Medical equipment is impacted by literally millions of transients during its operating life causing damage, degradation, and excessive maintenance costs. Not only are there higher than necessary medical equipment maintenance expenses, but this can directly effect the quality of patient care. Transient Protection Design offers power and data surge protection products to protect and maintain peak performance of all equipment in these facilities including imaging & monitoring equipment, lighting

**Reduce Downtime**
- Reduce Maintenance Costs
- Extend Equipment Life
- Quick Payback
- Huge Life Cycle Savings

### Surge Suppression
- **Lightning Protection**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Voltage Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TK-TTLP-1S240-FL</td>
<td>120/240VAC, 3W+G</td>
</tr>
<tr>
<td>TK-TTLP-3Y208-FL</td>
<td>120/208VAC Three Phase 4W+G</td>
</tr>
<tr>
<td>TK-TTLP-3Y480-FL</td>
<td>277/480VAC Three Phase 4W+G</td>
</tr>
<tr>
<td>TK-ST160-480NN-FL</td>
<td>480VAC, 3W+G</td>
</tr>
</tbody>
</table>

*International & Other Voltage Configurations Available*

**UL 1449 Type 1 SPD**
- ETF Technology (Enhanced Transient Filter)
- UL 1283 EMI/RFI Listed Filter
- Install on any size breaker or direct to bus
- 200 KAIC rated fusing
- No over-current protection required

**Manufactured by Total Protection Solutions**
- **25 Year Warranty Including Lightning**

**SAVE MONEY!!**
- Eliminate Damage
- Reduce Lockups & Glitches

Improve the power quality at the breaker panel for your sophisticated electronic loads. Rebooting, reprogramming and replacing processors, circuit boards and components can be a never-ending battle. Problems in the system are as simple as occasional glitches locking up or turning on and off equipment without user input to widespread damage during a severe lightning storm. Microprocessors read information through current pulses as binary code (0s and 1s). As different pieces of equipment, appliances and components turn on and off, voltage and current pulses, known as transients, are generated. These pulses of energy can reach every piece of equipment in the system. The problems will vary depending upon the size and frequency of these pulses. As
Surge and Lightning Protection

Medical Centers — Doctor & Dentist Offices — Assisted Living

• Less Lockups
• Clearer Images
• Eliminate Lightning Damage
• Less Glitches
• Longer Life

Designed for electrical panels feeding:

Nuclear Medicine
Patient Scanning Equipment
HVAC
Operating Rooms
Lab Equipment
Lighting & Phone Systems
Nurse Call Stations

Security Systems
Elevators
Building Automation Systems
X-Ray & Ultrasound Equipment
Back-up Generators & ATS
Biomed Equipment

Easy Install
Retrofit or New Construction

Improve the Bottom Line
Reduce Electrical Maintenance Budgets

Reduce Liability—Keep Security Systems & Lights Running Properly

Improve Patient Scheduling by Keeping Equipment Running