

## TRAILER LIGHTING REDUCERS

### Compact 24V-12V multi-circuit trailer lighting reducers.

#### FUNCTION

The Redarc multi circuit voltage reducer (or converter) range, operate from nominal 24V DC electrical system and provide four **12V RMS** output circuits for trailer lighting only. The "REV" suffix model has an additional reversing lamp circuit.

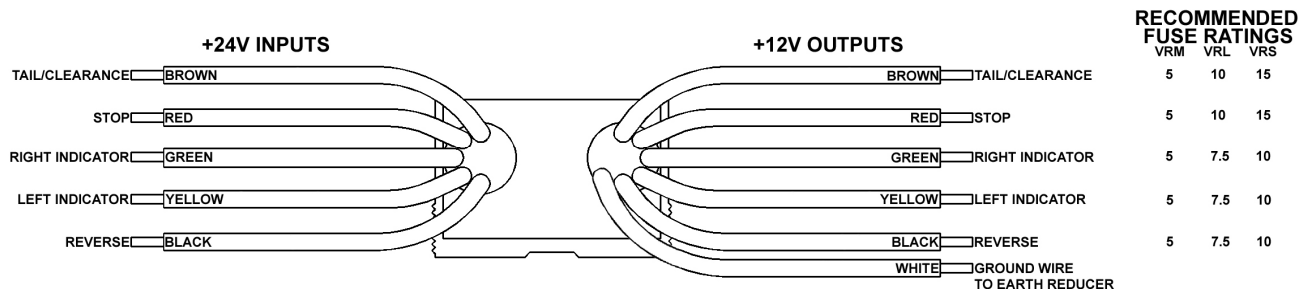
#### FEATURES

- Fully sealed electronics.
- Radio interference nil.
- Fast acting overload sensor.
- Draws no current when it is not actually supplying power to a 12V load.
- Constructed using latest surface mount technology.
- LED compatible.

#### INSTALLATION

The converter should be mounted in a cool and protected location. The heatsink may be either earthed or insulated from chassis without affecting operation.

#### CONNECTIONS



Black wire for Reverse circuit only available in REV models, E.g. "VRLREV"

**NOTE:** Fuses are recommended, but are not supplied with the unit.

#### SPECIFICATIONS

MODEL	VRM	VRL	VRS
<b>Supply range</b>	20V-33VDC	20V-33VDC	20V-33VDC
<b>Maximum Load Current (Total)</b>	10A	20A	30A
<b>Brake Light Circuit</b>	40W	80W	120W
<b>Tail/Clearance Circuit</b>	40W	80W	120W
<b>Right Indicator Circuit</b>	20W	40W	60W
<b>Left Indicator Circuit</b>	20W	40W	60W
<b>Reverse Circuit (REV Only)</b>	20W	40W	60W
<b>Ambient Temp. Range</b>	-10°C-+50°C	-10°C-+50°C	-10°C-+50°C
<b>Dimensions</b>	44x30x210mm	44x30x210mm	44x30x210mm
<b>Weight</b>	500g	500g	500g
<b>Warranty</b>	2 years	2 years	2 years

#### PRECAUTIONS

Avoid direct steam cleaning of the converter. Disconnect converter when jump starting or using an external battery charger. The output voltage is alternating, not DC, and is pre-set during manufacture. Normal DC averaging meters will give inaccurate readings (~6.5V), and a true RMS-reading voltmeter is required for correct measurement of output voltage.

**FREE TECHNICAL ASSISTANCE** contact Redarc Electronics

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**Specifications are subject to change without notification.**