



D120

**120kA/Φ, 60kA/Mode Surge Protector
General Product Specifications**

DITEK's D120 industrial surge protectors are designed to provide robust electrical system protection in the most demanding environments. The D120 incorporates noise filtration and individually fused components for maximum performance and protection. Available in a wide range of voltage configurations and offering a variety of options, the D120 is an excellent choice for electrical panel protection.



D120

Application Features

- Suitable for use on service entrance, distribution, and branch panels
- EMI/RFI filtering protects sensitive industrial, and commercial equipment
- Modular design allows surge protection replacement, if needed, without dismounting the panel
- Compact size enables close mounting to the protected panel to minimize wire length and maximize performance
- 120,000 Amp peak surge current capacity ensures long service life
- Available in 9 voltage configurations
- Diagnostic LEDs, one per phase, audible alarm with enable/disable switch, and surge counter indicate system power and SPD function.

Product Features

- Agency Approvals:** UL 1449 2nd Edition 2007, cUL, CSA C22.2
- IEEE Location Category:** Category A, B and C
- Suppressor Type:** Parallel configuration, external mount
- Peak Surge Current:** 120,000A/Phase, 60,000A/Mode
- Short Circuit Current Rating:** 200,000A
- Protection Modes:** All Modes – L-G, L-N, L-L, N-G (Single Phase and Wye configurations), L-L (Delta)
- EMI/RFI Filtering:** -50dB (Wye), -20dB (Delta)
- Response Time:** <1ns
- Operating Frequency:** 50Hz – 400Hz
- Temperature Range:** -40° – 160°F (-40° – 70°C)
- Weight:** 8.75lb. (4kg)
(NEMA 3R/12 26.3lb; with disconnect 34.0lb.)
- Housing:** NEMA 1 Steel
- Options:** NEMA 3R/12 enclosure, integral disconnect, remote monitor
- Warranty:** Ten Year Limited Warranty





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D120 Surge Protection

Dimensions:

12.5"H x 11.25"W x 3.9"D
(318mm x 286mm x 99mm)

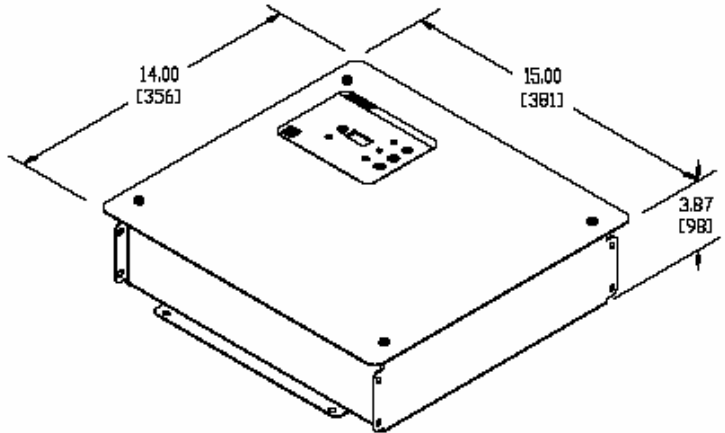
Option Codes:

- R: NEMA 3R/12 Enclosure
- RD: NEMA 3R/12 Enclosure with Disconnect
- RM: Remote Monitor

Ordering Example:

D120-120/2083Y-RM: D120 for three phase Wye 4W+G, 120/208V system with remote monitor

NEMA 1



Technical Specifications

D120-	Voltage Configuration	MCOV	UL 1449, 2 nd Edition S.V.R.			
			L-N	L-G	N-G	L-L
120/2401	120/240VAC Split Φ	150V	500V	500V	500V	800V
120/2083Y	120/208VAC Three Φ Wye	150V	500V	500V	500V	800V
120/240HL	120/240VAC Three Φ Hi Leg Δ	150V/320V	500V/ 800V	600V/ 900V	500V	900V
220/3803Y	220/380VAC Three Φ Wye	320V	900V	1200V	1200V	1800V
277/4803Y	277/480VAC Three Φ Wye	320V	900V	1200V	1200V	1800V
347/6003Y	347/600VAC Three Φ Wye	420V	1200V	1500V	1500V	2500V
2403D	240VAC Three Φ Delta	300V	N/A	N/A	N/A	700V
4803D	480VAC Three Φ Delta	640V	N/A	N/A	N/A	1800V
6003D	600VAC Three Φ Delta	780V	N/A	N/A	N/A	2500V

