all wires connected to the EB-9V to prevent high voltage damage to the unit.
2. Use only ULTRALIFE U9VL-J-P lithium battery.
3. Use of other battery models will reduce the time the unit can operate and the service life of the battery and could lead to failure of voltage build-up.

### SECTION 3 : Explanation of Terminals, Indicators, and Adjustments



※ Both Power and Low DC indicators will blink when excitation fails

### SECTION 4 : Dimensions / Connection Diagram



※ Appearance and specifications of products are subject to change for improvement without prior notice.