

# LIGHTNING ELIMINATORS

WWW.LIGHTNINGPROTECTION.COM

## Facility Guard®

**FG-200 FG-400**

**Panel Mounted Surge Protection for All  
Electrical Services**

### Reliable

Surge capacity up to 400,000 amps per phase.

### Versatile Type 1 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.

### Optional Features

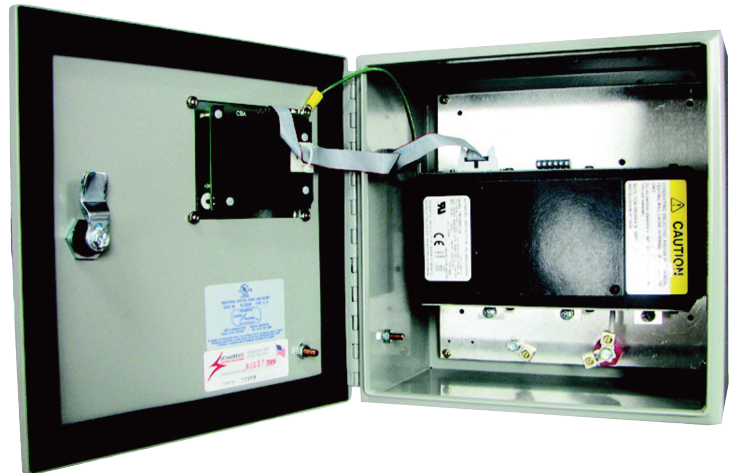
**Remote Monitor**

**Internal Disconnect**

**Surge Counter**

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).



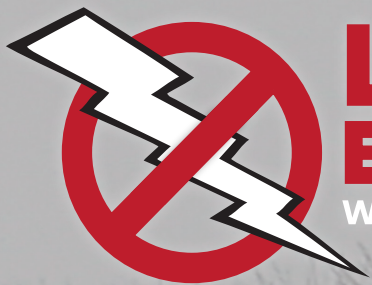
Designed for industrial and commercial use, the Facility Guard is available with a peak surge capacity of 200,000 or 400,000 amps per phase, depending on the model.

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 dangerous surges.



**Made in the U.S.**



# LIGHTNING ELIMINATORS

WWW.LIGHTNINGPROTECTION.COM

## Specifications

	FG-200	FG-400
Frequency Range (Hz)	47-63	47-63
Nominal RMS Load Current per Phase	Unlimited	Unlimited
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, 2, 3R, 4	NEMA 1, 2, 3R, 4
Enclosure Dimensions	12"H x 12"W x 6.5"D	12"H x 12"W x 6.5"D
Operating Temperature	-25 <sup>o</sup> C to 60 <sup>o</sup> C	-25 <sup>o</sup> C to 60 <sup>o</sup> 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

Performance Data	L-N	L-G	N-G	L-L	In	SCCR	MCOV
120/240 Split Phase (<300kA)	700	700	700	1200	20kA	100kA	150
120/240 Split Phase (=>300kA)	700	600	600	1000	20kA	100kA	150
120/208Y 3Ø Wye (<300kA)	700	700	700	1200	20kA	200kA	150
120/208Y 3Ø Wye (=>300kA)	700	600	600	1000	20kA	200kA	150
120/240Y B High Leg Delta	700/1200	700/1200	700	1800	20kA	200kA	150/320
277/480Y 3Ø Wye (<300kA)	1200	1200	1200	2000	20kA	200kA	320
277/480Y 3Ø Wye (=>300kA)	1200	1000	1000	1800	20kA	200kA	320
480V 3Ø Delta (<300kA)	N/A	1800	N/A	1800	10kA	200kA	550
480V 3Ø Delta (=>450kA)	N/A	1800	N/A	1800	20kA	200kA	550
347/600Y 3Ø Wye (<300kA)	1500	1500	1500	2500	10kA	200kA	420
347/600Y 3Ø Wye (=>300kA)	1500	1500	1500	2500	20kA	200kA	420

Model No.	System Voltage & Configuration	FG200	FG400
FGxxx-120/240S	120/240 volt split phase	Y	Y
FGxxx-120/208Y	120/208 volt 3 phase wye	Y	Y
FGxxx-220/380Y	220/380 volt 3 phase wye	Y	Y
FGxxx-240/415Y	240/415 volt 3 phase wye	Y	Y
FGxxx-277/480Y	277/480 volt 3 phase wye	Y	Y
FGxxx-347/600Y	347//600 volt 3 phase wye	Y	Y
FGxxx-120/240H	120/240 high leg delta*	Y	Y
FGxxx-240-3D	240 volt 3 phase delta	Y	Y
FGxxx-480-3D	480 volt 3 phase delta	Y	Y
FGxxx-600-3D	600 volt 3 phase delta	Y	NA
FGxxx-240-3PGD	240 volt 3 phase grounded delta**	Y	Y
FGxxx-480-3PGD	480 volt 3 phase grounded delta**	Y	Y
FGxxx-600-3PGD	600 volt 3 phase grounded delta**	Y	NA

<b>Option X</b>	Surge Counter
<b>Option D</b>	Internal Disconnect
<b>Option 50</b>	50 Hertz Application
<b>Accessory RM</b>	Remote Monitor

Replace xxx with: 200=200kA surge capacity per phase; 400=400kA surge capacity per phase

\* Center phase ground delta

\*\* Corner grounded delta