

LIGHTNING ELIMINATORS

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Facility Guard®

FG-300K

Panel Mounted Surge Protection for All Electrical Services

Features

- Maximum Surge Capacity 300kA per phase
- Protects All Modes
- Real-time Diagnostics
- Pluggable Internal Modules
- UL1449 5th Edition
- Listed UL Type 1 Surge Protection Device
- Optional Disconnect Switch and Surge Counter available
- IP66 NEMA 4 rated metal enclosure

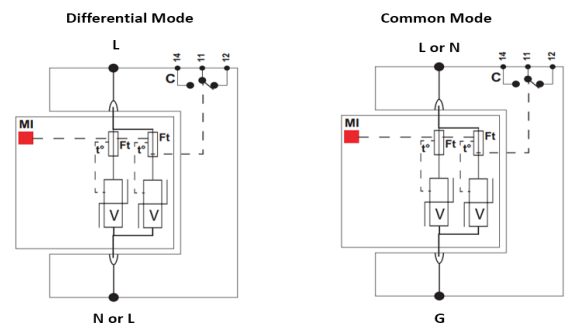
Application

The FG300K Series is a high-performance UL 1449 Listed Type 1 SPD designed for critical panels located in the harshest environments. The Surge Protection Device (SPD) achieves the highest UL performance ratings for the Nominal Discharge Current (In) and High Current (SCCR) tests while providing a low Voltage Protection Rating (VPR). It is ideally suited for all NEC compliant locations including a UL96A Master Label Lightning Protection System and thus can be deployed with complete confidence.

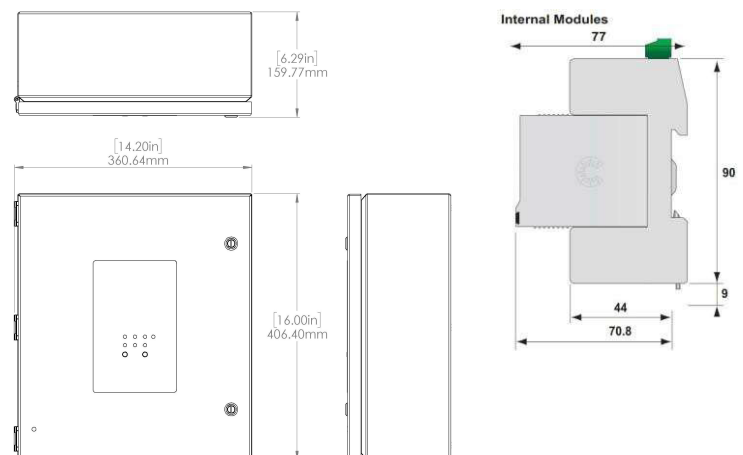
In addition to its rugged performance, the FG300K Series has a Smart-Diagnostic System that includes a multi-stage LED to indicate the exact level of protection present per phase, an audible alarm, remote signal contacts. The FG300K Series is available for all single & three phase configurations up to 600VAC and is housed in a NEMA 4 rated metal enclosure.



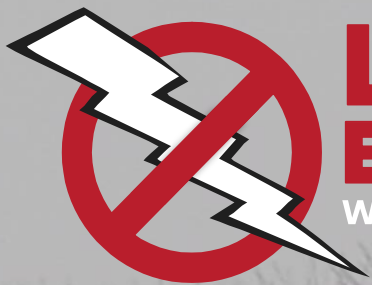
Electrical Diagram



Dimensions



Made in the U.S.



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Configurations

Model No.	System Voltage & Configuration
FG300K-120/240S*	120/240 Vac Split Phase
FG300K-120/208Y*	120/208 Vac 3 Phase Wye
FG300K-220/380Y*	220/380 Vac 3 Phase Wye
FG300K-240/415Y*	240/415 Vac 3 Phase Wye
FG300K-277/480Y*	277/480 Vac 3 Phase Wye
FG300K-347/600Y*	347/600 Vac 3 Phase Wye
FG300K-120/240H*	120/240 Vac 3 Phase High Leg Delta
FG300K-240-3D*	240 Vac 3 Phase Delta
FG300K-480-3D*	480 Vac 3 Phase Delta

* Option D, available for all models, indicates external disconnect switch and surge counter with 20"x16" enclosure. Example: FG300K-240-3DD

Operating Parameters

Surge Capacity per Phase	300,000 amps
Modes Protected	L-N, L-L,N-G,L-G
Failure Indication	LEDs
Temperature Limits	-40°F + 185°F (-40°C + 85°C)
Relative Humidity Range	0-95% non-condensing
Frequency	50/60 Hz
Housing Enclosure Material	Steel
NEMA	NEMA 4
UL 1449 5th Ed. Listed	*Yes
Warranty	10 years
Code Compliance	UL Type 1 Listed SPD
Dimensions	See Diagram
Weight	47 Lbs
Shipping Dimensions	24" x 20" x 12"

*U.S Voltages Only (VZCA only)

FG300K Performance Data

Model No.	L-N	L-L	N-G	L-G	I _n	SCCR	MCOV
FG300K-120/240S	1200	1800	900	1200	20kA	200kA	210/420/150/210
FG300K-120/208Y	1200	1500	1000	1200	20kA	200kA	150/300/150/150
FG300K-220/380Y	1800	2500	1200	1800	20kA	200kA	320/640/275/320
FG300K-240/415Y	1800	2500	1200	1800	20kA	200kA	320/640/275/320
FG300K-277/480Y	1800	3000	1200	1800	20kA	200kA	420/840/275/420
FG300K-347/600Y	1800	3000	1800	1800	20kA	200kA	460/920/420/460
FG300K-120/240H	1800/1800	3000/3000	3000	1800/1800	20kA	200kA	420/420/840/840/840/420/420
FG300K-240-3D	N/A	1500	N/A	1500	20kA	200kA	-/300/-/300
FG300K-480-3D	N/A	2000	N/A	2000	20kA	200kA	-/550/-/550



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