Electronic Lightning and Surge Protection Systems

A leading authority in the field of electronic lightning and surge protection.
Based in Sheffield, First Power and Surge Protection Ltd are specialists in the field of electronic lightning and surge protection systems working in compliance with BSEN 62305 and BS 7671. We also offer traditional external lightning systems to BS 6651 and the more modern ESE system (Early Streamer Emission System) to NFC 17102.

We have extensive experience in all areas of power supply protection, management and will guide you through current standards, their requirements and ultimately deliver solutions to all your power management and surge protection issues.

Our project portfolio includes, schools, colleges, NHS, properties of The Crown, MOD facilities, supermarket chains, factories, HM Prison sites and multi-occupancy residential buildings.

We are the exclusive UK integrated partner of CPT (Cirprotec), a pioneer in the design and manufacture of lightning and surge protection devices. CPT is present in over 60 countries worldwide.
1st for power, 1st for technology, 1st for innovation, 1st for service.
We enjoy a growing reputation for excellence and expertise. We provide decisive leadership, cost effective solutions, together with the flexibility and knowledge necessary to respond to whatever issues our customers are experiencing. FPSP are a complete one stop shop where you will find solutions above and beyond those of our competitors.

FPSP have unrivalled access to the latest technology and equipment from a network of British and International Product Standards. Through technical innovation and CPT product we offer a unique combination of design consultancy and product supply. We are continually raising the bar and always understanding that today’s best is never good enough for tomorrow.

In these days of high tech business and commerce we are all dependent on electronic and electrical equipment. This equipment is all connected to the grid, often exchanging data and signals through communication lines. These interconnecting networks provide a direct route for overvoltages of serious and significant values.

Protection against lightning and overvoltages ensures:
- Safety of people, goods and equipment
- Continuity of installation services
- Potentialises energy efficiency by reducing power consumption
- Compliance to BSEN 62305 primary ‘R’values:
  - R1 - Loss of human life
  - R2 - Loss of services to the public
  - R3 - Loss of cultural heritage
  - R4 - Loss of economic value

FPSP offers a wide range of products and services to provide specific solutions for all your surge and lightning protection needs:
- Internal Protection (surge and overvoltage protectors)
- External Protection (ESE lightning rods and Faradisation)
- Grounding Systems and Insulation Monitors
- Design, technical, installation, and training services
- Laboratory based witness testing
Our brand, CPT (Cirprotec) is exclusive to FPSP in the UK. CPT are the leading European manufacturer of lightning and surge protection devices. All our products are manufactured in Europe to current European standards and carry the CE mark. Our internal lightning and surge devices are compliant to BSEN 62305 and BS 7671.

**Product - Quality Assurance**

Devices designed and manufactured entirely in Europe in accordance with European and International standards such as:

- BSEN
- EN
- NFC
- BS
- VDE
- UL
- IEC
- UNE
- IEEE

Always under the control of ISO 9001 quality assurance guidelines
services

We pride ourselves on our knowledge and excellence in the field of Lightning and Surge Protection and offer complete turnkey solutions to all your external and internal lightning and surge requirements including:

- Site Surveys
- Diagnostics
- Design
- Product Supply
- Installation
- Project engineering

Whilst our expertise and focus rests on external and internal lightning and surge protection, our multi-disciplined engineering skills mean that we can deliver solutions including:

- Lightning and Surge Protection
- All types of Electrical Design
- Switchgear Supply
- Switchgear Maintenance
- Voltage Optimisation
- Power Factor Correction
- Harmonics
- Installations
- Commissioning
- General Power Equipment Maintenance

SEMINARS

FPSP are ready to assist with all types of regulatory compliance issues and can facilitate informative training seminars on:

- BSEN 62305
- BS 7671
- BS 6651
- 17th Edition Wiring Regulations,
- Harmonics

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