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Type 2 Surge Protective Devices						
V/Phase Cat. No.	Max Surge Current Per Mode (Per Phase)	Nominal Discharge Current ( $I_N$ )	Replaceable Modules	NEMA Enclosure	Surge Counter	Noise Filtering
<b>120/208V, Three-Phase WYE</b>						
75120-7M3	320kA (640kA)	10kA	Yes	Type 12	Yes	Yes
74120-7M3	200kA (400kA)	10kA	Yes	Type 12	Yes	Yes
47120-7	200kA (400kA)	10kA	No	Type 1	No	Yes
47120-4X7	200kA (400kA)	10kA	No	Type 4X	No	Yes
57120-M3	150kA (150kA)	20kA	Yes	Type 12	No	Yes
57120-CM3	150kA (150kA)	20kA	Yes	Type 12	Yes	Yes
52120-7MS	100kA (200kA)	20kA	Yes	Type 12	No	Yes
52120-7CS	100kA (200kA)	20kA	Yes	Type 12	Yes	Yes
52120-7M3	100kA (200kA)	20kA	Yes	Type 12	No	Yes
52120-7C3	100kA (200kA)	20kA	Yes	Type 12	Yes	Yes
52120-M3	100kA (100kA)	20kA	Yes	Type 12	No	Yes
52120-CM3	100kA (100kA)	20kA	Yes	Type 12	Yes	Yes
37120-7	100kA (200kA)	5kA	No	Type 1	No	Yes
51120-3	50kA (50kA)	3kA	No	Type 1	No	Yes
<b>120/208V, Three-Phase WYE or 208V, Three-Phase Delta or 220V, Three-Phase Delta</b>						
32120-DY3	80kA (80kA)	3kA	No	Type 3R	No	Yes
42120-DY3	80kA (80kA)	3kA	No	Type 3R	No	Yes
<b>120/240/120V, Three-Phase Hi-leg Split Phase Delta</b>						
52412-DS3	100kA (100kA)	20kA	Yes	Type 12	No	Yes
32412-DS3	80kA (80kA)	3kA	No	Type 3R	No	Yes
42412-DS3	80kA (80kA)	3kA	No	Type 3R	No	Yes
<b>220/380V, Three-Phase WYE or 277/480V, Three-Phase WYE or 240V, Three-Phase Delta or 480V, Three-Phase Delta</b>						
32277-DY3	80kA (80kA)	3kA	No	Type 3R	No	Yes
42277-DY3	80kA (80kA)	3kA	No	Type 3R	No	Yes
<b>240V, Three-Phase Delta</b>						
57240-DM3	150kA (150kA)	20kA	Yes	Type 12	No	Yes
52240-DM3	100kA (100kA)	20kA	Yes	Type 12	No	Yes
<b>277/480V, Three-Phase WYE</b>						
75277-7M3	320kA (640kA)	10kA	Yes	Type 12	Yes	Yes
74277-7M3	200kA (400kA)	10kA	Yes	Type 12	Yes	Yes
47277-7	200kA (400kA)	10kA	No	Type 1	No	Yes
47277-4X7	200kA (400kA)	10kA	No	Type 4X	No	Yes
57277-M3	150kA (150kA)	20kA	Yes	Type 12	No	Yes
57277-CM3	150kA (150kA)	20kA	Yes	Type 12	Yes	Yes
52277-7MS	100kA (200kA)	20kA	Yes	Type 12	No	Yes
52277-7CS	100kA (200kA)	20kA	Yes	Type 12	Yes	Yes
52277-7M3	100kA (200kA)	20kA	Yes	Type 12	No	Yes
52277-7C3	100kA (200kA)	20kA	Yes	Type 12	Yes	Yes
52277-M3	100kA (100kA)	20kA	Yes	Type 12	No	Yes
52277-CM3	100kA (100kA)	20kA	Yes	Type 12	Yes	Yes
37277-7	100kA (200kA)	5kA	No	Type 1	No	Yes
<b>480V, Three-Phase Delta</b>						
57480-DM3	150kA (150kA)	20kA	Yes	Type 12	No	Yes
52480-DM3	100kA (100kA)	20kA	Yes	Type 12	No	Yes
<b>347/600V, Three-Phase WYE or 600V, Three-Phase Delta</b>						
32347-DY3	80kA (80kA)	---	No	Type 3R	No	Yes
42347-DY3	80kA (80kA)	---	No	Type 3R	No	Yes
<b>347/600V, Three-Phase WYE</b>						
57347-M3	150kA (150kA)	---	Yes	Type 12	No	Yes
<b>600V, Three-Phase Delta</b>						
57600-DM3	150kA (150kA)	---	Yes	Type 12	No	Yes

N/A: Not applicable as these units do not have line-to-ground (L-G) surge protection

## SURGE PANELS | 32000 and 42000 Series

### 32000 and 42000 Series Type 2 Surge Panels

One of our most popular series, Leviton's 32000 and 42000 surge protection panels provide protection for up to 80kA of surge current per mode. They feature noise filtering, visual and audible indication of surge protection status and dry contacts for remote monitoring, all in a compact enclosure.

#### Features and Benefits

##### 32000 and 42000 Series Panel Mount Surge Protective Devices

- 32000 Series features reduced noise filtering for optimum compatibility with Leviton's Decora Home Control® and X10 communication network devices
- 42000 Series incorporates enhanced noise filtering and sine wave tracking for superior protection
- Three-phase models can be wired for either WYE or Delta AC systems
- Equipped with indicator lights and audible alarm for monitoring power and surge suppression status
- NEMA Type 3R enclosure for indoor/outdoor applications
- Optional flush mount collar available (42001-FMC)
- Limited lifetime product warranty



42120-1 with 42001-FMC  
Flush Mount Collar



42120-1

#### 32000 and 42000 Series Type 2 Surge Panels

Cat. No.	Description	Voltage (VAC) Configuration	Max Surge Current, Per Mode (Per Phase)
32120-1	4-Mode Surge Protection Panel	120/240 Single-phase, 2-wire + gnd	80kA (80kA)
32120-DY3	7-Mode Surge Protection Panel	120/208 3Ø WYE, 4-wire + gnd; 208 3Ø Delta, 3-wire + gnd; 220 3Ø Delta, 3-wire + gnd	80kA (80kA)
32277-DY3	7-Mode Surge Protection Panel	220/380 3Ø WYE, 4-wire + gnd; 277/480 3Ø WYE, 4-wire + gnd; 240 3Ø Delta, 3-wire + gnd; 480 3Ø Delta, 3-wire + gnd	80kA (80kA)
32412-DS3	7-Mode Surge Protection Panel	120/240/120 3Ø Hi-leg Split Phase Delta, 4-wire + gnd	80kA (80kA)
42120-1	4-Mode Surge Protection Panel	120/240 Single-phase, 2-wire + gnd	80kA (80kA)
42120-DY3	7-Mode Surge Protection Panel	120/208 3Ø WYE, 4-wire + gnd; 208 3Ø Delta, 3-wire + gnd; 220 3Ø Delta, 3-wire + gnd	80kA (80kA)
42277-DY3	7-Mode Surge Protection Panel	220/380 3Ø WYE, 4-wire + gnd; 277/480 3Ø WYE, 4-wire + gnd; 240 3Ø Delta, 3-wire + gnd; 480 3Ø Delta, 3-wire + gnd	80kA (80kA)
42412-DS3	7-Mode Surge Protection Panel	120/240/120 3Ø Hi-leg Split Phase Delta, 4-wire + gnd	80kA (80kA)
32347-DY3	4-mode Surge Protection Panel	347/600 3Ø WYE, 4-wire + gnd or 3Ø Delta, 3-wire + gnd	80kA (80kA)
42347-DY3	4-mode Surge Protection Panel	347/600 3Ø WYE, 4-wire + gnd or 3Ø Delta, 3-wire + gnd	80kA (80kA)
42001-FMC	Flush Mount Collar for all 32000 and 42000 Series Panels	—	—

## SURGE PANELS | 32000/42000, 51120 and 51120-3

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### Specifications for 32000/42000, 51120-1 and 51120-3 Type 2 Surge Panels

Cat. No.	51120-1	51120-3	32120-1 42120-1	32120-DY3 42120-DY3	32277-DY3 42277-DY3	32412-DS3 42412-DS3	32347-DY3 42347-DY3		
<b>Electrical Specifications</b>									
Voltage	120/240VAC Single phase	120/208VAC 3-phase WYE	120/240VAC Single phase	120/208V 3Ø WYE	277/408V 3Ø WYE	120/240/120V 3Ø Hi-Leg Delta	347/600V 3Ø WYE, 660V 3Ø Delta		
Surge Technology	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV	40mm MOV		
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz		
Recommended Circuit Breaker Rating	20A, 120/24V	20A, 120/208V	20A, 120/240V	30A, 120/208V	30A, 277/480V	30A, 120/240V	30A, 347/600V		
<b>Performance Data</b>									
Maximum Continuous Operating Voltage (MCOV)	L-N	150V	150V	150V	150V	320V	150V	385V	
	L-G	—	—	300V	300V	640V	300V	—	
	N-G	—	—	150V	150V	320V	150V	—	
	L-L	300V	300V	254V	254V	552V	254V	770V	
Voltage Protection Rating (VPR)	L-N	800V	800V	800V	700V	1200V	800V	1200V	
	L-G	—	—	2500V	—	—	—	—	
	N-G	—	—	700V	700V	1200V	700V	1000V**	
	L-L	1200V	1200V	1000V	1000V	1800V	1000V	2000V**	
Nominal Discharge Rating (I <sub>n</sub> )	3kA	3kA	3kA	3kA	3kA	3kA	N/A		
Maximum Surge Current, per Mode (per Phase)	50kA (50kA)	50kA (50kA)	80kA (80kA)	80kA (80kA)	80kA (80kA)	80kA (80kA)	80kA (80kA)		
Short Circuit Current Rating (SCCR)	10kA	10kA	100kA	100kA	100kA	100kA	100kA		
EMI/RFI Noise Rejection	-6dB to -28dB (@ 100kHz-100MHz)	-6dB to -28dB (@ 100kHz-100MHz)	32000 Series: -20 to -40dB (@ 1.5K-1.2MHz)					42000 Series: -30 to -40dB (@ 10K-10MHz)	
<b>Warranty</b>									
Product Warranty	Limited lifetime								
Connected Equipment Coverage	Up to \$25,000*	—							

\*As part of the True Whole House Surge Protection Warranty.

\*\*Surge Voltage Rating (SVR)

### SPOTLIGHT

#### Surge Protection

Need assistance? To learn more about how to implement an effective surge protective network have a Surge Protection Expert contact you. Visit [www.leviton.com/surge](http://www.leviton.com/surge) for more information.

