

EB-9V

Battery-powered Automatic Flashing Module User Manual

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 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

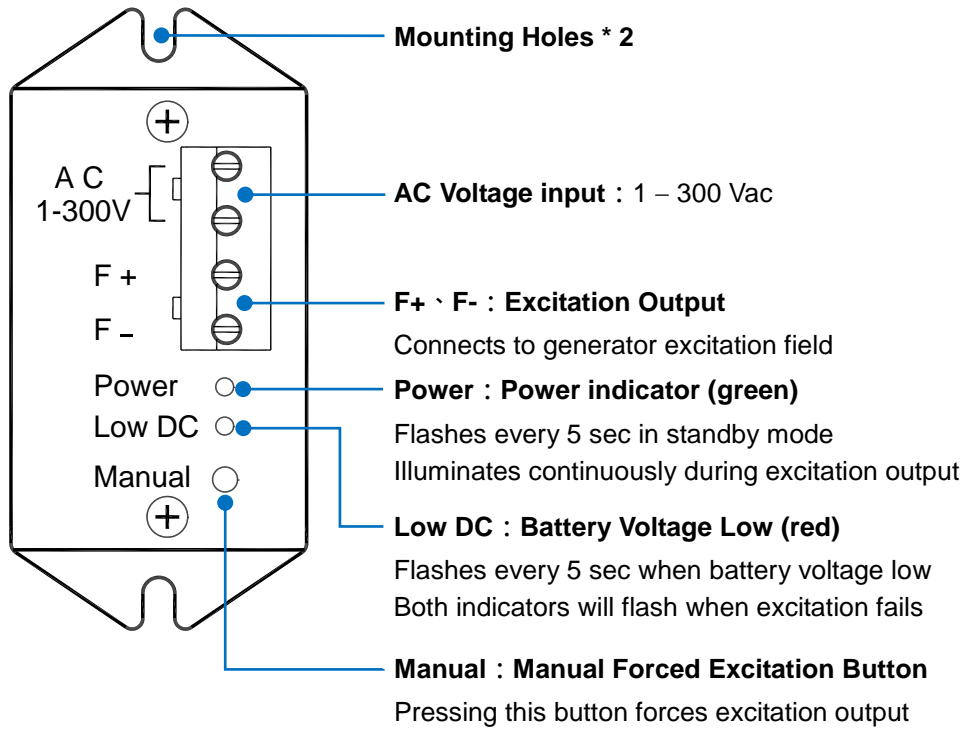
Weight

85 g +/- 2%

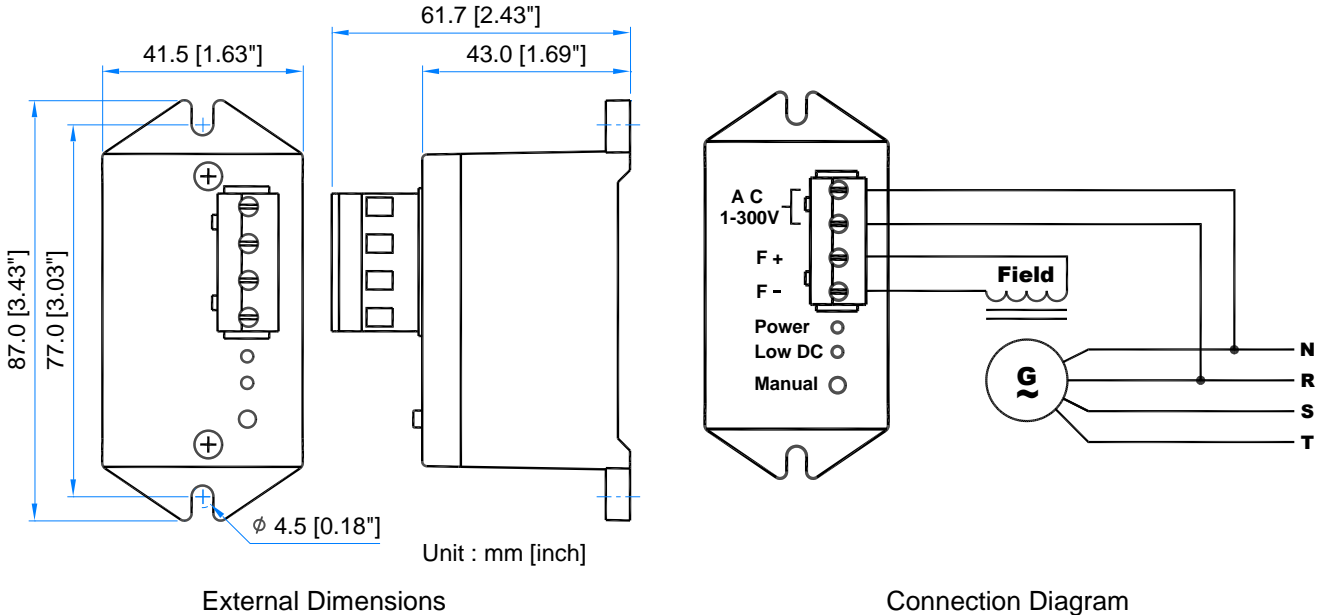
ATTENTION

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.