

## Hello, good evening or welcome to PD Devices

For those new to PD Devices, they are a designer and manufacturer of an extensive range of Transient Voltage Surge Suppression (TVSS) protectors / Surge Protective Devices (SPD's) and Electrical Surge Protection Components and Modules.



They supply products and custom solutions to protect against damage from lightning and transient over-voltages, serving a broad range of markets including, Buildings & Construction, Rail Transport, Electrical Generators & Networks, Telecom & Data Networks, Office & Home Systems.



PD Devices ensure that their Product Designs, Test & Manufacturing Processes and Facilities comply with all relevant International Standards, and Qualification Procedures.



All products are RoHS Compliant and PD are WEEE registered. Design, Manufacturing & Quality Assurance Systems meet ISO 9001:2008, and products meet National & International Standards & Recognition's including UL, CEE, BS, & IEC

They supply direct or through reputable Electrical Retailers, Stockists & Distributors, offer a Custom-designed Product service and where applicable an on-site survey and consultation.



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## BS7671 - 17<sup>th</sup> edition update affects all new installations in 2012

BS 7671:2008 Incorporating Amendment No 1: 2011, published in July 2011, replaces BS 7671:2008. The newly revised BS 7671(The IET Wiring Regulations) affects all new installations as of 1st January 2012 and is the national standard to which all domestic and industrial wiring must conform.

Amendments to BS7671 include a new section 534 'Devices for protection against overvoltage', which deals with the installation of surge protective devices (SPD) and PD have produced some useful documents to assist, copies of which are available on request.



**IN THIS ISSUE** ▶ RS adds PD Type I, Class I Products to range ▶ Rail Industry Increases adoption of PD SSI Protectors ▶ More



**RS Components extend their range of PD Devices Surge Protective Devices - SPD's**



PD Devices Type I, Class I SPD's

RS Components Ltd have extended their range of PD Devices TVSS Surge Protective Devices "SPD's", to include a new range of Type I, Class I products, which address the additional requirements of BS EN 62305-4, which superseded the previous BSI "Code of Practice for Protection Against Lightning" BS6651 Annex 'C'.

BS EN62305-4 refers to IEC61643-11/12 the Globally accepted surge protection standards for the performance of SPD's, where it is stated that if a Lightning Protection System (LPS) is installed or taking into account of direct lightning strike requires SPD's, the lightning impulse current limp shall be evaluated. If no such evaluation is possible, the value of limp shall not be less than 12,5kA for each required mode of protection (Phase). The lightning impulse current limp for the surge protective device connected between neutral conductor and PE shall be calculated in accordance with IEC61312-4.

**Rail Industry Increases Adoption of PD Devices Network Rail Approved RTM Series**

PD Devices RTM Series range of Network Rail approved Power Supply Lightning Protectors continue to enjoy increased adoption by providers to the Rail industry.



Network Rail Approved RTM Series

The RTM Series consists of models with Metal Oxide Varistor or Silicon Avalanche Diode component technology, which help to reduce the failure rate of TFM's during lightning storms, and therefore can improve performance & prolong the life of protected equipment.

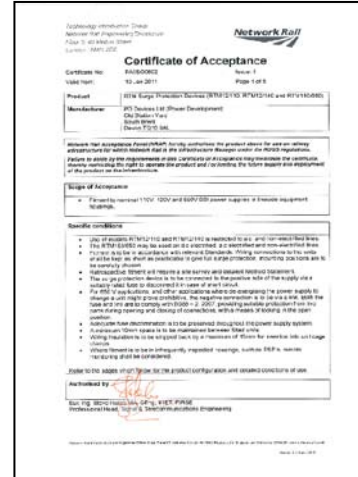
They are employed on the incoming power supplies or tail cables, providing protection to the 110V, 140V and 650V power supplies in the SSI equipment cases and rooms, and typical applications include protection for signals, points, level crossings, and at each and in between stations.

All units are supplied as single phase modules.

**RTM150/650** - 75kA, 650V rating (PADs No: 086/047165)

**RTM12/140** - 12kA, 140V rating (PADs No. 086/047166)

**RTM12/110** - 12kA, 110V rating (PADs No. 086/047167)



PD Devices Latest Ad

**Coming Soon.....**

**Distribution Surge Protector - DSP 600 Series**

Upgrade to 40kA and 10/350us capability



**Updated PD Website**  
Major update and revamp launching soon at ...

<http://www.pddeVICES.co.uk>

