

HBA1224 hand brake alarm

AN INCREASING FOCUS on mine site safety has seen the State Mining Engineer in WA, Mr. Martin Knee, release a Mines Safety Bulletin on January 4th 2008 regarding "unattended vehicles rolling away". The bulletin highlights a number of recent incidents that have caused significant damage and personal injury. One such incident describes an operator loading the trailers of a road train parked on a "very slight" slope.

The truck and trailer began rolling downhill and eventually came to rest 120 metres from the loading area in a creek. After the incident the vehicle was inspected and the park brake was found to be disengaged. The bulletin also states a primary concern by some vehicle operators attempting to pursue and enter the cabs of their runaway vehicles to try and stop them - a practice that can result in serious injury or death.

One of the mines safety bulletin recommendations is to "investigate and implement systems such as warning alarms to alert the operator that the park brake has not been engaged when the vehicle door has been opened".

In response to an increasing number of customer enquiries and the above recommendation, Redarc has released a new product - the HBA1224 hand brake alarm - which can be utilised in a wide variety of vehicles including passenger, commercial, mining and transport applications.

The product has been designed with the following features and benefits:

- Multi voltage device and can be installed in 12V or 24V applications
- Built-in red LED warning light and internal piezzo buzzer
- Designed for universal fitting - the alarm suits positive and negative input vehicles
- The alarm can be fitted to vehicles with positive or earth door switch inputs as well as positive or earth handbrake switch inputs
- Two year warranty
- 100% Australian made



The HBA1224 is a compact unit measuring 50mm x 30mm x 25mm - small enough to be dash mounted in most vehicle or machinery cabins. It has mounting tabs which may be drilled for screw mounting.

The unit has six wires for installation as follows:

Red	+12V or +24V supply
Black	Ground
Blue	Positive door switch option
White	Ground door switch option
Yellow	Positive handbrake switch option
Green	Ground handbrake switch option

The Redarc HBA1224 hand brake alarm is now available from your Redarc distributor.

If you require any further information please call us on (08) 8322 4848 or visit www.redarc.com.au

References: Mines Safety Bulletin No. 81
http://www.minerals.org.au/_data/assets/pdf_file/0010/26002/MSH_GMP_SB_SBB1.pdf



Specifications

Supply range	9-32V
Current draw (alarm off)	< 2mA
Current draw (alarm on)	Approx 30mA
Audible warning	Piezzo buzzer
Visual warning	Red LED
Dimensions	50mm x 30mm x 25mm
Weight	< 40g
Warranty	Two years

Autumn 08 Visit www.redarc.com.au for tech-tips and up-to-date info



Eastern seaboard sales support

Mick Bale

Redarc Electronics is pleased to announce the appointment of Mr Mick Bale as Area Sales Manager - NSW & Queensland.

Mick is a trade-qualified automotive electrician and complements this with more than 15 years technical sales experience.

Mick will be based in Sydney and will regularly visit our customer base throughout NSW and Queensland and will receive support from our team at head office in South Australia.

Mick was the Fleet Manager at Transport Refrigeration Services in Blacktown NSW for four years and prior to that he was employed by Ashdown Enterprises for twelve years in a number of roles including Industrial Sales, Territory Manager and Branch Manager.

Most recently, Mick was Sales Manager for GSL Electronics based in Seven Hills NSW.

Managing Director, Anthony Kittel, said "NSW and Queensland are two of the largest markets for our products. The appointment of Mick Bale, based out of Sydney, will complement and strengthen our free technical support, application advice and training offered to our customers in this region."

Mick's contact details are:

Phone 08 8322 4848
 Fax 08 8387 2889
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 Email mbale@redarc.com.au

International engineering expertise

Lino Cardone

Redarc Electronics is pleased to announce the appointment of Mr Lino Cardone as Engineering & Technology Manager.

Lino has a number of qualifications including a Bachelor of Technology (Electronic Engineering) and a Graduate Diploma of Business Administration. He brings a wealth of experience to Redarc with over 20 years electronics design expertise.

Since July 2006 he has been working as a senior consultant for Booz Allen Hamilton leading the rapid design and acquisition of vehicle installation kits for the Land Systems Division of the Defence Material Office.

Prior to that Lino was employed at Mitsubishi R&D Australia in a number of roles over a 15 year period including Manager, Electrical Engineering & Interior Design. During this time he was responsible for establishing the Electrical Engineering Design Department.

Lino worked for Mitsubishi in Illinois, USA for 15 months and for the Australian Submarine Corporation (seconded to Kockums Marine AB) in Sweden for over three years involving design of electrical power systems.

Managing Director, Anthony Kittel, said "Lino's great experience will guide and mentor our enthusiastic engineering team to ensure the design and development of new products are world's best".

Customer service commitment

Dylan Pinkard

Dylan Pinkard has recently become a member of our highly skilled customer service team. Dylan joined Redarc in early 2006 and is a qualified tradesperson, having completing an apprenticeship in electronics engineering. Since joining Redarc, Dylan has had a wide variety of experience in the manufacturing and engineering departments including manufacturing of custom products and the programming of automotive timers.

Managing Director, Anthony Kittel, said "This experience is an ideal stepping stone to being able to offer quality assistance to our customers. Dylan is keen and enthusiastic and has fitted into the team very well."

Dylan is a keen basketballer and is passionate about cars, particularly his Sprinter and RX7 Series 4.

Redarc are committed to providing high quality sales and service with free technical assistance. At Redarc we promise to assist with any vehicle related technical problem quickly, efficiently and economically. The Redarc customer service team includes Paul Savage, Mark Bruce, Carolyn Bryne, Lex Clarke, Dylan Pinkard and Mick Bale.



Mick Bale



Lino Cardone (left) with Milan Grcic



Dylan Pinkard

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Redarc achieves International Environmental Management System certification

Redarc is pleased to announce that the company has achieved certification for our ISO 14001 Environmental Management System (EMS). During December 2007 and January 2008, third party auditors (SAI Global) conducted rigorous inspection and assessment of the Redarc facilities and processes and, as a result, certification was granted.



In early 2007, as part of our preparation for the relocation to our new state of art facilities, we began implementing a more comprehensive Environmental Management System with an end goal to achieve international certification to the ISO14001 standard.

ISO 14001 is recognised by the distinctive green ticks logo, shown here, similar to the red ticks awarded to companies that have achieved quality assurance certification.

Speaking about the ISO 14001 certification, Milan Grcic, Quality Manager of Redarc, said "The ISO 14001 certification process was independent and exhaustive, making it all the more valuable to us."

"During the compliance process it was clear Redarc management and employees sought the certification because it was the right thing to do and not because it is a good management recognition tool. This clearly demonstrates that we are concerned about the environment and that we take our stewardship seriously."



Redarc's new environmentally certified facility

T E C H T I P

Help with understanding programmable timers

Our new Customer Service Technician, Dylan Pinkard has identified some common questions regarding our programmable timers including:

- What timer do I need for my application?
- How do I set it up?

Dylan developed an easier way of explaining the selection and setup of the timers. As we are dealing with time, he suggested that a clock face would be the easiest way of describing what's happening.

The green segments identify when the timer output (pin 87) is on and the red segments identify when the timer output is off. The blue arc indicates the time that the ignition input (pin 86) is held on. We have also shown the dip switch settings to assist in setting up.

The timers have a wide variety of uses in automotive, agricultural, industrial and mining applications.

For example:

- Controlling a vehicle air-conditioning fan
- Activating a pump for a set period
- Providing power to a vehicle's radio or electric windows for a preset period after the ignition is turned off.

If you require any further information please call us on (08) 8322 4848 or visit www.redarc.com.au

Visit www.redarc.com.au for tech-tips and up-to-date info



Collyn Rivers visit

REDARC WERE PLEASED to recently host a visit from Collyn Rivers. Collyn needs no introduction as he is Australia's most well established author for all things RV. Collyn knows his stuff - he's been a research engineer for GM, and specialised in measuring vehicle behaviour and performance. In the 1960's, he drove a 4WD laboratory-motorhome across Africa monitoring track conditions. He migrated to Australia in 1963 and subsequently founded the worldwide Electronics Today International magazine that in 1976 earned itself a global award. With more than 20 books and magazines in electronics, business computing, communications and music to his credit, he later became Technical

Editor of Australian Business and The Bulletin and also wrote the Federal Government's Guide to Information Technology.

Collyn has driven across Australia (and also around it) more than ten times, mostly with his wife Maarit, in an OKA motorhome. The couple's treks have included making it to the tip of Cape York, across the Simpson Desert and along most of Australia's inland major and minor tracks. They now use a 4.2 litre TD Nissan Patrol and a TVan.

With 40 years experience in designing and using motorhomes and campervans, Collyn was able to share some valuable knowledge with our engineering & design team including industry trends and



Collyn Rivers with Anthony Kittel, Lino Cardone and Ben Baldwinson

consumer needs. Collyn commented that he was impressed with our new facility and was pleased to view an Australian manufacturer making home grown products for the national and international markets.

Collyn has the knack of being an expert at reducing complicated subjects down to something that can be easily understood.

For further information visit www.caravanandmotorhomebooks.com

C L I E N T P R O F I L E

Tuggeranong Auto Electrics

STUART COLLISON established Tuggeranong Auto Electrics in 1994 with the assistance of his father Graeme Collison. At just 25 years of age this was a huge step. Stuart is a qualified auto electrician who completed his trade in 1991.

Stuart has demonstrated an entrepreneurial flair in his approach to business and he has diversified his business taking on a line of fuel injection and automotive electronic components including ECUs, crank sensors and ABS parts. He also purchased a mechanical workshop, Southern Automotive Services, to offer complete automotive services to his customer base.

The business employs six people in the mechanical operation. The core business

is passenger vehicles particularly trade vehicles and complex fault finding.

Stuart commented that Redarc is "rock solid reliable and their after sales service and support is second to none." He has a philosophy of "strength in numbers", hence his accreditation as a Bosch and Denso service agent, NRMA approved, MTA, VASA and AAEE member.

He believes that continuous training is critical to keep abreast of new technology. This is evident by the fact he has trained ten apprentices in just over 12 years, four of which have won apprentice of the year for Auto Electrical in the ACT.

Stuart demonstrates his strong commitment to the industry by lecturing to apprentices in Auto Electrical and



Stuart Collison (far right) with the Tuggeranong Auto Electrics team

Air Conditioning at Canberra Institute of Technology (CIT) Fyshwick. To relax and unwind Stuart is a keen surfer, dirt bike rider and enjoys travelling.

Stuart and his wife, Anna have recently celebrated the birth of the first child, Ivy Rose born on 25 February 2008. We offer our best wishes from the team at Redarc.

**Tuggeranong Auto Electrics
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Please make a note of our new phone and fax...

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