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# Get Current

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- CSL Makes Strategic Investment In ESP.
- Custom Made LV Bond Kits From Sicame.
- New Fluke Mda-510 And Mda-550 Simplifies Complex Motor-Drive Troubleshooting
- New Eaton AFDD+ Device Raises The Bar In Electrical Safety And Fire Protection.
- CSL Tech Showcase Brings Innovation To Your Site.
- CSL Team Expands With New Roles In 2018.

## Strategic partnership by two Kiwi family firms will see growth in energy savings.

CSL has made a strategic investment in Energy Solution Providers Limited (ESP) to form a partnership which could see a huge growth in energy savings for firms in New Zealand – and internationally.

ESP is an expert in energy reduction in New Zealand and was winner of the 2016 EECA Business Service Excellence Award, and their clients have been winners or finalists in every EECA award since 2004.

CSL chairman Judith Stewart said it was a great melding together of an industrial supplier with a cutting edge energy reduction company.

Since it formed in 2001, ESP has helped their clients save around \$27 million or 149,437,644 kWh of energy – the equivalent of taking 19,158 houses off the grid. Now it will have access to CSL’s nationwide sales and customer network to spread its services. International growth is also expected through CSL’s long-standing international partner, Weidmuller, a global industrial connectivity company with manufacturing plants,

sales companies and representatives in more than 80 countries.

CSL Chief Executive Phil Elliott said the partnership with ESP was “very complimentary”: ESP uses data to analyse and identify their clients true energy costs, while CSL distributes the equipment to produce the data and communicate it securely.

Although now in partnership, the staff of both companies will continue to operate separately with no personnel changes and it’s pleasing to note that ESP founder, Jeremy Allen, will remain a cornerstone shareholder.

Read more about ESP and their services: <http://www.espnz.co.nz/>





## Custom made LV bond kits from Sicame.

Sicame lead the industry in the design, manufacturing of portable earthing systems and LV Bonding for overhead and underground. They also have a range of specialist connectors and fittings for the Industrial and commercial markets.

Sicame LV Bond kits are custom made to customer requirements. They are suitable for both network fault currents and for protection against inadvertent energizing from embedded generation. The most popular clamp used is a clip on/ screw up clamp with short handle for ease of use. This system has been tested up to 16kA 0.5sec in accordance with IEC-61230.

Part Number: LVB-KIT5

– For more details, contact:  
Vaughan Evans,  
Business Manager - Energy  
M: 021 380 104  
E: VaughanE@csl-online.nz



## NEW Fluke MDA-510 and MDA-550 simplifies complex motor-drive troubleshooting.

The new Fluke MDA-510 and MDA-550 Motor-Drive Analyzers save time and eliminate the hassle of setting up complex measurements, while simplifying the troubleshooting process. Simply select a test and the step-by-step guided measurements show where to make voltage and current connections, while the preset measurement profiles ensure your customer will capture all the data they need for each critical motor-drive section—from the input to the output, the DC bus, and the motor itself.

From basic to advanced measurements, the MDA-500 Series has your customer covered, and with a built-in report generator they can quickly and easily generate as-found, and as-left reports with confidence.

The MDA-510 and MDA-550 are the ideal portable motor-drive analysis test tools, and can help safely locate and troubleshoot typical problems on inverter type motor-drive systems..

Call CSL now to learn more and arrange an on-site demonstration with CSL's Fluke Instrument Specialist.

– Contact Bryce Lowe, 027 443 2346  
BryceL@csl-online.nz



### FEATURES

- Measure key motor-drive parameters
- Perform extended harmonics measurements
- Conduct guided measurements
- Simplified measurement setup
- Create reports quickly and easily





# New Eaton AFDD+ Device Raises The Bar In Electrical Safety And Fire Protection.

Eaton Arc Fault Detection Device+ (AFDD+) provides critical all-in-one protection against electrical fires in homes and buildings.

Already widely used in Europe and the United States, the Eaton AFDD+ is the first IEC-based solution in the world to combine all three protective layers in one device.

In New Zealand, the AS/NZS 3000 electrical installations standard has made arc fault detection devices mandatory in locations storing flammable materials or containing irreplaceable items, historic buildings

constructed with flammable materials and school dormitories.

The Eaton AFDD+ comes in multiple options ranging from 10 to 40 amps, with in-built 30mA Type A RCD. Devices come with a purpose-designed busbar comb for easy installation.

The AFDD+ not only offers enhanced protection against fires caused by arc faults. It's an all-in-one device that also protects against overloads, short circuits and shorts to earth.

Talk to CSL customer services or regional account manager for more details.

## FEATURES

- Arc fault protection
- Overcurrent protection
- Short circuit protection
- Earth fault protection
- Additional (30mA) protection

$I_n / I_{\Delta n}$ (A)	Item no.
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### 10 kA, 2-pole

To a certain extent surge-current-proof 250A; non-delayed, pulse current sensitive, Type A

#### Characteristic B

10A / 30mA	<b>AFDD-10/2/B/003-A</b>
16A / 30mA	<b>AFDD-16/2/B/003-A</b>
20A / 30mA	<b>AFDD-20/2/B/003-A</b>
25A / 30mA	<b>AFDD-25/2/B/003-A</b>

#### Characteristic C

10A / 30mA	<b>AFDD-10/2/C/003-A</b>
16A / 30mA	<b>AFDD-16/2/C/003-A</b>
20A / 30mA	<b>AFDD-20/2/C/003-A</b>
25A / 30mA	<b>AFDD-25/2/C/003-A</b>

$I_n / I_{\Delta n}$ (A)	Item no.
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### 6 kA, 2-pole

To a certain extent surge-current-proof 250A; non-delayed, pulse current sensitive, Type A

#### Characteristic B

32A / 30mA	<b>AFDD-32/2/B/003-A</b>
40A / 30mA	<b>AFDD-40/2/B/003-A</b>

#### Characteristic C

32A / 30mA	<b>AFDD-32/2/C/003-A</b>
40A / 30mA	<b>AFDD-40/2/C/003-A</b>

Accessories	Item no.
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Commoning busbar for 4 x AFDD devices	<b>EVG-2PHAS/4AFDD</b>
Auxiliary switch with 1NO+1NC contacts	<b>ZP-IHK</b>
Auxiliary switch with 2CO contacts	<b>ZP-NHK</b>
Shunt trip release	<b>ZP-ASA/..</b>
Switching interlock	<b>IS/SPE-1TE</b>

- + ARC FAULT PROTECTION
- + ADDITIONAL PROTECTION
- + FAULT PROTECTION



**Arc fault protection**  
AFDD

**Additional protection**  
30mA RCD

**Fault protection**  
MCB or RCD

**Basic protection**  
Insulation of live parts



## CSL Tech Showcase brings innovation to your site.

The CSL Tech Showcase was on the road in latter half of 2018.

CSL has been representing some of the world's leading electrical control and automation brands for many years and in some cases for decades. With an ever increasing pace of change in technology, the need to constantly innovate has never been more important. Manufacturers like Weidmüller, Eaton and IDEC are meeting that challenge with clever new solutions that make automation easier. The Tech Showcase is supported by product and systems engineers from our technology partners.

Recent sessions showcased the latest hazardous area lighting from Crouse-Hinds and SA Equip, new Wireless I/O products and the new maxGUARD electronic load monitoring from Weidmüller and Fluke power quality training sessions at Refining NZ.

Please contact us if you want to book a Tech Showcase on-site for you and your team.

▼ Super turnout at Counties Power for a showcase on power accessories and Fluke.



▼ CSL Tech Showcase, this time at Refining NZ in Marsden Point.



▼ Showcase and training sessions with Fluke power quality and energy management



## New team members from 2018

CSL expanded the team in 2018 with a number of roles:



◀ Dwayne Taylor  
- BDM Lower North Island



▲ Denby Richardson  
- Technical Customer Service



◀ Frans Van Aardt  
- Product and Marketing Manager



▲ Jabez Michael  
- IT Manager



▲ Shane Olivier  
- Technical Customer Service



▶ Vera Diekmann  
- Technical Customer Service



▼ Mike Costello  
- Technical Customer Service