



**Features:**

- UL 1449 Fourth Edition listed
- 100kA, 200kA and 300kA per phase ratings
- 20kA Inominal (I<sub>n</sub>)
- 200kA SCCRs
- Enhanced EMI/RFI filtering
- UL 96A Lightning Protection Master Label compliant
- All MOV suppression elements monitored
- All modes of protection
- 10-year limited warranty

**Performance Specifications**

UL 1449 Fourth Edition tested Inominal (I <sub>n</sub> ): 20kA
UL 1449 Fourth Edition tested SCCR: 200kA
Includes enhanced EMI/RFI filtering up to -50dB from 10kHz to 100MHz
Repetitive impulse: 10,000 hits
Less than 1 nanosecond response time

**Physical Specifications**

Relative humidity range: 0 - 95% non-condensing
Operating frequency: 47 - 63Hz
Operating temperature: -35° C (-31° F) to +85° C (185° F)
Weight: 4.5 lbs (2.1 kg)
NEMA 4X polycarbonate enclosure
Dimensions: 9.6 x 4.9 x 4.0 in. (244 x 124 x 102 mm.)
Lug size: #12 - #10 AWG
Includes 12 in. long ½ in. flexible conduit and connector
Typical connection: #10 AWG and 30A breaker

**Design Attributes**

Designed, manufactured and tested consistent with: <ul style="list-style-type: none"> <li>- ANSI/IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002, C62.62-2010, C62.72-2016, IEEE SA 1100-2005 (Emerald Book)</li> <li>- NEC® Article 242</li> <li>- NEC® Articles 620.51(E), 645.18, 670.6, 695.15, 700.8 and 708 requiring SPDs</li> <li>- UL 96A and NFPA 780 lightning protection</li> </ul>
High energy parallel design rated for service entrance applications
For external mounting on electrical distribution equipment, switchgear, switchboards, motor control centers, panelboards, transfer switches
Individually fused and thermally protected MOVs
Solid state bidirectional operation

**Diagnostic Monitoring**

100% monitoring – every MOV is monitored, including N-G
Green LED status indicator per phase
Red LED service indicator
Audible alarm with silence button
Test function: toggles red service LED, audible alarm and dry contact
N-G overvoltage detection
Phase monitoring (toggles LED and dry contacts)
Form C dry contacts, 24V, 2A
Surge counter, six-digit LCD, with test function, reset and no-maintenance eeprom memory

**Quality, Standards and Validation**

10-year limited warranty
UL 1449 Fourth Edition, CSA C22.2 No. 269.2, UL 1283
UL file: VZCA.E324279 at www.UL.com
RoHS-compliant
Operational test performed before shipment
ISO 9001:2015 quality management system

## Model 440 Ordering Options

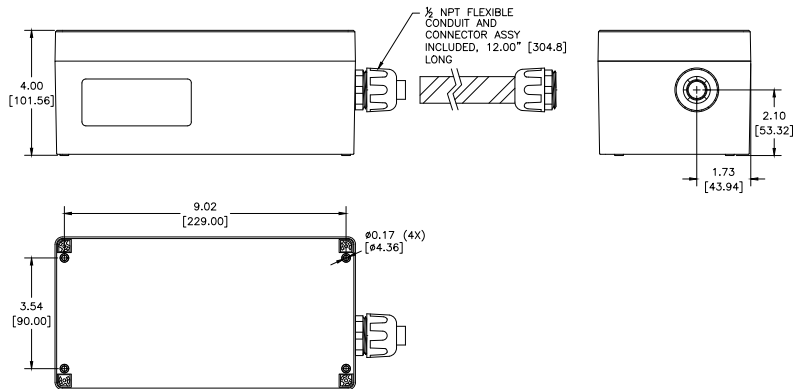
Voltage	Surge Current Rating	Catalog Number	UL 1449 Test Data						
			Voltage Protection Rating (VPR)				I <sub>n</sub>	SCCR	MCOV
			L-N	L-G	N-G	L-L			
120/240V, 1Ø, 3W+G, Split [1][5]	300kA	440120SP30ACCJ20	800	800	800	1200	20kA	100kA	180
208Y/120V, 3Ø, 4W+G, Wye [2][5]	200kA	440120YP20ACCJ20	800	800	800	1200	20kA	200kA	180
	300kA	440120YP30ACCJ20							
240/120V, 3Ø, 4W+G, HLD[6]	300kA	440240HP30ACCJ10	800/1200	800/1200	800	1200/1200	20kA	200kA	180/360
480Y/277V, 3Ø, 4W+G, Wye [3][5]	200kA	440277YP20ACCJ20	1200	1200	1200	1800	20kA	200kA	320
	300kA	440277YP30ACCJ20							
480V, 3Ø, 3W+G, Delta [4]	300kA	440480DP30ACCJ20	-	1800	-	2000	20kA	200kA	550

- [1] 120/240V series also applies to the following voltage 127/254V  
 [2] 208Y/120V series also applies to the following voltage 220Y/127V  
 [3] 480Y/277V series also applies to the following voltages 380Y/220V, 400Y/230V and 415Y/240V  
 [4] 480V Delta series also applies to the following voltage 480Y/277V HRG  
 [5] Do not use on ungrounded systems. Systems must be solidly grounded

### Available Accessories (sold separately)

**440FMKICW**    **TVS12RMU**  
 Flush mount kit    Remote monitor

Unit Dimensions (in. / mm.)



Flush Mount Kit Dimensions (in. / mm.)

