LIGHTNING ELIMINATORS
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FG-200/400

Facility Guard™
Panel Mounted Surge Protection for facility main service entrance.

Reliable
Surge capacity 200,000 or 400,000 amps per phase.

Versatile UL1449 Type 2 SPD
A variety of voltages and configurations make the Facility Guard ideal for almost any service entrance or distribution panel application.

Rugged
Durable construction ensures optimal performance.

Effective
Fast clamping time and low let-through, even during high-current impulses.

Diagnostic Monitoring
- Six-digit surge counter with test function
- Audible alarm with silence button
- Two sets of Form C relay contacts
- Green LED status indicator per phase
- Red LED service indicator

Features
- All modes of protection
- Rotary Disconnect
- EMI/RFI Filtering
- Surge Counter
- Individually Fused & Thermally Protected MOVs

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Lightning induced transients and other power anomalies can easily destroy or degrade unprotected electronics and computer systems. The costs of downtime and equipment replacement can be substantial.

The Facility Guard surge protectors from Lightning Eliminators provide state-of-the-art protection for all your subpanel and service entrance applications (IEEE Class B & C).

Surge protective devices (SPDs) provide protection from electrical surges and spikes, including those caused by direct and indirect lightning activity. NFPA 780 and UL 96A, the Standard for Installation Requirements for Lightning Protection Systems, recommends the use of surge protection as an integral part of a lightning protection system. The National Electric Code (NEC) and IEEE Emerald Book have specific recommendations for applying surge protection as well.

"Ensuring proper surge protection is critical to uninterrupted operations and serves as a building block to complete lightning protection".

With high-current handling capabilities and near-instantaneous clamping, the Facility Guard is the ideal choice to protect your sensitive electronics from lightning transients and other damaging surges.

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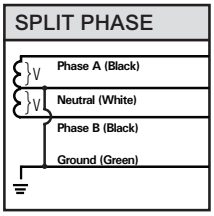
Specifications

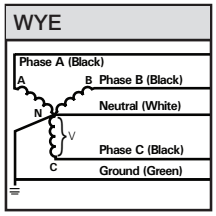
	FG-200	FG-400
Frequency Range (Hz)	47-63	47-63
Protection Modes	L-N, L-L, L-G, N-G	L-N, L-L, L-G, N-G
Weight	24 lbs / 11 kg	24 lbs / 11 kg
Enclosure Type	NEMA 1, 12, 3R, 4	NEMA 1, 12, 3R, 4
Enclosure Dimensions	12"H x 12"W x 7"D	12"H x 12"W x 7"D
Operating Temperature	-25° C to 60° C	-25° C to 60° C
Operating Humidity	0 - 95% (non-condensing)	0 - 95% (non-condensing)
Max. Surge Current per phase	200,000 amps	400,000 amps
Noise Attenuation 10 kHz - 100 MHz	-50 dB	-50 dB
Response Time	<1 nanosecond	<1 nanosecond
Warranty	10 years	10 years

UL 1449 Performance Data	L-N	L-G	N-G	L-L	I_n	SCCR	MCOV
120/240 Split Phase	800	700	700	1200	20kA	100kA	150
120/208Y 3Ø Wye	800	700	700	1200	20kA	200kA	150
120/240Y B High Leg Delta	800/1200	700/1200	700	1200/1800	20kA	200kA	150/320
277/480Y 3Ø Wye	1200	1000	1000	1800	20kA	200kA	320
240/415V 3Ø Wye	1500	1200	2500	2500	20kA	200kA	320
480V 3Ø Delta	N/A	1800	N/A	1800	20kA	200kA	550
347/600Y 3Ø Wye	1500	1500	1500	2500	20kA	200kA	420

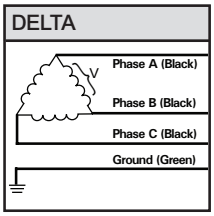
Model No.	System Voltage & Configuration
FGxxx-120/240SDX2	120/240 volt split phase
FGxxx-120/208YDX2	120/208 volt 3 phase wye
FGxxx-220/380YDX2	220/380 volt 3 phase wye
FGxxx-240/415YDX2	240/415 volt 3 phase wye
FGxxx-277/480YDX2	277/480 volt 3 phase wye
FGxxx-347/600YDX2	347//600 volt 3 phase wye
FGxxx-120/240HDX2	120/240 high leg delta
FGxxx-240-3DDX2	240 volt 3 phase delta
FGxxx-480-3DDX2	480 volt 3 phase delta
FGxxx-240-3PGDDX2	240 volt 3 phase grounded delta
FGxxx-480-3PGDDX2	480 volt 3 phase grounded delta
FG200-600-3DDX2	600 volt 3 phase delta
FG200-600-3PGDDX2	600 volt 3 phase grounded delta
Replace "XXX" with "200" or "400"	



2 Phases, 1 Neutral, 1 Ground



3 Phases, 1 Neutral, 1 Ground



3 Phases, 1 Ground

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