

## Redarc solve LED indicator failure detection problem

A large part of Redarc's success lies in our passionate focus on innovative product design and customer value.

As a result of close relationships with our customers, we have identified a need to develop a microprocessor controlled solid state indicator flasher for detecting LED module failures, enabling compliance to ADR13. This product is designed for use in conjunction with an indicator switch in a 12V automotive system to provide an output to the vehicle turn direction indicators. It also provides a warning of indicator lamp failure in the vehicle.



The solid state indicator flasher has a number of attractive features:

- Solid state switching with no moving contacts to wear out
- Operates the indicators at approximately 90 flashes per minute



### Specifications

Supply range	9-16.5V
Maximum load current	10A
Warning method	Twice flash rate
Dimensions	30mm W x 30mm D x 42mm H
Programmable configurations	8
Warranty	2 years

- Suitable for conventional filament lamps, LED lamps or a combination of both
- Incorporates lamp failure indication - when an indicator lamp failure in the vehicle is detected, the flash rate increases to twice the normal rate, to warn the operator
- Learn mode offering a simple method to set the "normal" lamp load during installation, allowing the same product to be used for a number of different LED/conventional lamp configurations
- Suitable for loads up to a maximum current of 10A - it can drive up to three 21W filament lamps per side in hazard-flasher mode
- Protection against indicator short circuits
- Sealed for prevention of moisture and dust resulting in increased reliability

**For more information please contact our friendly technical staff on 08 8322 4848 or visit [www.redarc.com.au](http://www.redarc.com.au).**

### PRODUCT UPDATE

## SmartStart battery isolator now with protector caps

SmartStart continues to lead the way... only this time with added features.

Our philosophy is to ensure we listen to our customers when it comes to new product ideas and existing product improvement and that's exactly the case with SmartStart and the addition of protector caps to every unit.

The caps are designed to alleviate an accidental short to ground, for instance if a spanner is placed or should fall across the contacts.



Winter 08

Visit [www.redarc.com.au](http://www.redarc.com.au) for tech-tips and up-to-date info

**REDARC**

THE POWER CONVERSION SPECIALISTS

## Lawty Auto Electrics and Air

Lawty Auto Electrical and Air was established in 1996 giving high priority to mobile service and breakdowns.

The business is owned and operated by Paul Richards, ably supported by Gavin Layton as Operations Manager.

Lawtys offer expert service and advice in air conditioning, heavy vehicles and earthmoving equipment, along with all other auto electrical aspects.

They have a dedicated team of ten staff working from a fully-equipped workshop and a fleet of service vehicles.

Their staff take great pride in getting the job done right the first time.

In their field of expertise they have a very large client base with Redarc products fitted to their machinery.



Gavin Layton commented that "we choose to supply and fit Redarc products because of their extensive range and large variety for various applications."

"The service and warranty replacement that Redarc offers is second to none... knowing we are fitting a quality, well-proven product is very reassuring. Redarc also offer excellent technical support, with well documented information readily available."

"With Redarc products we are supporting Australian-owned and Australian-made. That's just another great reason to jump on board with Redarc and get our business moving in the right direction."

Australian-owned and Australian-made. That's just another great reason to jump on board with Redarc and get our business moving in the right direction."

**Workshop hours**  
Mon to Fri 7 to 5

and Sat 8 to 12 plus several 24 hour service vehicles.

**Lawty Auto Electrics and Air**  
39 Dunn Road, Rocklea, Queensland  
Phone 07 3255 5757  
Fax 07 3276 7611

This year was the first year of the 'Innovation in Sustainability' Awards, presented at the annual Southern Adelaide Business Forum on May 18th, 2008.

## Redarc wins Southern Adelaide 2008 "Innovation in sustainability" award

The award won by Redarc was for 'Process Improvement' and was presented to Redarc's Managing Director, Mr. Anthony Kittel and Engineering Technology Manager, Mr. Lino Cardone at a function attended by 150 business leaders from the region.



L to R: John Blumsom - Zero Waste, Redarc Managing Director, Anthony Kittel and Engineering Technology Manager, Mr. Lino Cardone.

## Redarc sponsor SAYES

Redarc are a proud sponsor of The South Australian Young Entrepreneur Scheme (SAYES). SAYES aims to provide young South Australians with the skills and confidence to develop and implement their business ideas. SAYES participants are matched with experienced mentors.

On Tuesday 17th June 2008 at Government House, His Excellency the Governor and Mrs Scarce hosted a morning tea to acknowledge contributors to the success of the South Australian Young Entrepreneur Scheme on the 10th anniversary of the scheme.



L to R: Michael Gibbons - Visualcom (SAYES graduate), Governor of South Australia His Excellency Rear Admiral, Kevin Scarce AC CSC RANR, Daniel Smith - Project Executive, SAYES and Redarc Managing Director, Anthony Kittel.



The Lawty Auto Electrics team, with owner Paul Richards third from right



Alec Constantinou

### Auto electrical stalwarts retire

Alec Constantinou and Jim Demetriou proprietors of A&J Auto Electrics, located at 21 Isa Street, Fyshwick ACT have retired in April 2008 after 31 years in partnership. The business is now being operated by Alec's son, Con Constantinou and business partner Nick Dekantios.

### Change of ownership at Greville Auto Electrical

Ian Greville of IG & JL Greville Auto Electrical, Delacombe Victoria sold his business in January 2008 after 23 years in operation. Ian has worked in the industry for more than forty years, having twenty years with G R Edward prior to opening his own business in 1985. Ian will continue to work in the business for the next year or two for new proprietor, Mr Ian Janson.

The team at Redarc wishes both business well for the future and thanks them for their loyal support over many years. Our doors are always open should they ever get the opportunity to visit Adelaide.

Marketing expertise

## Caroline Kerkhof



We are pleased to announce the appointment of Caroline Kerkhof to the newly-created position of Marketing Manager.

Caroline has a Degree in Marketing and Communications and brings a broad range marketing experience to Redarc having worked for several large corporations in Sydney including Hutchison and HPM Industries. Caroline is originally from SA and has returned home following 15 years in NSW.

Caroline has experience across a variety of market sectors including FMCG, consumer, B2B, telecommunications and electrical industries, both in Australia and New Zealand.

As a senior member of the HPM Industries management team, she led HPM's NPD, marketing and communication teams across the OEM, trade and retails channels.

Playing a pivotal role in the branding and positioning of HPM across all vertical markets. She worked closely with HPM's customers, suppliers both locally and internationally and sales teams to ensure in the delivery of the right product and service mix within home automation, commercial and residential building, electrical whole-sale and retail sectors.

Caroline is passionate about giving back to the community and has actively participated in volunteer activities with Wayside Mission, South Sydney RSPCA and Cure our Kids.

Caroline's philosophy is that people don't buy products or services; they buy brands they believe in. Her focus is to enhance and drive Redarc's brand personality and ensure that product quality and service exceeds the expectations of all Redarc customers.

Managing Director, Anthony Kittel, said "Over the last thirty years Redarc has developed a strong name in the field for quality, performance and reliability. The appointment of Caroline Kerkhof is key to our strategy of developing the Redarc brand to ensure it is recognised and respected by the customers in our areas of strategic market focus".

## Mick's on the road again

Since commencing with Redarc in March as Area Sales Manager, NSW, ACT & QLD, Mick Bale has been very active in visiting many Auto Electrical customers and Redarc Distributors in the region. He has been conducting

product awareness training and assisting with application advice. Mick commented that "the support from the trade for the Redarc product is outstanding and I have really enjoyed the opportunity to meet with and discuss our products with so many positive customers in my short time in the new role". Mick is pictured next to his distinctive "Redarc red" Toyota Hilux SR5 Turbo Diesel.



Special projects management

## Michael Paay



We are also pleased to announce the appointment of Michael Paay as Special Projects Manager.

Michael has a Bachelor Degree in Electrical and

Electronic Engineering and brings a broad range of project management experience to Redarc having worked for several large corporations in SA including Visiocorp (Scheffenacker), Codan and Clipsal Integrated Systems.

While at Visiocorp he formed part of the customer segmentation team and was responsible for all electrical/electronic switching and lighting products for customers such as Ford, Holden, Futuris, Autoliv, BMW and Isuzu.

As Manufacturing Projects Manager at Codan, Michael was responsible for the \$4m extension of the production facility at Newton and also the introduction of several new satellite communication and HF radio products.

He has also worked as a chief engineer at Clipsal Integrated Systems managing the development of several power switching and smart building management C-Bus products.

Michael is a keen golfer and motor racing enthusiast. He also assists with organising functions and events for Atlantis Swimming Club in Unley SA where Michael and his family actively participate.

Michael's philosophy is to run a project in the most efficient way possible that is able to deliver a high quality product that exceeds the customers expectations.

Managing Director, Anthony Kittel, said "Michael's broad project management experience at a number of successful large SA corporations will be of huge benefit to Redarc".

Visit [www.redarc.com.au](http://www.redarc.com.au) for tech-tips and up-to-date info

# Dual jump start options

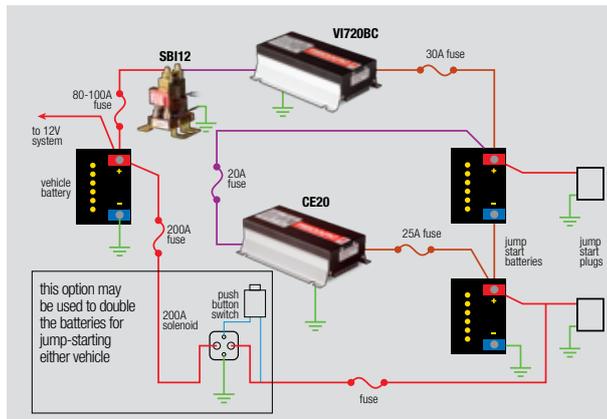
The Redarc technical help team often receive enquiries about dual jump starting (12/24V) capabilities from a 12V vehicle. Applications include rescue vehicles on mine sites or road side assistance. Here are a few useful wiring diagrams that may help you out.

## 1 - Using a VI720BC and a CE20 in a 12V vehicle for dual 12/24V jump starting

Using the SmartStart SBI12, VI720BC battery charger and the CE20 charge equaliser in this manner enables the vehicle's start battery to first receive charge from its alternator.

Once it has reached 13.2V, the SBI12 will connect power to the VI720BC, enabling the two batteries wired in a 24V series connection to receive a 24V charge at a maximum of 30A. The CE20 is also used to equalise the batteries should you draw more often from the bottom battery for 12V jump starting.

Some customers have also added an override solenoid and push button switch to jump start their vehicle should their start battery become discharged.

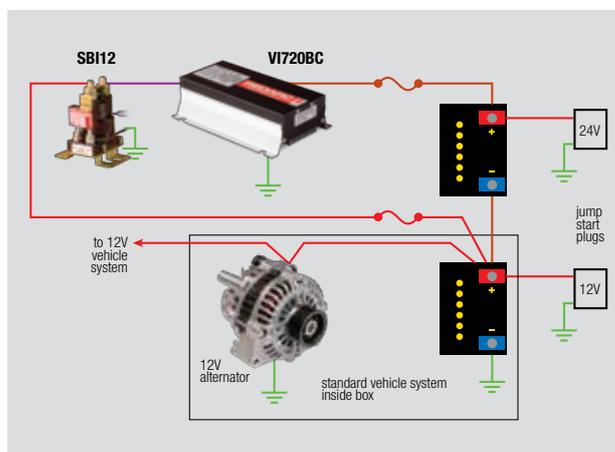


## 2 - Adding an extra battery for 12/24V jump start in 12V vehicle

By adding a 12V battery in series with your original vehicle battery you will have both 12V and 24V jump starting capabilities.

This setup enables the vehicle's start battery to first receive charge from its alternator. Once it has reached 13.2V the SBI12 will connect power to the VI720BC, enabling charging of the top battery.

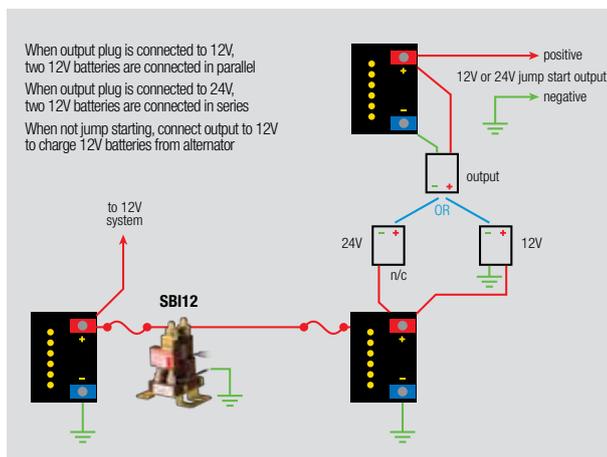
A charge equaliser isn't required in this instance as the vehicle alternator covers the charging requirements of the bottom (main vehicle) battery.



## 3 - 12V/24V jump start setup

By installing a Redarc SBI12, an extra couple of batteries (wired in series to form 24V) and an array of Anderson style plugs, enables an easy and cost effective way of obtain dual jump starting capabilities.

In this set-up the SBI12 Smart Start is used as it was intended for a dual battery system but caution must be taken to ensure that when the extra batteries are not being used to supply 24V, that they are connected together via the plugs labelled 12V. This is the only way that will enable both of the auxiliary batteries to receive charge.



### Redarc Electronics

ABN 77 136 785 092

23 Brodie Road (North)  
Lonsdale, South Australia  
Australia 5160

### Local

Phone (08) 8322 4848  
Fax (08) 8387 2889

### International

Phone +61 8 8322 4848  
Fax +61 8 8387 2889



Visit [www.redarc.com.au](http://www.redarc.com.au) for tech-tips and up-to-date info



NEWS@REDARC