

NEMA 3R Outdoor Surge Arresters

55000 Series Surge Protective Devices - Type 1

With LED indicators and Audible Alarm

UL 1449
3rd Edition
Compliant



Leviton's Type 1 Surge Arresters offer power users a way to reliably and economically help protect against lightning strikes entering into electrical equipment such as farming irrigation systems and pumps used in oil/petrochemical applications. They can also be used to protect against external transient surges entering through a home's service entrance. These devices offer a quick, cost effective turnkey solution to the problem of transient voltage surges causing malfunctions in pumps and motor appliance systems.

Features and Benefits

- Use of a single, large 40 mm MOV per line (each phase-to-neutral) provides a higher energy capacity than multiple small MOV configurations where the protection is only as good as the weakest MOV in the chain
- Surge Arrester performance tested to ANSI/IEEE C62.11 (10,000 AMPS/4x10 μ S), C62.41 and C62.45 Category C standards (NEC Article 285) and Meets UL 1449 3rd Edition Type 1 Device, listed ETL
- May also be used in a Type 2 application (NEC Article 285.23)
- Rated for 50kA maximum surge current per mode
- Nominal clamping voltage per line: 800V pK at 120V nominal; 1100V pK at 480V nominal
- Real-time Diagnostic LED's monitor power and suppression status for each phase:
 - Green LED illuminated indicates surge protection is active
 - Green LED off indicates surge protection is compromised
 - When fault occurs (Red LED illuminates and Audible Alarm active) replace unit
- Rugged housing constructed of high-impact, non-conductive fiberglass-reinforced polycarbonate rated for outdoor use
- Provided with #10 AWG stranded, 18 in. long pigtail leads
- Limited Lifetime Product Warranty
- Connected equipment coverage up to \$10,000 for the 55240-ASA*

* As part of the True Whole House Surge Protection Warranty

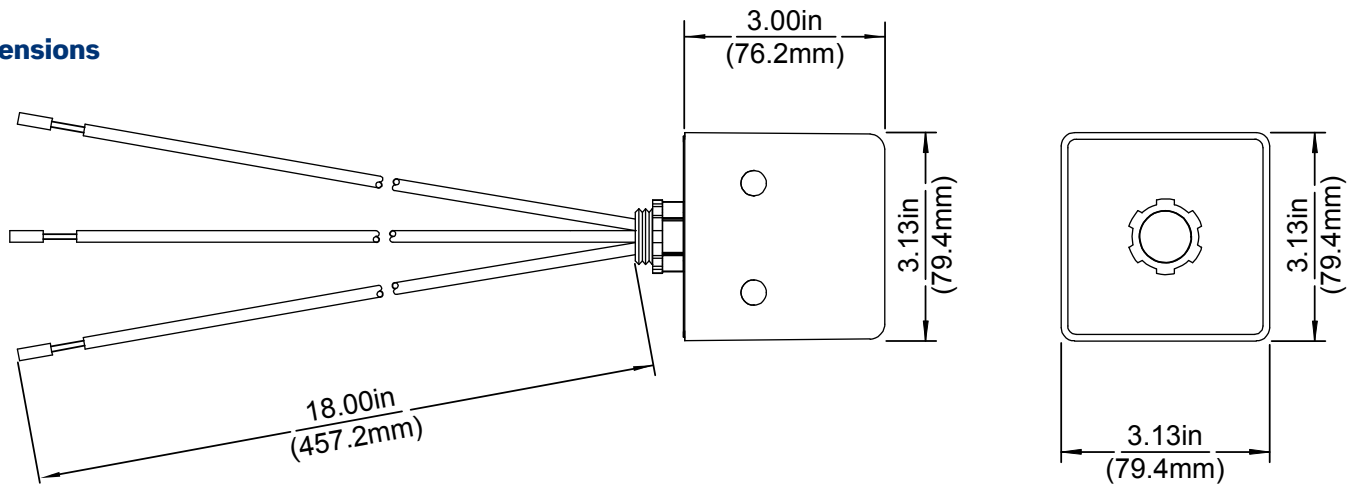
Specifications

Material Specification		
Enclosure	Polycarbonate with UV Inhibitors	
Mechanical Specifications		
Enclosure Type	NEMA 3R	
Connection Type	Parallel Connection: Hardwired via 10AWG wire	
Diagnostics	Protection Status LEDs & Audible Alarm	
Performance Data		
Leviton Cat. No.	55240-ASA & 55208-ASA	55480-ASA
Maximum Continuous Operating Voltage (MCOV)	150V	320V
Nominal Discharge Rating (In)	20kA	20kA
Maximum Surge Current, Per Mode	50kA	50kA
Voltage Protection Rating (VPR) (Clamping) L-N/L-L	600V/800V	800V/700V

Ordering Information

Description	Cat. No.
Single Phase 120/240V Type 1 Surge Arrester	55240-ASA
3Ø 120/208V WYE or 3Ø 240V Delta Type 1 Surge Arrester	55208-ASA
3Ø 277/480V WYE or 3Ø 480V Delta Type 1 Surge Arrester	55480-ASA

Dimensions



Electrical Specifications			
Cat. No.	55240-ASA	55208-ASA	55480-ASA
Voltage	120/240V Single Phase	120/208V 3Ø WYE, 240V 3Ø Delta	277/480V 3Ø WYE, 480V 3Ø Delta
Frequency	50/60Hz	50/60Hz	50/60Hz
Surge Technology	TPMOV	TPMOV	TPMOV
Environmental Specifications			
Flammability	Rated V-2 per UL 94		
Operating	-10°C to 60°C		
Storage Temperature	-20°C to 85°C		
Standards & Certifications			
ETL Certified	UL 1449 3rd Ed. Type 1 Device		
National Electric Code (NEC)	285		
ANSI/IEEE Category C	C-62.11, C-62.41 & C-62.45		
Warranty	Limited Lifetime		
Connected Equipment Coverage for 55240-ASA	Up to \$10,000*		

* As part of the True Whole House Surge Protection Warranty

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