



# TITAN<sup>®</sup> 100W(F)

## 100,000 Amp Panel Protection

EFI Titan 100W(F) is a multi-phase surge suppressor and noise filter in a compact and affordable package. The compact design of the Titan 100W(F) allows protection to be installed adjacent to power panels or directly on sensitive equipment to protect against damage and disruption in the worst electrical conditions.



### APPLICATIONS

The Titan 100W(F) 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 100W(F) is excellent as a component in a suppression network or as a standalone protector.

### SUPERIOR PERFORMANCE

The 100W(F) utilizes a high energy suppression circuit that provides 100,000 peak amps of surge current rating per phase along with EFI's sine wave tracking circuitry that provides up to -30 dB of noise attenuation.

### SAFETY

The EFI Titan 100W(F) is engineered to be the industries safest surge protection device with unique fusing technology designed for these high energy surge products.

### EASY INSTALLATION

The EFI Titan 100W(F) mounts adjacent to the panel through a direct nipped connection. The 100W(F) allows flexible mounting near the circuit breaker to be used in order to reduce lead lengths and improve protection.

FEATURES	ADVANTAGES	BENEFITS
Compact Design 100,000 Peak Amp Capacity	Easily mounts even in restricted spaces Provides protection against high energy nearby lightning strikes	Improves quality of protection Keeps valuable electronics safe even in the worst electrical conditions
Sine Wave Tracker™ Circuitry LED Status Indication Suppression Status Alarm	Suppresses transients closer to the sine wave Provides visual indication of the suppressor status Provides immediate alarm if suppression is ever damaged	Improves protection to the equipment Allows immediate response if suppressor is damaged Prevents operating without protection
LightningTemp® Fuse	Thermal fuse capable of extreme surge currents	Provides reliable operator and prevents dangerous thermal run-a-way when MOV's are damaged

# Titan 100W(F) Product Specifications

## MODELS AVAILABLE

T100WF120/240Y, T100WF120/208Y, T100WF240D, T100WF240/120D,  
T100WF220/380Y, T100WF277/480Y, T100WF480D, T100WF347/600Y,  
T100WF600D, T100W120/240Y, T100W120/208Y, T100W240D,  
T100W240/120D, T100W220/380Y, T100W277/480Y, T100W480D,  
T100W347/600Y, T100W600D

## PERFORMANCE

Max Surge Current	100 kA/phase, L-N 50 kA, L-G 50 kA, N-G 50 kA
Short Circuit Current Rating	22 kA or 5 kA, 600 V Maximum
EMI/RFI Noise Rejection	Up to -30 dB
Sine Wave Tracking	Yes

## MECHANICAL DESCRIPTION

Dimensions	See image
Housing Ratings	NEMA 1
Product Weight	2 lb
Connection Method	#10 AWG Wires (22 kA SCCR) #12 AWG Wires (5 kA SCCR)
Mounting Method	Closed Nippled
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

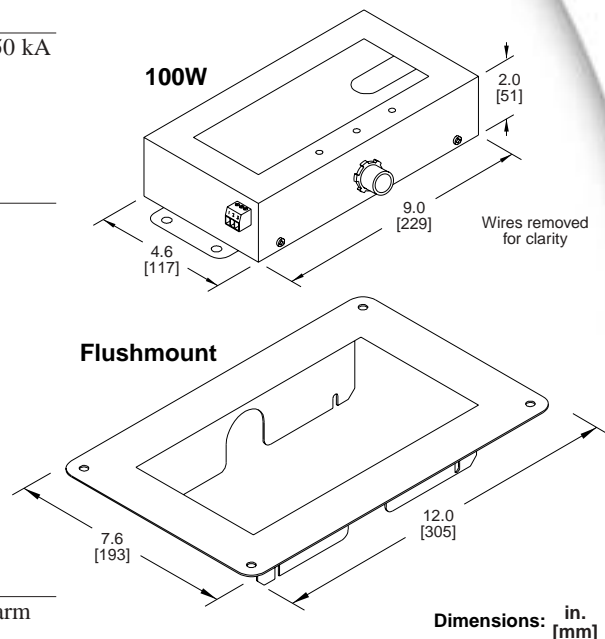
Standard	Green Status LED, Dry Contacts, Audible Alarm
Optional	Flushmount

## SAFETY APPROVALS

UL 1449 2nd Edition

## WARRANTY

Product	10 years
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## TITAN 100WF (22 kA SCCR) SYSTEM DESCRIPTION

Model	Configuration	SCCR*	MCOV	UL 1449 2nd Edition				ANSI C 62.41 Clamping Voltage		
				L-N	L-G	N-G	L-L	Cat A	Cat B3	Cat C1
T100WF120/240Y	1 Phase Wye, 3-wire + G	22 kA	150	400	500	400	800	362	476	540
T100WF120/208Y	3 Phase Wye, 4-wire + G	22 kA	150	400	500	400	800	362	476	540
T100WF240D	3 Phase Delta, 3-wire + G	22 kA	300	N/A	N/A	N/A	800	832	936	952
T100WF240/120D	3 Phase Delta, 4-wire + G	22 kA	270/150	700/400	800/500	400	1500/800	362/504	476/628	540/796
T100WF220/380Y	3 Phase Wye, 4-wire + G	22 kA	320	800	900	800	1500	576	780	992
T100WF277/480Y	3 Phase Wye, 4-wire + G	22 kA	320	800	900	800	1500	576	780	992
T100WF480D	3 Phase Delta, 3-wire + G	22 kA	640	N/A	N/A	N/A	1500	1640	1780	1820
T100WF347/600Y	3 Phase Wye, 4-wire +G	22 kA	390	900	900	900	1800	584	772	1040
T100WF600D	3 Phase Delta, 3-wire + G	22 kA	780	N/A	N/A	N/A	1800	1320	1480	1600

## TITAN 100W (5 kA SCCR) SYSTEM DESCRIPTION

Model	Configuration	SCCR*	MCOV	UL 1449 2nd Edition				ANSI C 62.41 Clamping Voltage		
				L-N	L-G	N-G	L-L	Cat A	Cat B3	Cat C1
T100W120/240Y	1 Phase Wye, 3-wire + G	5 kA	150	400	500	400	800	362	476	540
T100W120/208Y	3 Phase Wye, 4-wire + G	5 kA	150	400	500	400	800	362	476	540
T100W240D	3 Phase Delta, 3-wire + G	5 kA	300	N/A	N/A	N/A	800	832	936	952
T100W240/120D	3 Phase Delta, 4-wire + G	5 kA	270/150	700/400	800/500	400	1500/800	362/504	476/628	540/796
T100W220/380Y	3 Phase Wye, 4-wire + G	5 kA	320	800	900	800	1500	576	780	992
T100W277/480Y	3 Phase Wye, 4-wire + G	5 kA	320	800	900	800	1500	576	780	992
T100W480D	3 Phase Delta, 3-wire + G	5 kA	640	N/A	N/A	N/A	1500	1640	1780	1820
T100W347/600Y	3 Phase Wye, 4-wire +G	5 kA	390	900	900	900	1800	584	772	1040
T100W600D	3 Phase Delta, 3-wire + G	5 kA	780	N/A	N/A	N/A	1800	1320	1480	1600

\* Short Circuit Current Rating. T100WF is suitable for use on a circuit capable of delivering not more than 22,000 rms symmetrical amperes. 600 Volts Maximum, when protected by the class CC fuses included with the unit.



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