

Spring 2013

## New Railway SSI Power Supply Lightning Arresters are 'right on track'

There is currently major investment in the upgrading and development of the Rail systems throughout the UK where a new generation of Solid State Interlock (SSI) systems are being introduced with more processing capacity with large reductions in size and these systems are ideally protected by PD Devices Surge Protection products.

Based on PD's successful DSP range, the DSP1A/SSI/120AC, DSP1A/SSI/140AC and DSP1A/TVS use technology which has been proven in locations with some of the highest Keraunic levels worldwide.

The SSI Series is a new range of devices developed with Network Rail Level 1 suppliers and offers SSI Single Phase surge protection with MOV or SAD and combination component technologies.

They provide two stage redundant protection, full protection status indication and remote signalling and help to reduce the failure rate of TFM's during lightning storms, and therefore can improve SSI performance and prolong the service life of protected equipment.

They provide protection of the 120V, 140V and 230V power supplies in the SSI equipment cases and rooms for example and are an ideal protection solution for signals, points, level crossings etc. at each, and in between every station.



Picture Right:  
**DSP1A-SSI-120**  
&  
**DSP1A-SSI-140**



**Electrical Engineering**

**Surge protection equals tranquility**  
Reliability, availability, maintainability and safety are key words to the modern railway. Align this with the concerns for the environment and those in pursuit of efficiency and cost savings and we conclude with a very challenging year on year improvement programme.

Further news on the DSP1A/SSI/120AC, DSP1A/SSI/140AC and DSP1A/TVS surge protection products is available in the 'New Products' section of this issue.

**RTM Series**  
The RTM Series is a new range of surge protection products for use in railway applications. A range of surge protection products are available in the RTM Series, including the RTM1, RTM2 and RTM3. These products are designed to protect the RTM1, RTM2 and RTM3 systems from lightning strikes and other surge events.

**SSI Power Supply Lightning Protection**  
This is a new range of surge protection products for use in railway applications. A range of surge protection products are available in the SSI series, including the SSI1, SSI2 and SSI3. These products are designed to protect the SSI1, SSI2 and SSI3 systems from lightning strikes and other surge events.

**SS1 Series**  
The SS1 Series is a new range of surge protection products for use in railway applications. A range of surge protection products are available in the SS1 series, including the SS11, SS12 and SS13. These products are designed to protect the SS11, SS12 and SS13 systems from lightning strikes and other surge events.

**D.C. Traction Arrester (PDTA)**  
The PDTA is a new range of surge protection products for use in railway applications. A range of surge protection products are available in the PDTA series, including the PDTA1, PDTA2 and PDTA3. These products are designed to protect the PDTA1, PDTA2 and PDTA3 systems from lightning strikes and other surge events.

Editorial on PD Devices Rail Products including the new SSI Series appears in Railway Strategies Magazine



**PD's latest Rail Products advertisement & a data sheet for one of the NEW SSI Series models**

**World Class Surge Protection**

**Taking Railways into the Future**  
UK based Designer & Manufacturer of Surge Protection Devices for Railways and other Industrial applications.

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# New FY12-FY13 TVSS Plug-In & Panel Products Price Lists include new additions for 2013

PD's new FY12-FY13 TVSS Plug-In & Panel Surge Protection Products price lists are now available and include some new additions for 2013.

These include for example a range of Distribution Surge Protectors available with enclosures and mounting kits for TE Connectivity Dorman Smith Switchgear Loadbank panel board systems which not only extends this range but also increases its flexibility and functionality.

TE Connectivity Dorman Smith Switchgear TVSS mounting kits are available in three options:

### Loadbank 125

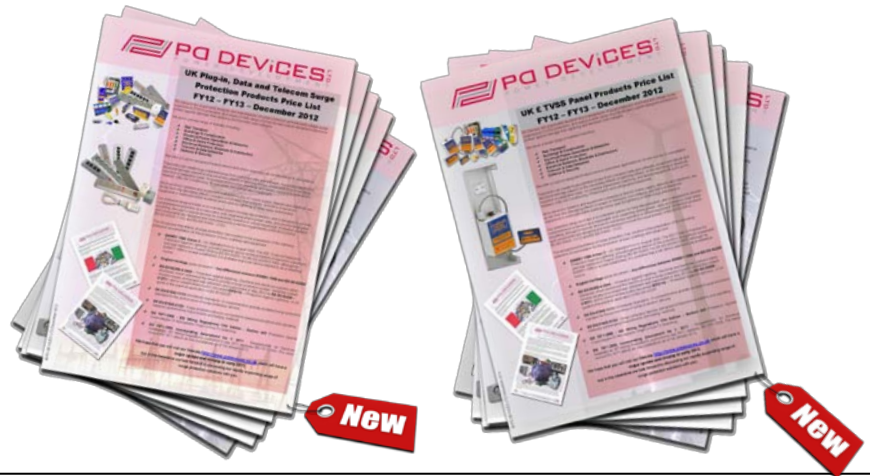
Mounting bracket which can be easily installed into the existing panel board enclosure.

### Loadbank 200 & 250 - two module cable way

Two module cableway enclosure which can be accommodated either side of the panel board.

### Loadbank 200 & 250 - two module mounting frame

Mounting frame is designed to fit to standard cableways of two modules high or greater within Loadbank 200 & 250 systems.



## Manufacturing, Technology & Innovation conference and exhibition 'A great success for PD'

PD recently exhibited their extensive range of surge protection products at the Manufacturing, Technology & Innovation conference and exhibition (MTI) in Torquay with great success.

The annual event, is geared towards helping local businesses increase trade, develop supply chains and catch up on the latest news in manufacturing and technology and aims to boost engagement between these companies and provide an opportunity to extend networks, with key industry speakers, break-out seminars and leading exhibitors from across the hi tech sector and related industries.

Exhibition plans for 2013 include a first outing for PD at 'Railtex 13' at Earls Court, London from 30 April - 2 May 2013.

[www.railtex.co.uk](http://www.railtex.co.uk)




11th International Exhibition of Railway Equipment Systems & Services

**Find us on Stand B73**

30 April - 2 May 2013 • Earls Court 2, London



## A 'Re-Surgence' of interest in PD Devices DSP 600 Series for Greenville

Greenville are an Electrical Industrial Drives & Controls Specialist & Dedicated Distributor for Northern & Southern Ireland and distribute PD Devices extensive range of surge protection products.

PD's Distribution Surge Protector - **DSP600 Series** (Shown below) was recently featured as 'Product of the month' (Shown far right) in their eNewsletter and following this exposure, Greenville have seen considerable renewed interest in this series and generally in the need for surge protection.



Picture Right: **DSP600 Series**

This renewed interest has also no doubt been fuelled by the latest update to the 17<sup>th</sup> edition wiring regulations (BS 7671). BS 7671 (The IET Wiring Regulations) is the national standard to which all domestic and industrial wiring must conform. The newly amended BS 7671 includes a large number of changes from the original 2008 document and has 70% of new content.

Amendments to BS 7671 include those to Chapter 53, which now contains a new Section 534 'Devices for protection against overvoltage' which deals with the installation of surge protective devices (SPD).

The requirements of Section 534 are for the selection and erection of SPDs for electrical installations of buildings in order to limit transient overvoltages of atmospheric origin transmitted via the supply distribution system and against switching overvoltages.

The requirements are also intended to protect against transient overvoltages caused by direct lightning strikes or lightning strikes in the vicinity of buildings protected by a lightning protection system (LPS).

**Greenville**  
Electrical: Industrial Drives & Controls Specialist & Dedicated Distributor



<http://www.greenvilleidc.com>

### Also coming up this year!

#### PD Devices TV Interview

##### 'Lightning, Camera, Action'

PD Managing Director, Mike Rendell is interviewed on [The Business Channel.tv](http://TheBusinessChannel.tv) and the CIBSE Programme – Innovative Building Services and Engineering, to be aired on the Sky and Freesat television networks in March – April.



PD Devices now has a channel on



#### New Product

Launch - SSI Datalink Planned for introduction in early 2013 and suitable for Railway Solid State Interlock (SSI) data link applications.



#### PD Devices Website

PD Devices will be launching its **NEW LOOK** website very soon, including new pages, different languages and up to date news & information.

launching soon at ...  
<http://www.pddevices.co.uk>



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