



TITAN[®] 240P

240,000 Amp Panel Protection

EFI Electronics Titan 240P delivers specification grade performance for service entrance or critical branch panel applications. This multi-phase protection system provides protection for all critical modes in a durable and safe package. The high performance of the Titan 240P allows protection in the worst environments.



APPLICATIONS

The Titan 240P is a versatile and compact surge protection device designed to provide high quality protection for a wide variety of commercial, industrial or institutional applications. The Titan 240P is excellent as a stand alone service entrance protector or in a suppression network. It's revolutionary design incorporates bus bar construction with bolt-down modules for improved performance and ease of maintenance. And with the addition of fault current fusing, the Titan 240P is able to survive abuse that would destroy a lower class suppression device.

SUPERIOR PERFORMANCE

The Titan 240P utilizes a high energy suppression circuit which provides 240,000 peak amps of surge current rating per phase along with EFI Electronics sine wave tracking circuitry to provide up to -30 dB of noise attenuation. The bus bar construction and bolt down modules reduce the impedance in the system to allow the Titan 240P to deliver maximum protection.

SAFETY

The Titan 240P is engineered to be the industries safest surge protection device with unique fusing technology designed for these high energy surge products.

EASY INSTALLATION

The Titan 240P mounts adjacent to the panel through a conduit connection. The Titan 240P can be mounted adjacent to the circuit breaker to be used in order to reduce lead lengths and improve protection.

FEATURES	ADVANTAGES	BENEFITS
NEMA 12 Enclosure	Allows installation in outdoor applications	Provides protection to vulnerable equipment powered from weather exposed panels
240,000 Peak Amp Capacity	Provides protection against high energy nearby lightning strikes	Keeps valuable electronics safe even in the worst electrical conditions
Sine Wave Tracker™ Circuitry	Suppresses transients closer to the sine wave	Improves protection to the equipment
Advanced Diagnostics	Allows for online testing of the suppressors functionality	Allows immediate response if suppressor is damaged
Suppression Status Alarm	Provides immediate alarm if suppression is ever damaged	Prevents operating without protection
LightningTemp® Fuse	Thermal fuse capable of extreme surge currents	Provides reliable operation and prevents dangerous thermal run-a-way when MOV's are damaged

Titan 240P Product Specifications

MODELS AVAILABLE

T240P120/240Y, T240P120/208Y, T240P240D,
T240P240/120D, T240P220/380Y, T240P277/480Y,
T240P480D, T240P347/600Y, T240P600D

PERFORMANCE

Max Surge Current	240 kA/phase, L-N 120 kA, L-G 120 kA, N-G 120 kA
Short Circuit Current Rating	200 kA, 600 V Maximum
EMI/RFI Noise Rejection	Up to -30 dB
Sine Wave Tracking	Yes
Fault Current Fusing	200 kAIC

MECHANICAL DESCRIPTION

Dimensions	See image
Housing Ratings	NEMA 12
Product Weight	30 lb
Connection Method	#2 AWG Terminals
Mounting Method	Parallel, Series/Kelvin
Thermal Fusing	Yes, LightningTemp® Fuse
Operating Frequency	50/60/400 Hz
Circuit Type	Parallel Hybrid
Storage Temperature	-40° to +160° F (-40° to +70° C)
Operating Temperature	-40° to +140° F (-40° to +60° C)
Operating Altitude	Sea Level to 12,000 feet (3,658 Meters)

DIAGNOSTICS

Standard	Push to test Diagnostic Switches, Red & Green Status LED's per Phase, Dry Contacts, Audible Alarm
Optional	Surge Counter, Fused Safety Disconnect Switch

SAFETY APPROVALS

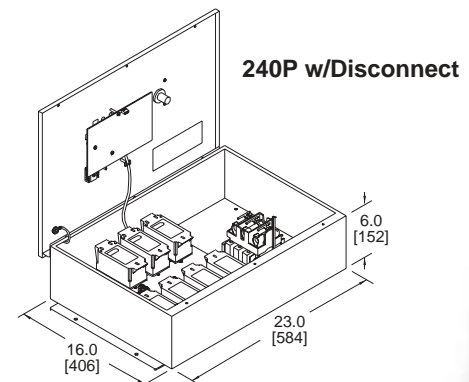
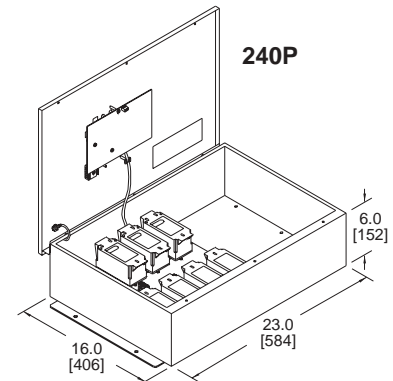
 1449 2nd Edition

WARRANTY

Product	10 years
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TITAN 240P SYSTEM DESCRIPTION

Model	Configuration	MCOV	UL 1449 2-nd Ed				ANSI C 62.41 Clamping Voltage		
			L-N	L-G	N-G	L-L	Cat A	Cat B3	Cat C1
T240P 120/240Y	1 Phase Wye, 3-wire + G	150	400	400	400	700	330	380	412
T240P 120/208Y	3 Phase Wye, 4-wire + G	150	400	400	400	700	330	380	412
T240P 240D	3 Phase Delta, 3-wire + G	300	N/A	N/A	N/A	700	608	720	800
T240P 240/120D	3 Phase Delta, 4-wire + G	250/150	600/400	600/400	400	1200/700	330/504	382/600	412/652
T240P 220/380Y	3 Phase Wye, 4-wire + G	320	800	800	700	1500	580	684	772
T240P 277/480Y	3 Phase Wye, 4-wire + G	320	800	800	700	1500	580	684	772
T240P 480D	3 Phase Delta, 3-wire + G	640	N/A	N/A	N/A	1500	728	1168	1520
T240P 347/600Y	3 Phase Wye, 4-wire + G	390	800	800	800	2000	576	776	612
T240P 600D	3 Phase Delta, 3-wire + G	780	N/A	N/A	N/A	2000	908	1318	1741



Dimensions: in.
[mm]



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