

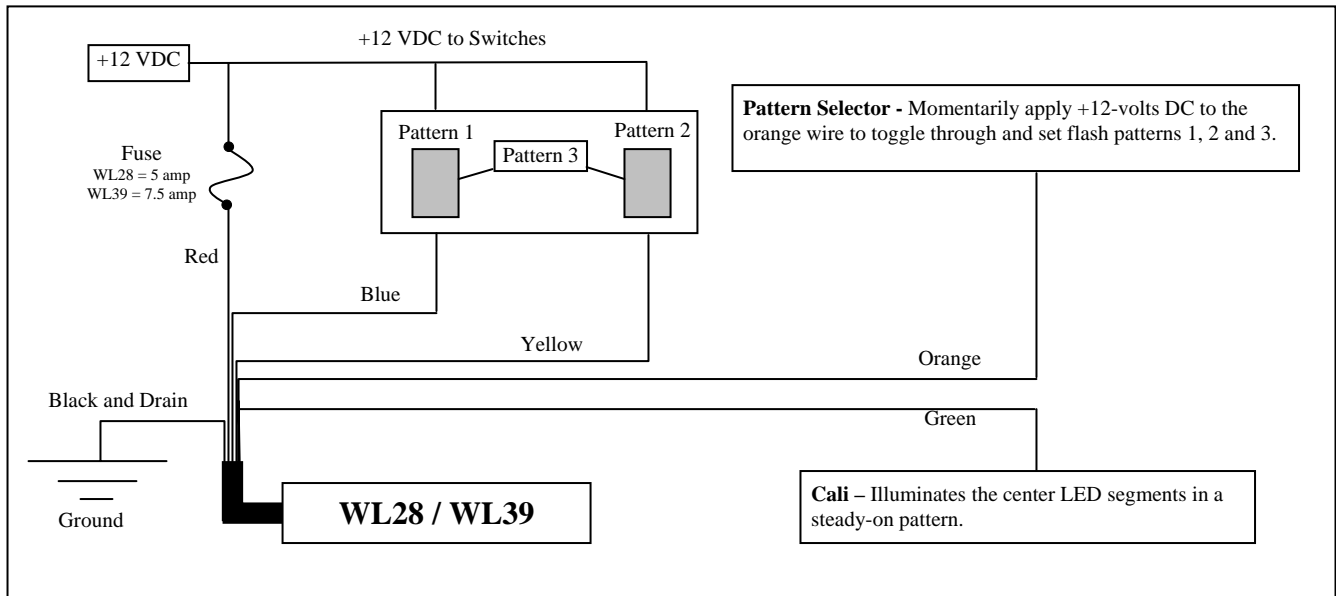


First in LEDs...The solid state warning light leader.™

The newest revision of the WL28/WL39 is designed to provide more effective warning patterns and user configurability. **911EP recommends bench testing this product using a 12-volt DC automotive battery or power supply prior to installation.** Never operate the WL28/WL39 from a battery charger of any kind.

Wires

The WL28/WL39 has seven wires used for main power and pattern activation. All connections should be securely connected to a 12-volt DC electrical system. Use the following schematic as a guide when wiring the WL28/WL39.



Main Power

Red wire - Connect to the vehicle’s +12-volt DC source. **Fuse this connection (WL28 = 5 amp, WL39 = 7.5 amp)** as close to the power source as practical. This can either be connected to the vehicle’s constant +12-volt DC supply or behind the vehicle’s ignition circuit.

Black wire and Drain wire - Connect to the vehicle’s ground. Notice that the drain wire may be encased in black heat-shrink tubing.

Pattern Activation and Selection Wires

The pattern activation wires are activated by a +12 volt DC input and operate as follows:

Blue wire – Pattern # 1. See “Flash Pattern List” for default pattern.

Yellow wire – Pattern # 2. See “Flash Pattern List” for default pattern.

Blue wire + Yellow wire - Pattern # 3. See “Flash Pattern List” for default pattern.

Green wire – Cali – This wire will activate the center LED segments in a steady-on mode. The WL28 illuminates the center 2 LED segments. The WL39 illuminates the center 4 LED segments.

Orange wire – Pattern selector wire – With pattern 1, 2 or 3 activated, momentarily apply +12 volts DC to this wire to toggle through the available flash patterns (See “Flash Pattern List”).

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Flash Pattern List – WL28 & WL39

Flash Pattern Notes:

- Pattern #14, Steady-On, can be used in conjunction with a 12-volt flasher (911EP LED Commander #640153). This will allow two or more WL28/WL39s to be synchronized.
- Adding the **Green** wire (Cali) to any of these patterns will illuminate the center LED segments (WL28=2 segments, WL39=4 segments) steady-on while still flashing the remaining LED segments.
- Patterns #17, #18 and #19 are low-intensity flash patterns. These are designed solely for nighttime operations.
- Pattern #20 cycles through patterns #1-#13, pausing on each for approximately 7 seconds.

Pattern Name and Number	Factory Default
1. Wig-Wag – Pulsar	Blue wire
2. Wig-Wag – Chicago	
3. 64 Flash	Blue + Yellow wires
4. Inside-Out	Yellow wire
5. Wig-Wag – 3.1 Hz	
6. On / Off – 1 Hz	
7. Squab	
8. Chaser	
9. Wig-Wag – Accelerator	
10. Double 64 Flash	
11. Wig-Wag – Double Pop	
12. New 64 Flash	
13. Chaser - Random	
14. Steady-On	
15. New Squab	
16. Chaser – Random -2	
17. Night – Wig-Wag – Double Pop	
18. Night – 64 Flash	
19. Night – Inside-Out	
20. Cycle (Patterns 1-13)	

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