

Citel SurgeGuard 150



Citel's SurgeGuard 150 model provides surge suppression for all ANSI/IEEE categories and is recommended for Service Entrance, Distribution Panel and Sub-panel applications. With its small size and large surge current handling capacity, its ideal for use in the most critical environments. The system utilizes replaceable modules by phase with each module utilizing individually fused MOV's for safe reliable operation. When down time is not an option, utilize Citel's SurgeGuard 150 for your most mission critical applications.

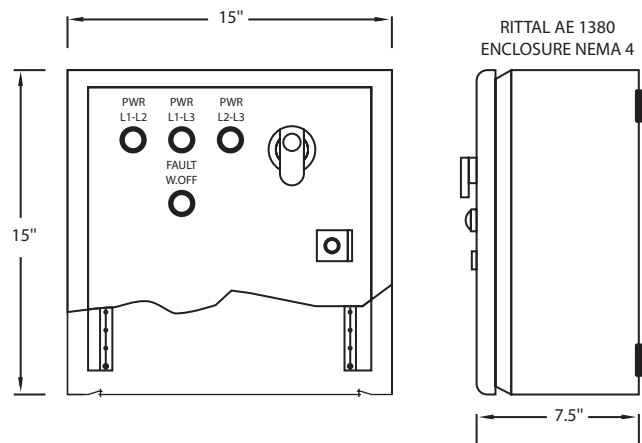
Features and Benefits

- 140kA repetitive surge current protection per mode, 280kA per phase
- Individually fused MOV's provide for safe and reliable operation
- Replaceable modules by phase
- N-G protection option is available
- True individual component monitoring on each module
- UL1449 2nd Edition approved along with all European approvals
- NEMA 12 metal enclosure standard
- LED indicators on panel door for power and fault condition
- Audible Alarm, Integral Fused Disconnect and Dry Contact options available
- Available as a pre-wired sub panel for Switchgear, VFD, MCC and OEM applications

Applications

- Service entrance, distribution panels and branch panels
- Sensitive electrical panels
- Critical variable frequency drive applications
- Microprocessor based equipment protection such as UPS, MRI, industrial automation, process cabinets, cellular towers and telecommunications equipment

Dimensions (in inches)



Performance

Max Surge Current:	140kA/mode, 280kA/phase
Technology:	MOV based
Protection Modes:	L-N, L-L, N-G optional
Response Time:	< 5 nano seconds
Lead Length:	< 4 feet from voltage source

Mechanical Description

Status alarm:	LED on front of enclosure
Operating temperature:	-40 to +85 C
Housing material:	Metal
Enclosure Rating:	NEMA 12
Approvals:	UL1449 2 nd Edition, IEC
Terminal Capacity:	#6 wire maximum
Connection Method:	Parallel

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SurgeGuard 150 Selection Guide and Electrical Specifications

SurgeGuard Model #'s	System Configuration System	Voltage	Protection Modes
EDS150E-120/240-SP	Split Phase 3 wire + ground	120/240 VAC	L-N, L-L
EDS150E-120/208-3Y	3 Phase Wye 4 wire + ground	120/208 VAC	L-N, L-L
EDS150E-240D	3 Phase Delta 3 wire + ground	240 VAC	L-G, L-L
EDS150E-277/480-3Y	3 Phase Wye 4 wire + ground	277/480 VAC	L-N, L-L
EDS150E-480D	3 Phase Delta 3 wire + ground	480 VAC	L-L, L-G
EDS150E-347/600-3Y	3 Phase Wye 4 wire + ground	347/600 VAC	L-N, L-L

Please consult factory for other available voltages.

Available Options	Part # Suffix
Audible Alarm	A
Dry Contacts	B
Integral Fused Disconnect	D
Neutral to Ground Module Option	G

Please consult factory for other options.

Model Selection Guide

