

SURGE PROTECTIVE & ISOLATED GROUND DEVICES

Surge Protection Panels Heavy-, Medium- & Light-Duty



Heavy-Duty

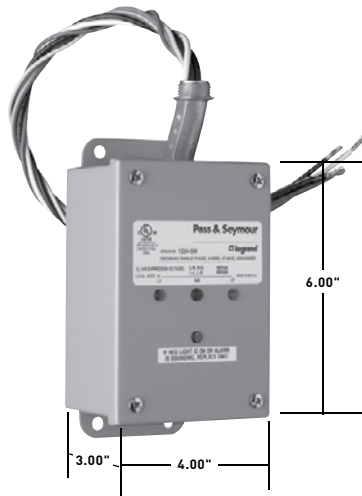
Stronger Protection That's Needed — And Required.

Our most rugged line of Surge Protection Panels deliver premise-wide protection from electrical surges caused by lightning, utility grid switching, and initial startup of electrical equipment such as motors, arc furnaces, and welders.

When surges hit, few business owners can count on insurance to cover full replacement value — and downtime can be devastating to businesses. UL Standard for Safety for Surge Protective Devices, UL1449 3rd Edition requires a higher degree of protection from panel Surge Protection units. P&S Surge Protection Panels meet the new standard, bringing greater protection to any residential, commercial, or industrial application where equipment surge protection is needed.

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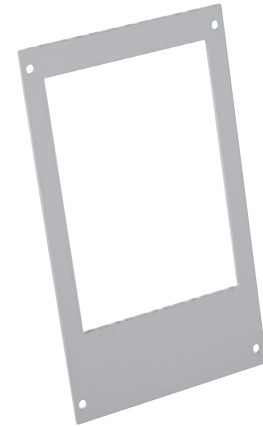
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Medium-Duty



Light-Duty



MFKIT

- **NEMA 12 enclosure** made of epoxy painted steel with gasketing, provides for indoor use protection against dust, dirt and non-corrosive liquids.
- **Audible alarm** — visible on the enclosure cover provides supplementary indication of failed surge suppression components.
- **LED visual indicators** provide a method for determining the status of the surge suppression components. Green LED is illuminated at all times while unit is functioning with no faults. A red LED will come on if any phase/mode has a fault.
- **Flanged mounting feet** are standard with the NEMA 12 enclosure.
- **Lockable rotary disconnect switch** allows for removal of electrical power in the event that servicing is required. Lockable only in the off position for increased safety.
- **Three-position test switch** allows for operational testing of indicator lights and the audible alarm. Functions are: enable/switch/test.

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CATALOG NUMBER	DESCRIPTION	NOMINAL VOLTAGE	SYSTEM APPLICATION	MAX SURGE CAPABILITY	AVAILABLE INTERRUPT CURRENT	UL 1449 VOLTAGE PROTECTION RATINGS (VPK)			
						LINE TO NEUTRAL	LINE TO GROUND	LINE TO LINE	NEUTRAL TO GROUND
1224SL	Light-Duty Surge Protection Panel	120/240 VAC	Single Phase, 3W plus Ground	40KA	42kAIC	600	N/A	1200	N/A
1224SLI				50KA	22kAIC	600	700	1000	700
1224SM	100KA			65kAIC	600	1000	1200	600	
1224SH	200KA			200kAIC	800	900	1200	700	
1224SHB	200KA			200kAIC	800	900	1200	700	
1220TWLI	Light-Duty Surge Protection Panel	120/208 VAC	Three Phase, Wye, 4W plus Ground	100KA	22kAIC	600	700	1000	700
1220TWM	Medium-Duty Surge Protection Panel			100KA	65kAIC	600	1000	1200	600
1220TWH	Heavy-Duty Surge Protection Panel			200KA	200kAIC	800	900	1200	700
1220TWHB				200KA	200kAIC	800	900	1200	700
1220TWES	Surge Protection Panel Extension			200KA	200kAIC	800	800	1000	700
1220TWH4B	Heavy-Duty Surge Protection Panel			400KA	200kAIC	800	900	1200	700
2748TWLI	Light-Duty Surge Protection Panel	277/480 VAC	Three Phase, Wye, 4W plus Ground	100KA	22kAIC	1200	1200	2000	1200
2748TWM	Medium-Duty Surge Protection Panel			100KA	65kAIC	1000	1800	2000	1000
2748TWH	Heavy-Duty Surge Protection Panel			200KA	200kAIC	1200	1200	2000	1000
2748TWHB				200KA	200kAIC	1200	1200	2000	1000
2748TWH4B				400KA	200kAIC	1200	1200	2000	1000
				400KA	200kAIC	1200	1200	2000	1000
480TDH	Heavy-Duty Surge Protection Panel	480 VAC	Three Phase, Delta, 3W plus Ground	200KA	200kAIC	N/A	1800	3000	N/A
240TDM	Medium-Duty Surge Protection Panel	120/240 VAC	Three Phase, Delta, High Leg, 4W plus Ground	100KA	65kAIC	A-N,C-N: 600		B-N: 1200	
						A-G,C-G: 1000		B-G: 1500	
						N-G: 600		A-B: 1500	
						A-C: 1200		B-C: 1500	
MFKIT	Allows for flush mounting of Catalog Numbers 1224SM, 1220TWM, 2748TWM, 240TDM.								

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VISUAL INDICATORS		AUDIO ALARM	ALARM DISABLE SWITCH	TEST SWITCH	FORM C CONTRACT	EMI/RFI FILTERING	ROTARY DISCONNECT	CONNECTION MEANS		TRANSFORMER CONFIGURATIONS
RED	GREEN							TYPE	GAUGE	
0	2							Wire	#10	
0	1				X			Wire	#12	
1	2	X			X			Wire	#12	
1	1	X	X	X	X	X	X	Screw Terminal	#4 - #8	
1	1	X	X	X	X	X		Screw Terminal	#10 - #4	
1	1				X			Wire	#12	
1	3	X			X			Wire	#12	
1	1	X	X	X	X	X	X	Screw Terminal	#4 - #8	
1	1	X	X	X	X	X		Screw Terminal	#10 - #4	
1	1	X	X		X	X		Terminal Block	#4 - #10	
1	1	X	X	X	X	X		Screw Terminal	#10 - #4	
0	1				X			Wire	#12	
1	3	X			X			Wire	#12	
1	1	X	X	X	X	X	X	Screw Terminal	#4 - #8	
1	1	X	X	X	X	X		Screw Terminal	#10 - #4	
1	1	X	X	X	X	X		Screw Terminal	#10 - #4	
1	1	X	X	X	X	X	X	Screw Terminal	#1/0 - #8	
1	3	X			X			Wire	#12	