

DynaShield®

ADSc Series



Product Description

The DynaShield® ADSc Series SPD is a high performance surge protection device designed to protect critical panels such as main service entrance, distribution equipment, branch panels and motor control centers. The ADSc incorporates high-energy MOVs with the best performing EMI filter on the market to provide protection against transients originating from induced lightning strikes, utility switching and facility power noise.

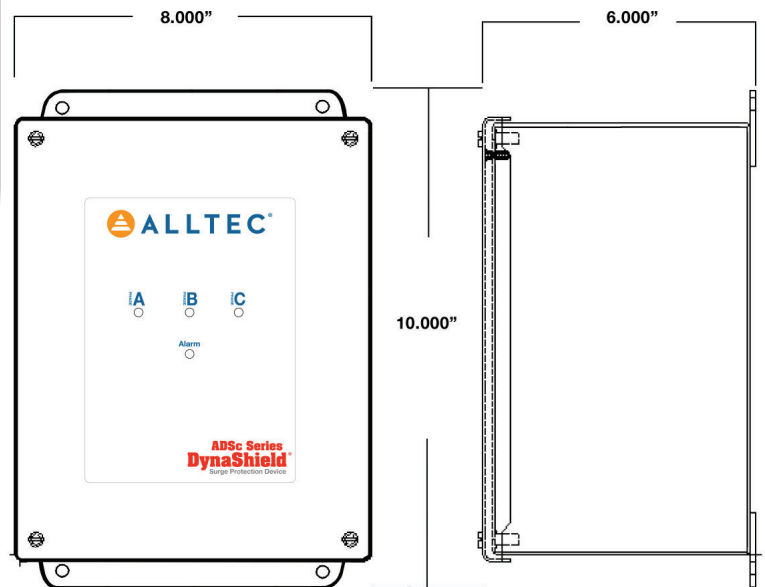
The ADSc has real-time diagnostics including LED fault indicators for each phase of protection as well as an optional audible alarm. This SPD is available for all voltages and configuration up to 600V and is housed in a rugged NEMA 12 enclosure, most suitable for indoor applications.

DynaShield® ADSc products are listed to UL1449 4th edition and are backed by a 10 year standard warranty.

FEATURES

- 10 modes of protection
- 200 kAIC fault current rating
- Advanced EMI/RFI noise filtering (-45 dB)
3 kHz - 1 MHz
- Optional 30 amp fuse allows direct connect to power bus
- Resettable surge counter option
- Listed to UL 1449 4th edition
- 10 year standard warranty

Dimensions

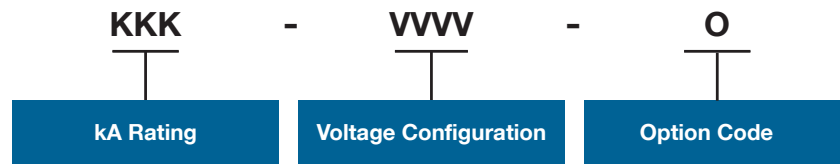


Specifications

Model	ADSc-080	ADSc-100	ADSc-200
Connection Type	Parallel Connected		
Agency Listings	Listed to UL 1449 4th edition and UL 1283		
Protection Modes	Line to Neutral, Line to Ground, Line to Line, Neutral to Ground		
Operating Frequency Range	50 - 60 Hertz		
Maximum Surge Current Rating	160 kA per phase	200 kA per phase	400 kA per phase
Response Time	< 1 nanosecond		
Status Indication	Green LED		
Enclosure Protection Level	NEMA 12, Painted Steel		
Dimensions (H x W x D)	15.50" x 12.00" x 6.20" (Optional 10.00"x8.00"x6.00")		
Weight (Maximum)	25 lbs		
Wire Connections	Stranded #10 AWG		
Wire Lead Length	36 inch		
Operating Temperature	-40°C to + 65°C (-40°F to +140°F)		
Operating Humidity	5% to 95% non condensing		

Selection Chart

Part Number: ADSc



Model Selection Example

Part Number	Service Voltage	MCOV	Voltage Protection Rating (VPR)			
			L-N	L-G	N-G	L-L
ADSc-080-120S	120 V Single Phase	150 Vac	700 V	700 V	700 V	-
ADSc-080-120T	120/240 V Split Phase	150 Vac	700 V	700 V	700 V	-
ADSc-080-120W	120/208 V 3 Phase Wye	150 Vac	700 V	700 V	700 V	1000 V
ADSc-080-127W	127/220 V 3 Phase Wye	150 Vac	700 V	700 V	700 V	1000 V
ADSc-080-240S	240 V Single Phase	320 Vac	1000 V	1000 V	1000 V	-
ADSc-080-220W	220/380 V 3 Phase Wye	320 Vac	1000 V	1000 V	1000 V	-
ADSc-080-240D	240 V 3 Phase Delta	320 Vac	-	1000 V	-	1800 V
ADSc-080-240W	240/415 V 3 Phase Wye	320 Vac	1000 V	1000 V	1000 V	1800 V
ADSc-080-240H	240 V High Leg 3 Phase	150/320 Vac	700/1000 V	-	700 V	-
ADSc-080-480W	277/480 V 3 Phase Wye	320 Vac	1000 V	1000 V	1000 V	1800 V
ADSc-080-480D	480 V 3 Phase Delta	600 Vac	-	1800 V	-	3000 V
ADSc-080-600W	347/600 V 3 Phase Wye	522 Vac	1000 V	1000 V	1000 V	1800 V
ADSc-080-600D	600 V 3 Phase Delta	900 Vac	-	2100 V	-	2100 V

*Contact your local rep for assistance in surge device selection