



TITAN BP

Branch Panel Protection

Titan™ BP suppression panels provide the maximum protection for large loads and branch panels. Design engineers can specify individual options and features for each project: such as system voltage, housing type, integral fused disconnect, etc.



PROTECTION

The Titan BP multi-phase suppressor provides state-of-the-art protection in industrial, medical and commercial applications. The Titan BP provides 200,000 amp peak surge current capability.

Performance

The EFI Electronics Titan BP utilizes a hybrid Sine Wave Tracker™ suppression circuit in a replaceable three phase module. The Titan BP provides both transient protection and up to -54 dB of noise filtration. The Titan BP panels have passed a pulse life test of 5,000 ANSI category C-3 surges without clamping drift.

Applications

The Titan BP is designed and manufactured for installation on service entrance, branch panels and sensitive electronic equipment. The Titan BP can be installed in series for sensitive loads up to 100 amps. Titan BP's provide excellent protection as the branch panel or equipment protection in a cascaded filter suppression system.

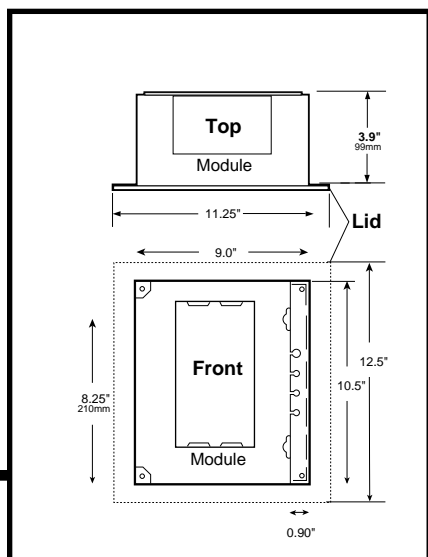
FEATURES	ADVANTAGES	BENEFITS
LED status indicators	Unit can be tested without disabling protection during test conditions.	Allows building maintenance personnel to preform regular inspections of suppressor status.
Audible alarm and NO/NC dry contacts status indicator	Provides additional indication of the suppression status.	Allows the building engineer to remotely monitor SPD status.
200,000 peak amp surge current capacity.	Protects against nearby high energy lightning strikes.	Assures protection even in the worst electrical conditions.
Sine Wave Tracker circuitry	Provides a tight clamping window above and below the AC sine wave.	Customer assurance of superior transient protection.

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Product Specifications

Titan BP Technical Specifications

Surge Current Rating	200,000 Amps per phase (L-N + L-G) 100,000 Amps (N-G)
Modes of Protection	L-N, L-G, N-G, L-L
Clamping Voltage	120/208 Volt: 400 Volts
UL 1449, Second Edition	277/480 Volt: 800 Volts, 347/600 Volt: 1,000 Volts
cUL	
Protection Circuitry	Parallel, Sine wave tracking
Diagnostics (Standard)	Green LED; Audible Alarm; NO/NC Dry Contacts
EMI/RFI Noise Rejection	Up to -54 dB (100kHz-100MHz)
Fusing (Standard)	50,000 Amps
Connection Means	Lugs #14- #2 AWG, 2 per Ø
Enclosure Size	10.5" x 9.0" x 3"/no disconnect
Mounting	Surface or flush
Enclosure Rating (Std.)	NEMA 1
Warranty	10-years full replacement
Pulse Life	5,000 Cat. C3 surges without clamping drift
Voltages Available	All Standard Voltages
Frequency Range	50, 60, 400 Hz
Weight	10 lbs
Operating/Storage Temp.	+14°-140°F/-40°-160°F
Altitude	Sea level to 12,000 feet (3,658 meters)



Available Options

Voltage

- 120/240 Single Phase, 3-wire plus ground
- 120/208 Three-phase Wye, 4-wire plus ground
- 120/240 Three-phase Delta, 4-wire plus ground
- 220/380 Three-phase Wye, 4-wire plus ground
- 277/480 Three-phase Wye, 4-wire plus ground
- 347/600 Three-phase Wye, 4-wire plus ground
- 240 Three-phase Delta, 3-wire plus ground
- 380 Three-phase Delta, 3-wire plus ground
- 480 Three-phase Delta, 3-wire plus ground
- 600 Three-phase Delta, 3-wire plus ground
- Other

Enclosure

- NEMA 1(Standard)
- NEMA 4/12
- NEMA 3R
- NEMA 4X (Stainless Steel)
- Without Enclosure (UL Recognized)
- Other (Specify)

Special Features (Choose as many features as desired)

- Audible alarm w/silence button
- 200,000 AIC fuses (in-line)
- Form C dry contacts (N.O., N.C.)
- All NEMA ratings (enclosure rating. Consult factory)
- Surge Counter
- On-line diagnostic test switch
- Other (Specify)
- Fused Disconnect Switch

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