



## AC Surge Protection Devices (SPDs)

Since the late 1980's, the industrial markets like water treatment, schools, prisons, refineries and all types of factories, has been transitioning over from an electrical environment to a purely electronic environment. This electronic environment includes not only specialty equipment like Industrial Control Panels, Robotics, Computers, Printers, but also includes Facility Alarm & Security, and energy saving devices such as lighting ballasts and Variable Frequency Drives. This means that equipment failures can be caused by anomalies that originate from outside and inside the industrial facility. Not only is the electronic equipment more sensitive from outside transients, but their power supplies generate high frequency noise that will hurt other electronic equipment tied to the same power bus.

**ACT offers real-world solutions to all of these power quality problems.**

### ACT 471 Surge Seeker Family

A Full-Featured Primary Surge Protection/Filter Device

**No other protection company is offering this breadth of power filtering and monitoring capability in a single package.**



**10 YEAR Standard Warranty**

Power quality is more important today than ever before and that means not just any surge protector can be relied on to protect your sensitive equipment.

The ACT 471 Surge Seeker Family is the perfect design to protect your sensitive electrical and electronic environments.

This full-featured filter protector protects all phases and modes against transient surges and, with the filter option, is able to reduce induced noise by over 50 dB. No other company offers as much power quality protection.

#### MOST ADVANCED MONITORING SYSTEM ON THE MARKET

- Listed Type 1 and Type 2
- Lights (LED) – Green per phase, Red - Alarm
- Audible Alarms
- Microprocessor-based Power Quality Meter (optional)
- Logging Capability (optional)
- Event Waveform Capture (optional)
- 200 kAIC rated Fuse or Optional Fused Disconnect
- Up to 300,000 amps per mode modular protection (600,000 per Phase)
- BEST IN CLASS built in Filter options in the market >55dB
- Advanced filter targets most common transient surges and damaging medium frequency noises
- Copper Bus Connected Surge Modules
- 10 Modes of Protection (L-N, L-G, N-G, L-L)
  - 7 Modes Discrete (L-N, L-G, N-G)
- Dual Surge Counter Options (Continuous and Resettable)
- Smart Monitoring
- Dual NO / NC Form C Dry Contacts
  - For remote monitoring & control (250V 5A rating)
- Individually Fused and Protected MOV Technology
- NEMA 4 & NEMA 12 Painted Steel Enclosure

### ACT 471SEL Selenium Hybrid Filter Device

A Full-Featured Primary Surge Protection/Filter Device



**20 YEAR Standard Warranty**

The ACT 471 SEL Family is designed to protect all phases and modes against transient surges and limited over voltage events and, with the Advanced Power Filter selected, is able to reduce induced high frequency noise by over 50 dB across a broad frequency spectrum.

Unlike many of our competitors, the ACT hybrid design comes standard with many different alarm options. Add our Power Quality Meter option and no other company can provide this level of Power Quality Diagnostic information. "Transient Snap Shot" and "Time Stamp Data Logger" are included.



## AC Surge Protection Devices (SPDs)

The Full Featured Surge Stryker Family is a high performance surge protector designed for critical panel locations. The SPD incorporates high-energy MOVs with the best performing AC filter on the market to provide protection against transients originating from induced lightning strikes, utility switching and facility power noise.

Real-time diagnostics include LED fault indicators for each phase, as well as an optional alarm that includes red LED, dual Form C dry contacts for remote indication and an audible alarm, so you always know the Surge Stryker Protector is at full capacity.

The ACT 455 Family is available for all voltages and configurations up to 480Vac. Housed in a rugged NEMA 12 enclosure, these devices are suitable for harsh indoor or outdoor applications.

- 1** Capture the lightning strike to a known and preferred attachment point using a purpose-designed air terminal system.
- 2** Conduct the energy to the ground via a purpose-designed down conductor.
- 3** Dissipate the energy into a low-impedance grounding system.
- 4** Bond all ground points to eliminate ground loops and create an equipotential plane.
- 5** Protect equipment from surges and transients on incoming power lines to prevent equipment damage and costly operational downtime.
- 6** Protect equipment from surges and transients on incoming telecommunications and signal lines to prevent equipment damage and costly operational downtime.

### ACT Surge Stryker 455 Family

7-Mode Hardwired Primary AC Surge Protection Device

**Surge Handling (Imax)**  
Up to 30 kA/mode 6000 kA/phase

**Recommended Location**  
Type 2 Location  
Cell Sites, Well Pumps / Cat C  
Distribution Equipment / Cat B  
Branch Panels / Cat B  
Point of Use / Cat A  
Residential / Cat C



Available in 050, 080, 100, 160, 200, 300 kA per modes  
7 modes of discrete protection (L-N, L-G, N-G)  
10 modes of protection (L-N, L-G, N-G, L-L)  
200 kAIC Fault Current Rating  
Advanced EMI/RFI Noise Filtering (-45dB) 3kHz - 1MHz  
3rd Party Tested - 15,000 (C3 20 kV/10 kA)  
Optional 30amp fuse allows direct connect to power bus  
Response Time <5 nanoseconds MOV Technology  
Green LED Indicators  
Alarms Red LED (option)  
EMI/RFI Noise Rejection (option) -45dB and -55dB  
Surge Counter (option) 8-digit resettable transient counter  
Remote Signaling Form C dry contacts – NC & NO  
Audible (option) With Shut-off Switch

### ACT Surge Stryker 455 CGC Family

7-Mode Hardwired Primary AC Surge Protection Device

**Surge Handling (Imax)**  
Up to 50 kA/mode 100 kA/phase

### ACT Surge Stryker 455 CGX Family

7-Mode Hardwired Primary AC Surge Protection Device

**Surge Handling (Imax)**  
Up to 80 kA/mode 160 kA/phase

**Resettable Surge Counter**

**5 YEAR Standard Warranty**



7 modes of discrete protection (L-N, L-G, N-G)  
10 modes of protection (L-N, L-G, N-G, L-L)  
200 kAIC Fault Current Rating  
EMI/RFI Noise Filtering (-45dB) 3kHz - 1MHz  
3rd Party Tested - 15,000 (C3 20 kV/10 kA)  
Response Time <5 nanoseconds MOV Technology  
Green LED Indicators  
EMI/RFI Noise Rejection -45dB  
Alarms Red LED  
Remote Signaling Form C dry contacts – NC & NO  
Audible With Shut-off Switch  
Enclosure Type: Painted Steel NEMA 12  
Standard no option code  
Stainless Steel – SS  
Wire option: Standard 10awg 3' pigtailed  
Alarms Alarm LED, Remote Relay & Audible  
Filter -45 dB EMI / Noise Filter  
Optional Mounting Top Feed – T