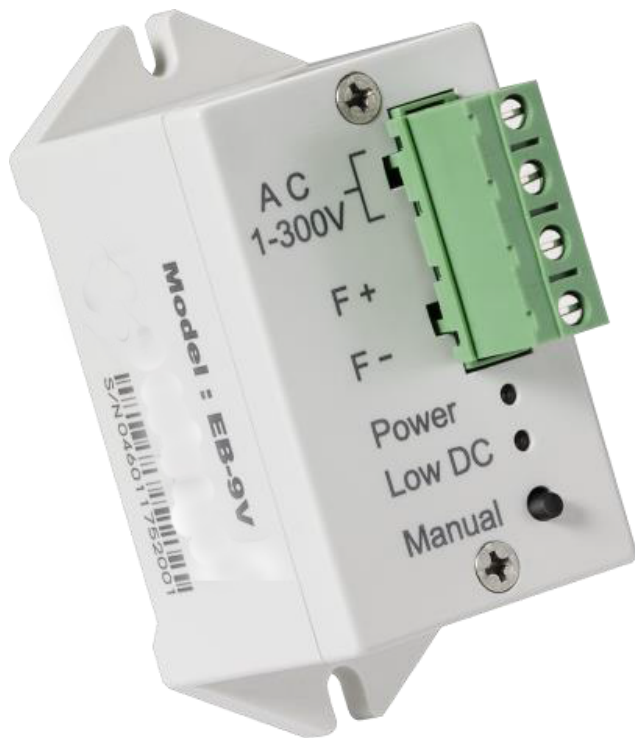


# EB-9V

## Auto Flashing Unit

*Battery-powered Automatic Flashing Module  
User Manual*



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## SECTION 1 : FEATURES

- No external battery or DC power supply required, excitation power provided by an internal battery.
- Small size, light weight, 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 alarm reminds user to change battery.
- Excitation failure warning, Resets automatically with voltage buildup or when engine stopped.
- Battery reverse polarity protection.
- Excitation field F+, F- Reverse Polarity Protection.
- Manual Forced Excitation Function.

## SECTION 2 : SPECIFICATION

### AC Voltage Input

|           |                          |
|-----------|--------------------------|
| Voltage   | 1 – 300 Vac single-phase |
| Frequency | 50/60 Hz                 |

### Excitation Output

|         |             |
|---------|-------------|
| Voltage | 9 Vdc       |
| Power   | 700 mA Max. |

### Automatic Flashing Detection

Automatically Outputs Excitation Power When Voltage < 10 Vac and Frequency > 40 Hz

### Excitation Time

Excitation output 5 seconds, up to three 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<br>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

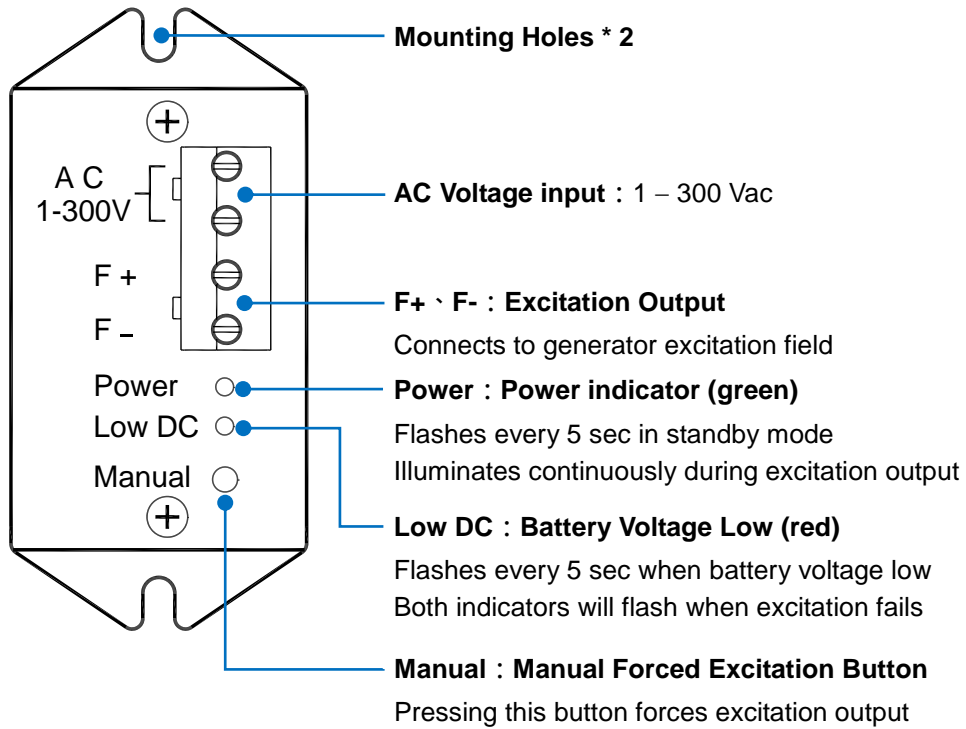
### Weight

85 g +/- 2%

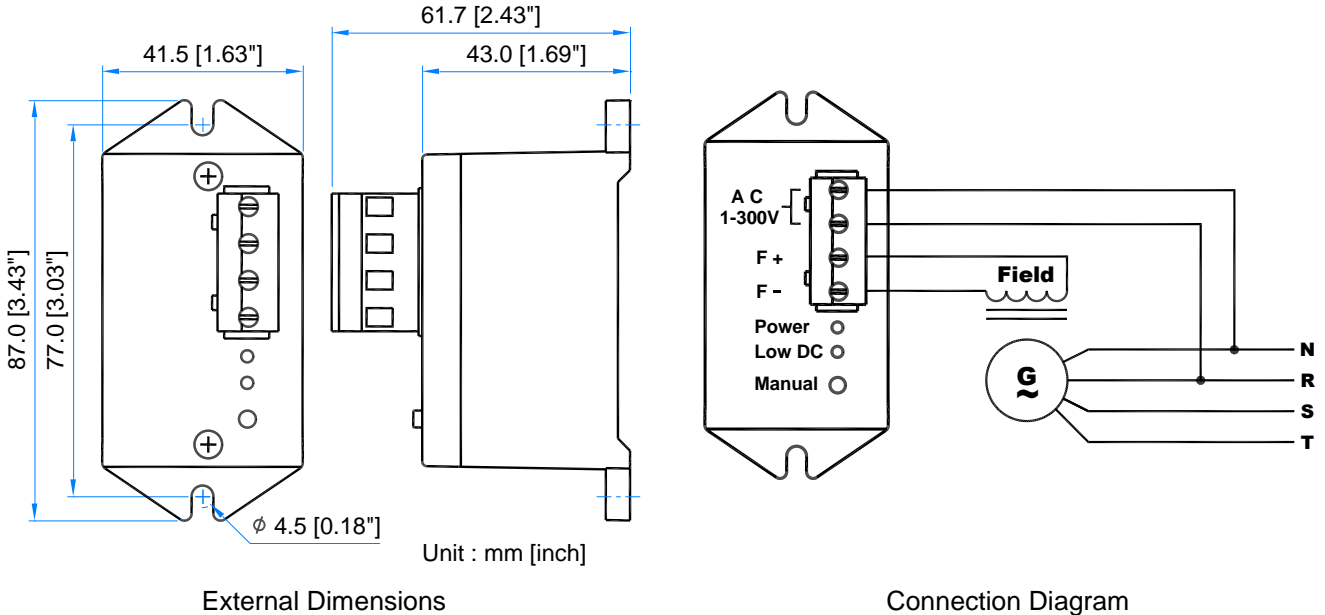
### ATTENTION

1. Before using a Megger or a Withstand Voltage Tester, removes the wires connecting to the EB-9V to prevent high voltage damage to the automatic flashing module.
2. Only the original factory ULTRALIFE U9VL-J-P lithium battery should be used for replacement.
3. Use of a standard alkaline battery will reducing the time the unit can operate and the service life of the battery, could also cause voltage build-up function to fail.

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



### SECTION 4 : Dimensions / Connection Diagram



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