

#### LED Cluster Module-1" LED1054

12V-15VDC

You must use current limiting resistors on the LEDs.

The red LEDs (red wire) 30 mA. Absolute maximum ratings.

The green LEDs (green wire) 60 mA. Absolute maximum ratings.

White wire + voltage.

Green wire 60-70 ohm 2watt resistor to negative.

Red wire 80-100 ohm 2 watt resistor to negative.

The red LEDs are wired in series.

The green LEDs are 2 banks of 5 wired in parallel.

Some resistor experimentation may be done for optimum performance, not to exceed the absolute maximum ratings above.

#### LED Cluster Module-2" LED1055

22V-24VDC

You must use current limiting resistors on the LEDs.

The red LEDs (red wire) 60 mA. Absolute maximum ratings.

The green LEDs (green wire) 60 mA. Absolute maximum ratings.

White wire + voltage.

Green wire 150 ohm 2watt resistor to negative.

Red wire 180 ohm 2 watt resistor to negative.

Some resistor experimentation may be done for optimum performance, not to exceed the absolute maximum ratings above.