

# LiteZupp NP series (No Polarity) Flasher

Older style flashers are made with a bi-metallic strip which curls and opens the circuit when heated by a current passing through a filament type bulb. LED Lamps draw much less current so there is not enough heat produced for proper operation with a bi metallic flasher. Therefore an electronic flasher is needed for low current applications using LEDs.

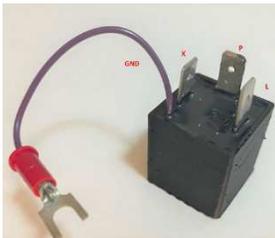
The No Polarity Flasher is the next generation electronic flasher that can operate in either a negative ground or positive ground system.

## Available Models:

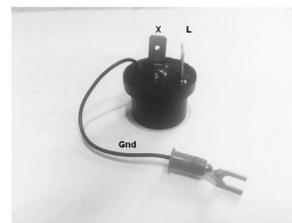
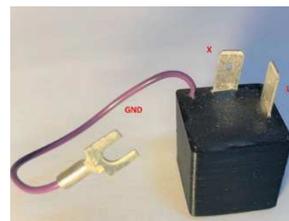
- LFM2NPG: 12Vdc two terminal flasher, positive or negative ground systems
- LFM3NPG: 12Vdc three terminal flasher, positive or negative ground systems
- LXF2NPG: 6Vdc two terminal flasher, positive or negative ground systems
- LXF3NPG: 6Vdc three terminal flasher, positive or negative ground systems

## Features:

- Microprocessor based design
- Can be used in either negative or positive ground systems
- Flashing rate not effected by small changes in voltage
- Supplied in Epoxy encapsulation round case or rectangular case
- Load Rating is 12 Amps
- Can be use with incandescent lamps



3 terminal LFM3NPG 12V / LXF3NPG 6V



2 Terminal LFM2NPG 12V/ LXF2NG 6V

## Connections LFM3NG and LFM2NG – Purple ground wire

- X = 12 Volts DC input (from fuse block)
- P = Dash Indicator (LFM3NPG only)
- L = Output to Turn Signal switch and Lamps
- Ground wire – attach to chassis ground

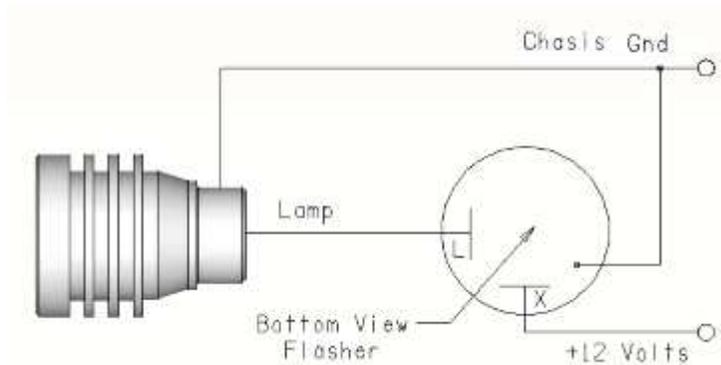
## Connections LXF3NG and LXF2NG - Green ground wire

- X = 6 Volts DC input (from fuse block)
- P = Dash Indicator (LXF3NPG only)
- L = Turn Signal Lamps
- Ground wire – attach to chassis ground

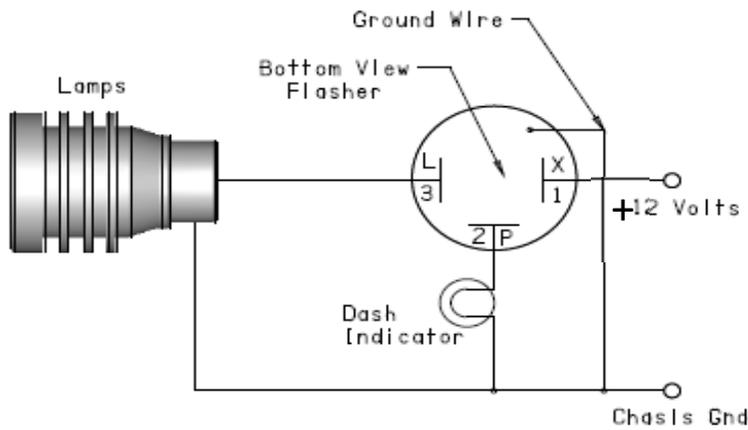
# LiteZupp Flashers – Applications

Below are typical applications using LiteZupp flashers and Litezupp LEDs. Litezupp flashers are rated at 12A and designed to work with our LED Lamps.

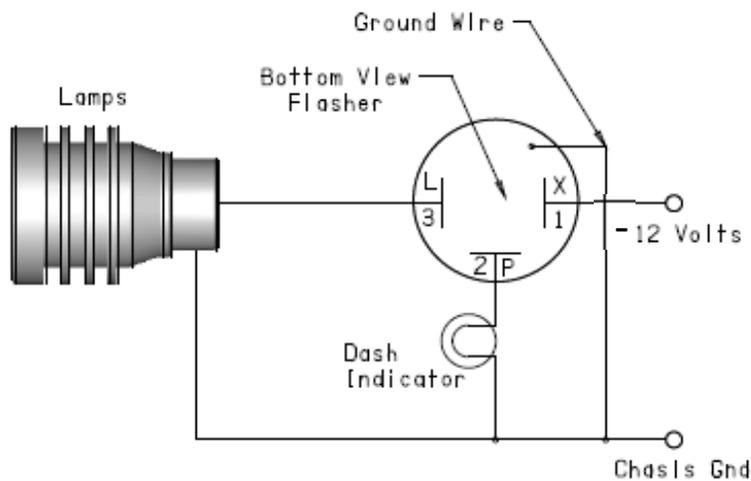
Note: If you are using a Litezupp flasher with other manufacturer’s LEDs you may need to add 1K ohm ½ watt resistors on the left LED flashing circuit and one on the right LED flashing circuit. The resistor should be located at the LED across the flashing contact to ground.



LXFM2NPG (6V)  
LFM 2NPG (12V)  
Neg ground app



LXFM 3NPG (6V)  
LFM 3NPG (12V)  
Neg ground app



LXFM 3NPG (6V)  
LFM 3NPG (12V)  
Pos ground app