
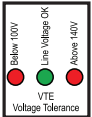


## Advanced Surge Suppression ACSP-2002-VTE

featuring 20A outlets & over/under voltage protection



### features . . . . .

- **Description:** Lowell's Advanced Surge Suppression provides multiple layers of protection for equipment on a single circuit. With TCR technology (Triple Clamping Redundancy), these advanced devices can protect sensitive equipment from harmful power surges and spikes up to 72,000A, when fully active.
- **LED Status Indicators (3):** Each LED lights when protection is active for its associated stage (1, 2, or 3). An LED will not light if its associated stage is off-line (alerting user to repair/replace the unit) 
- **No Ground Contamination:** Suppresses line to neutral with no ground wire contamination.
- **Low-profile Chassis:** 1.75" x 6" x 9"
- **Convenient Access:** Patented\* outlet plate can be rotated 90° for front or side access to outlets, making it easier to accommodate unwieldy power cords.
- **Mounting Aids:** Universal mounting brackets mount the SPD to a wall, under a counter, or inside a rack.
- **Approvals:** ETL Listed (conforms to UL1449-4). ANSI C62.41 Compliant.
- **Warranty:** 10 year limited factory warranty.\*\*
- **Model #ACSP-2002-VTE:**
  - VTE Voltage Tolerance Envelope: Over/under protection deactivates outlets when line voltage exceeds specified parameters (above 140V or below 100V). Auto restart when line voltage returns to normal. 
  - Two (2) NEMA 5-20R outlets
  - 6 ft. cord with NEMA 5-20P plug

### a&e specifications . . . . .

The 20A single-circuit surge protector shall be Lowell model ACSP-2002-VTE with one duplex outlet. It shall protect the line to neutral without ground wire contamination. It shall be capable of protecting electronic equipment from transient voltages, spikes and surges up to 72,000A and have a response time of less than 5 nanoseconds. It shall include mounting brackets and two 20A outlets mounted on a plate that can be rotated 90° for front or side access. It shall include LED status indicators. It shall include over/under voltage shutdown protection when voltage drops below 100V or rises above 140V. It shall be ETL Listed and conform to UL1449-4 and ANSI C62.41

\* U.S. Patent No. D535178S

\*\* 10 year warranty limited to repair or replacement of unit at manufacturer's option (original purchaser only).

### ACSP Series Summary

Model No.	Amperage	Outlets	Termination	VTE Over/Under Voltage Protection	RPC Remote Power Control Circuitry	Limited Warranty
ACSP-1502-VTE	15A	(2) NEMA 5-15R	6' detachable cord	Yes	---	10 years
▶ ACSP-2002-VTE	20A	(2) NEMA 5-20R	6' cord	Yes	---	10 years
ACSP-1502-RPC	15A	(2) NEMA 5-15R	6' detachable cord	---	Yes	10 years
ACSP-2002-RPC	20A	(2) NEMA 5-20R	6' cord	---	Yes	10 years
ACSP-2002-RPC-HW	20A	(2) NEMA 5-20R	6' flexible conduit	---	Yes	10 years



### MECHANICAL SPECIFICATIONS:

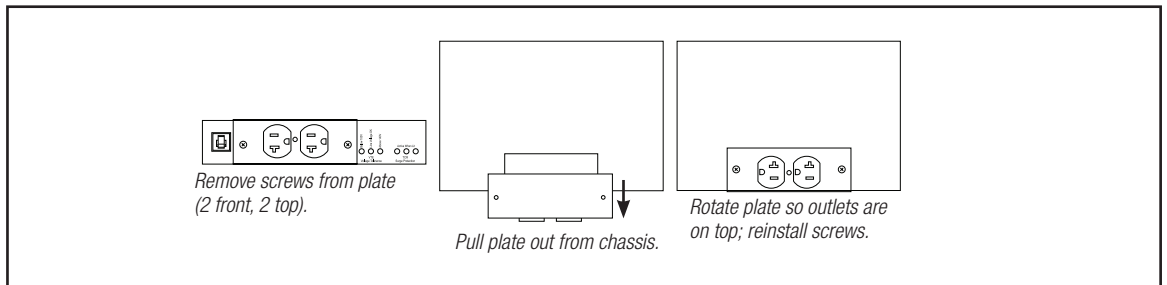
Dimensions ..... 9"W x 1.75"H x 6"D  
 Weight ..... 5 lbs.  
 Input Connections ..... Attached cord with NEMA 5-20P plug  
 Output Connections..... (1) duplex 20A receptacle mounted on 90° rotatable plate  
 Chassis ..... Steel with black powder epoxy finish  
 Mounting..... (2) brackets

### PERFORMANCE SPECIFICATIONS:

Operating Voltage/Current ..... 120VAC / 20A, 60Hz  
 Maximum Surge Current ..... 72,000A (exceeds UL1449-4 6000V, 3000A)  
 Initial Clamping Voltage ..... 205V, UL rating 400V  
 Endurance..... IEEE C62.41-1991, B3 (C1), Pulses (lifetime): 1kv≥1,000,000; 3kv≥100,000; 6kv≥5000  
 Transient Noise Reduction ..... 29dB@100kHz, 70dB@1MHz  
 Response Time ..... Less than 5 nanoseconds  
 Operating Temperature..... 25°C (77°F) nominal  
 Protection Mode ..... Line to neutral, zero ground leakage  
 UL1449-2 Adjunct Results..... 1000 surges, 6000 volts, 3000A, C1, and B3 waveforms (IEEE C62.41), NO FAILURES  
 Federal GSA specs (1996) ..... Grade A, Class 1, Mode 1  
 Diagnostic LEDs (surge)\*\* ..... One green LED for each stage. All stages active when all lit.  
 Applicable Standards ..... Conforms to UL1449-4, IEEE standard 587-80 A & B, IEEE standard C62.41-1991, IEC 1000-4-5-1995 (IEC 801-5).  
 Safety Agency Approvals..... ETL Listed US and Canada

**\*\* TCR surge suppression technology provides the assurance of Grade A, Class 1, Mode 1 endurance and performance with visual diagnostic LEDs. Three stage SPD (surge protective device) has a green LED indicator for each stage to show on-line status. If one stage goes off-line, remaining stages still provide protection at the same clamping level. In the unlikely event that one or more stages goes off-line, contact Lowell for repair or replacement under the unit's 10 year warranty.**

### ACCESSIBLE OUTLETS: Rotating the Outlet Plate.



### MOUNTING BRACKETS:

