

# Multi Circuit 24 to 12 Volt DC Reducer

For Incandescent & LED Lighting Only

Operating Instructions

Please read these instructions before use



This new and improved 4 circuit reducer is designed specifically for applications with 12V incandescent and LED lighting for caravans, box trailers and other automotive vehicles with a 24V supply and features:

- Reduced dimensions – 162mm X 71mm X 32mm.
- Higher efficiency and lower operating temperature.
- LED circuit indication for easier wiring.
- Fully encapsulated for environmental and vibration proofing.
- Overload and short circuit protection.
- Up to 120W on TAIL and L & R FLASH circuits and 90W on BRAKE circuit.

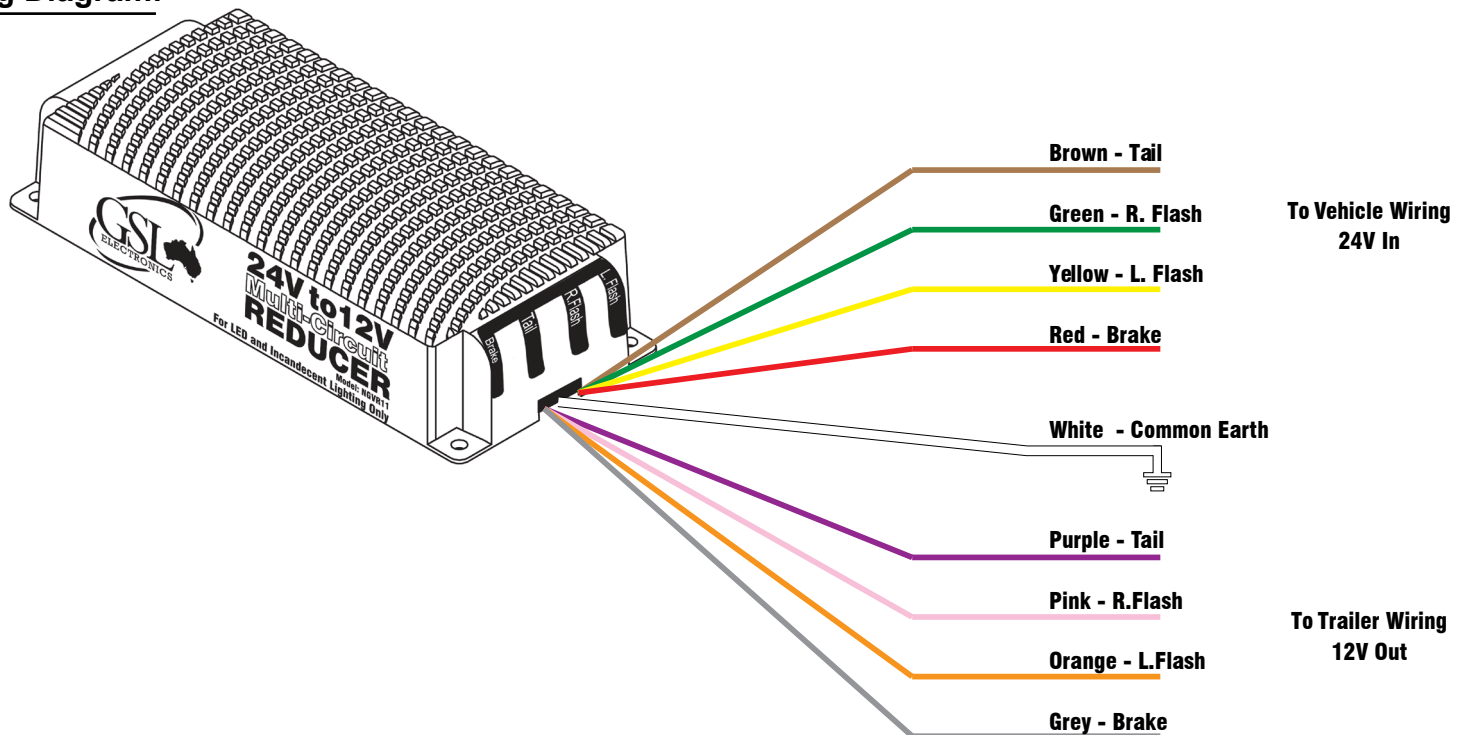
### Please Choose a Mounting place that:

1. Has good ventilation where air can pass freely around the unit.
2. Away from heat sources such as exhaust system or hazards such as fuel lines
3. Fix to a metal surface

### Connection:

1. Install using the wiring code on the reducer.
2. Limit the length of cable. If the cable exceeds 6m, voltage loss may occur.
3. The unit can only be tested with a light globe or oscilloscope and with a minimum load of 0.1A.
4. Do not connect circuits in parallel.
5. The WHITE wire must be connected to GROUND.

### Wiring Diagram:



**Warranty Conditions:** Our products come with guarantees that cannot be excluded under the Australian Consumer Law. The customer is entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. The customer is also entitled to have the products repaired or replaced if the products fail to be of acceptable quality and the failure does not amount to a major failure. GSL Electronics (GSL) warrants that its products will, under normal use and service, be free of defects in material and workmanship for a period of two (2) years from the date of the original purchase by the customer as marked on the customer's original invoice. Please refer to our website for full warranty and return information which can be found at <http://www.gsl.com.au/faq.html>