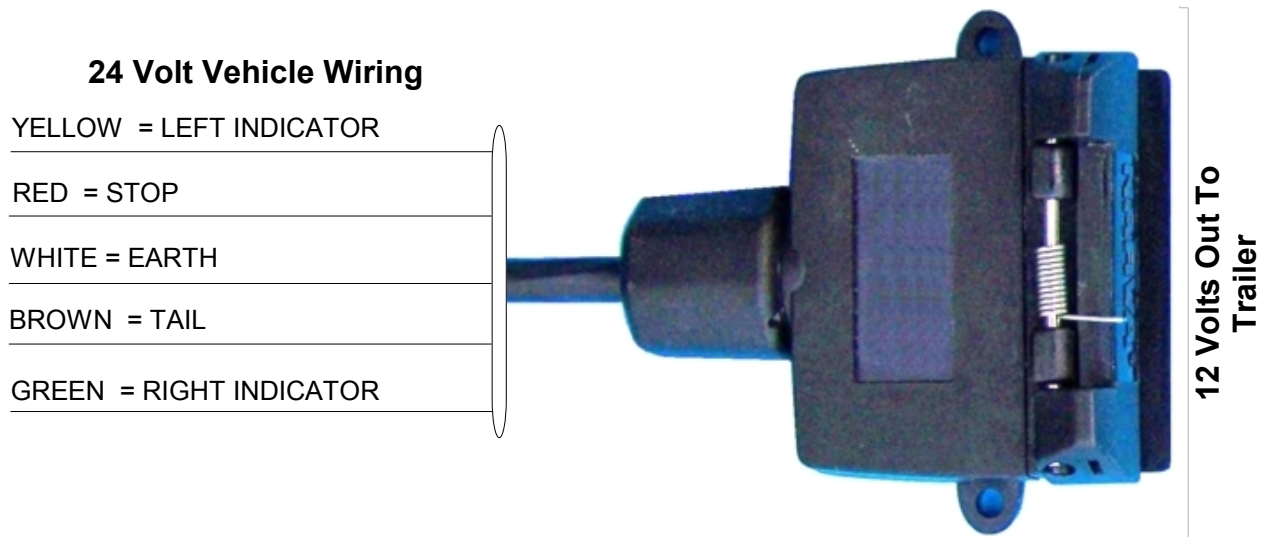




## TRAILER LIGHTING VOLTAGE CONTROL

Part No: **LR24-12TPV**



*The LR24-12TPV provides +12 Volts to the trailer lighting circuits from a 24 Volt vehicle connection.*

### **LR24-12TPV Features**

**Protection:**

- Allows a 12 Volt trailer to be connected to a 24 volt vehicle without changing bulbs.
- Enables the vehicle lighting to continue operating if there is a short or open circuit in the trailer wiring without blowing fuses.
- Automatically recovers from a short circuit in the trailer wiring.
- Fully encapsulated

### **Installation Notes**

The LR24-12TPV is connected into the vehicle lighting circuits as per the above diagram.  
The LR24-12TPV uses pulse width modulation to reduce the 24 Volt supply to 12 Volts. This is intended only for lighting circuits and should not be used for any other 12 Volt requirements.

Maximum loading for the Stop circuit is 42 Watts.  
Maximum loading for the Tail and Indicator circuits is 21 Watts each.



## TRAILER LIGHTING VOLTAGE CONTROL

### Part No: **LR24-12TPT**

#### 12 Volt Trailer Wiring

YELLOW = LEFT INDICATOR

RED = STOP

WHITE = EARTH

BROWN = TAIL

GREEN = RIGHT INDICATOR



To 12 or 24 Volt  
Vehicle Connector

*The LR24-12TPT provides +12 Volts to the trailer lighting circuits from a 24 or 12 Volt vehicle connection. This enables a 12 Volt trailer to be towed by either a 24 or 12 Volt vehicle.*

#### **LR24-12TPT Features**

##### **Protection:**

- Allows a 12 Volt trailer to be connected to a 24 volt vehicle without changing bulbs.
- Enables the vehicle lighting to continue operating if there is a short or open circuit in the trailer wiring without blowing fuses.
- Automatically recovers from a short circuit in the trailer wiring.
- Fully encapsulated

#### **Installation Notes**

The LR24-12TPT is connected into the vehicle lighting circuits as per the above diagram. The LR24-12TPT uses pulse width modulation to reduce the 24 Volt supply to 12 Volts. This is intended only for lighting circuits and should not be used for any other 12 Volt requirements.

Maximum loading for the Stop circuit is 42 Watts.

Maximum loading for the Tail and Indicator circuits is 21 Watts each.