

# PQS300 SURGE PROTECTION DEVICE

### PRODUCT SPECIFICATIONS

Safety Listings:	UL 1449 4th Edition
UL 1449 - Ed. 4 Location Rating:	Type 1 and Type 2
IEEE C62.41 Location Rating:	Category C3 - High & Category B3 - Medium
Nominal Discharge Current Rating:	20kA (In)
Maximum Surge Current Rating:	150kA per mode; 300kA per phase
Fault Current (SCCR):	200kAIC
Maximum Continuous Operating Voltage (MCOV):	L-N, L-G & N-G = 170, L-L = 276 L-N, L-G & N-G = 320, L-L = 550
<b>Ultra2X</b> - TOV Protection:	"Ride-Through" 60Hz TOV Up to 2X Nominal Operating Voltage
Product Design:	Modular per mode/phase, thermal protected MOV's
Connection Method:	Parallel, supplied with 36" 10AWG leads
Recommended Breaker Size:	30Amp
Protective Components:	Individual thermal fusing per MOV, per mode & AIC fusing
Response Time:	< 1 Nanosecond
Frequency, Operating Temp & Humidity:	50/60Hz, -40 to 176° F, 0%-95%
Status Indicators:	Audible alarm, redundant indication per phase & per mode, remote alarm contacts & surge counter
Enclosure Type:	NEMA 4/12, pending UL Type 4
Installation Location:	Indoor or Outdoor
Enclosure Material:	Metal (powder coated aluminum)
Weight:	13 lbs.
Warranty:	10 Years



### UL 1449 4th Edition Listed & ANSI/IEEE Category C3 High Exposure Level

The PQS300 Model SPD is specifically designed for critical protection applications and can be installed at service entrance/MDP's, distribution panels or directly at critical loads.

The distinctive slim enclosure design of the PQS300 model allows for installation between electrical panels where space is often limited - this further allows for a proper installation where connected lead lengths can be kept to a minimum.

Inherent to the exclusive compact replaceable multi-module design of the PQS300 Model is a product design feature which incorporates a standard integral fused disconnecting means making Type 1 application safe and Type 2 application where a breaker is not available, a simple installation.

The PQS300 Model has per phase and per mode (e.g. L-N, L-G & N-G) status indicators showing whether there is protection loss and specifically where it is. An audible alarm will sound in the event of any loss of protection and remote alarm contacts are standard for remote monitoring capabilities.

A Ten Year product warranty is offered which includes replacement should the product fail due to transient voltages or workmanship defects in manufacturing.

Featuring **Ultra2X** technology has been specifically designed to meet and exceed the safety requirements for the abnormal over-voltage testing of UL 1449 Edition 4. Many SPD's permanently disconnect all protection from the circuit during a sustained over-voltage event, not a transient. **Ultra2X** technology allows the SPD to experience an abnormal sustained over-voltage up to twice its nominal operating voltage and still remain operational during and after this event. **Ultra2X** technology allows the SPD to provide reliable and continuous protection to your sensitive electronic equipment.

**Ultra2X** technology is recommended for all sites and especially those where sustained over-voltages are known to occur and where failure of traditional SPD technologies cannot be tolerated.

### Voltage Configurations

		← VPR →			
		L-N	L-L	L-G	N-G
120/240	120/240, 1 phase, 3W + ground	800	1200	800	700
120/208	120/208, 3 phase, 4W + ground	800	1200	800	700
277/480	277/480, 3 phase, 4W + ground	1200	1800	1200	1000

### PRODUCT OPTIONS

Side Mount Kit: <b>PQSM</b>
Replacement Module(s): <b>PQS300-MOD</b>
Replacement Fuse(s): <b>PQFUSE</b>
Switchboard Top Mount Kit: <b>PQSBM</b>

### Model Number Example: PQS300 120/240-SP

Height - 10.31"  
Width - 10.31"  
Depth - 3.25"