

## AEGIS-HW

*TVSS, POWER Conditioning, PF Capacitors & Harmonic Filters Critical Load Surge Filter*



### "PEC and Electronic Equipment Manufacturers Insist on Series Powerline Filter to Protect Critical Loads"

#### Product Description

Eaton's Cutler-Hammer AEGIS solutions are specifically designed to protect expensive electronics from the hazards that exist within a facility. This critical load protection is effective at reducing harmful surges and noise. Applying this high performance series powerline filter at your critical loads result in "clean" power entering the electronics and reduction of "soft" errors, operational malfunction, and damage to components.

#### Standard and Certifications

Cutler-Hammer products are designed in accordance with ANSI/IEEE C62.41(1991) recommended spectrum of transient waveforms. The AEGIS protects against all ringing and impulse disturbances.

#### Application Description

The AEGIS is the protection solution for critical loads and facilities.

#### Loads

- \* programmable controllers (PLCs).
- \* Scanning devices.
- \* ATMs (Automatic Teller Machines).
- \* Cash registers.
- \* Alarm systems.
- \* Microprocessor controlled OEM products.
- \* Robotics.
- \* CAD, CAM systems.
- \* Control equipment.
- \* Medical electronics and devices.

#### Why Should Sensitive Electronic Load be Protected?

PLC manufacturers and service technicians recommend the use of surge suppressors and filters to prevent downtime and equipment damage due to surges and electrical line noise. One study shows failure to protect sensitive electronic loads costs American manufacturing, commercial and service industries over \$ 39 billion per year in lost time and reverting these losses is a major cost-saving opportunity.

#### AEGIS Powerline Filters Protect Against the Full Spectrum of Transient Disturbances

AEGIS filter the entire sine wave and is effective against both frequently occurring low energy and occasional high energy transients. High energy transients can create immediate damage, while low energy transient cause microprocessor failure over time.