

Type 2 Panel Mounted Surge Protective Devices (SPDs)

UL 1449
3rd Edition
Compliant

47000 Series For Industrial and Commercial Applications



Leviton's 47000 Series panel mounted surge protective devices provide seven-mode protection in 120/208V and 277/480V WYE-configured, 3-phase systems. These devices are available in either NEMA Type 1 or Type 4X enclosures for use in either indoor or outdoor locations. The 47000 Series devices feature a maximum surge current rating of 200kA per mode for enhanced surge protection.

Features and Benefits

- Protection for up to 200,000 amps of surge current per mode
- Designed for use where a multi-phase, transient voltage surge suppressor is specified
- Seven-Mode Protection (each phase to neutral, each phase to ground and neutral to ground) for WYE-configured, 3-phase AC systems
- NEMA Type 1 enclosure is ideal for indoor use
- NEMA Type 4X enclosure is ideal for outdoor installation, including utility kWh meters
- Real-time diagnostics monitor power and suppression status for each phase and provide both LED indicators and audible alarm
- Equipped with dry contacts for remote monitoring
- Limited Lifetime Warranty
- UL 1449 3rd Edition Listed



Specifications

| Electrical Specifications | 47120-7 | 47120-4X7 | 47277-7 | 47277-4X7 |
|---|--|--------------|----------------------------|--------------|
| Voltage | 120/208 VAC 3-phase WYE | | 277/480 VAC 3-phase WYE | |
| Frequency | 50/60Hz | | | |
| Surge Technology | 40mm MOV | | | |
| Performance Data | | | | |
| Nominal Discharge Rating (I _n) | 10kA | | | |
| Maximum Continuous Operating Voltage (MCOV) | L-L | 280 | 640 | |
| | L-N | 140 | 320 | |
| | L-G | 140 | 320 | |
| | N-G | 130 | 300 | |
| Voltage Protection Rating (VPR) (Clamping) | L-L | 1000 | 1800 | |
| | L-N | 700 | 1200 | |
| | L-G | 900 | 1500 | |
| | N-G | 700 | 1200 | |
| Maximum Surge Current Per Mode | 200kA | | | |
| Short Circuit Current Rating (SCCR) | 10kA | | | |
| Noise Filtering | -40dB @ 10K - 10MHz | | | |
| Diagnostics | Real Time Protection status LEDs & Audible Alarm | | | |
| Material Specifications | | | | |
| Enclosure | Metal | Fiberglass | Metal | Fiberglass |
| Environmental Specifications | | | | |
| Enclosure Rating | NEMA Type 1 | NEMA Type 4x | NEMA Type 1 | NEMA Type 4x |
| Operating Temperature | -10°C to 60°C | | | |
| Storage Temperature | -20°C to 85°C | | | |
| Standards and Certifications | | | | |
| UL 1449 3rd Ed | cULus Listed Type 2 | | | |
| ANSI/IEEE Category A, B & C | C-62.41 & C-62.45 | | | |
| Warranty | Limited Lifetime | | | |
| Mechanical Specifications | | | | |
| Connection Type | Hardwire Using Terminal Block: Accepts up to #6 AWG wire | | | |

Ordering Information

| Description | Cat. No. |
|--|-----------|
| 120/208 VAC 3-phase WYE, NEMA 1 enclosure | 47120-007 |
| 120/208 VAC 3-phase WYE, NEMA 4X enclosure | 47120-4X7 |
| 277/480 VAC 3-phase WYE, NEMA 1 enclosure | 47277-007 |
| 277/480 VAC 3-phase WYE, NEMA 4X enclosure | 47277-4X7 |

Leviton Manufacturing Co., Inc.

201 N Service Rd, Melville, NY 11747
 Telephone: 1-800-323-8920 • Fax: 1-800-832-9538
 Tech Line (8:30AM-7:00PM E.S.T. Monday-Friday): 1-800-824-3005

Leviton Manufacturing of Canada, Ltd.

165 Hymus Blvd, Pointe-Claire, QC H9R 1E9
 Telephone: 1-800-469-7890 • Fax: 1-800-563-1853

Leviton Middle East, Ltd.

J/Alf Free Zone, View 19 7th Floor, Office 701 • PO Box 262742 Dubai, UAE
 Telephone: +971 4 886 4722 • Fax: +971 4 886 4723

Leviton S. de R.L. de C.V.

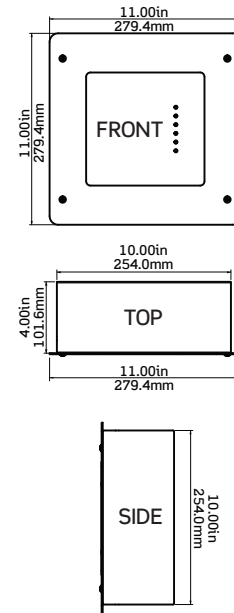
Lago Tana 43, Col. Huichapan, Miguel Hidalgo, CP 11290 México DF
 Telephone: (+52) 55-5082-1040 • Fax: (+52) 55-5386-1797 • www.leviton.com.mx

Visit our Website at: www.leviton.com/industrial email: industrial@leviton.com

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Dimensions

Typical for 47120-7 & 47277-7



Typical for 47120-4X7 & 47277-4X7

