

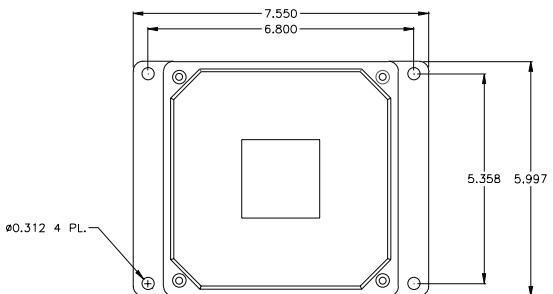
Surge-Trap® Type 1 XT Series SPD

The Surge-Trap® Type 1 XT Series offers Advanced Technology. It utilizes large block 50kA Thermally Protected MOV's. With line or load side installation flexibility, this unit is a great fit from the service entrance all the way down to each distribution and/or branch panel.

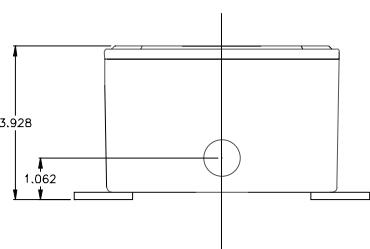
Features/Highlights:

- UL 1449 Third Edition Listed (Sept 2009)
- Type 1 SPD – All UL required OCP & safety coordination included inside
- Can be installed line-side or load-side of main disconnect
- 20kA Nominal discharge current
- 200kA SCCR (most models)
- UL 96A Lightning Protection Master Label compliant (@20kA In)
- NEMA 4X polycarbonate enclosure – UL 746C(f1) & UL 94-5VA
- TPMOV® Technology Inside
- All MOV suppression elements monitored
- Filtering - AC sinewave tracking filter with EMI/RFI filtering up to -50dB from 10khz to 100mhz
- Phase-loss monitoring (toggles LED and dry contacts)
- Ten-year Warranty

Dimensions and Weight



Weight: 5lbs (2.3kg)



Applications:

- Service Entrance
- AC Distribution
- Power supplies
- Drive Protection
- Large Control Panels
- Telecommunications
- IT / Data centers



Ratings:

Surge : 100kA per phase
: 200kA per phase

Volts : 120V to 600V

SCCR : 200kA SCCR (most models)

Nominal discharge current : 20kA (most models)

Operating & storage temp : -25°C to +60°C

Enclosure : NEMA 4x

Approvals:

- UL 1449 Third Edition, cUL, UL 1283 R/C
- UL File: VZCA.E210793
- RoHS Compliant
- IEC 61643, CE
- Burn-In tested prior to shipment
- UL 96A lightning protection master label

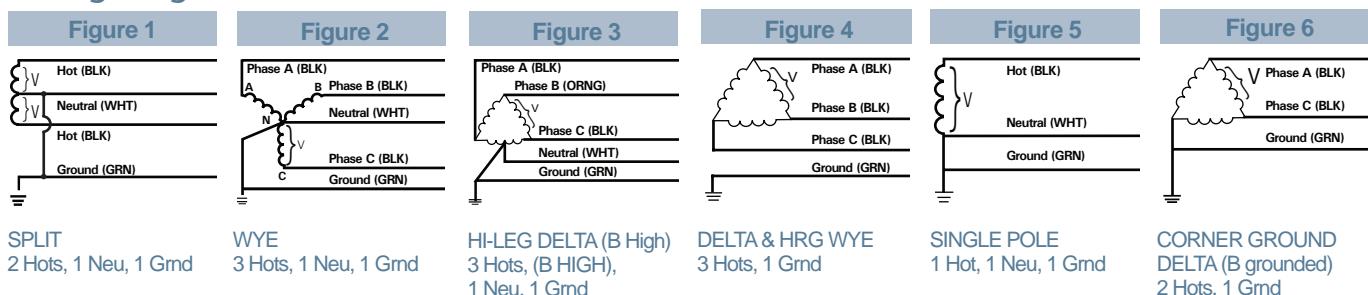


Surge-Trap® Type 1 XT Series SPD

Catalog Numbers - Ordering System

STXT	System Voltage	S	Surge Rating	Enclosure	Options
	Common System Configurations 01 = 240/120V Split Phase - 1Φ 3W+Grnd (Fig 1) 02 = 208Y/120V Wye - 3Φ 4W+Grnd (Fig 2) 03 = 240/120V High Leg Delta (B High) (Fig 3) 04 = 480Y/277V Wye - 3Φ 4W+Grnd (Fig 2) 05 = 480V Delta - 3Φ 3W+Grnd (Fig 4) & HRG Wye 08 = 600Y/347V Wye - 3Φ 4W+Grnd (Fig 2)		100 200 200 200 200 200		Blank A = Audible Alarms & Dry Contacts E = Remote Indicator (6ft cable) L = Deletes L-N protection G = Deletes L-G protection N = Deletes N-G protection R = Alternate lead length
	Other System Configurations Available 06 = 240V Delta - 3Φ 3W+Grnd (Fig 4) 07 = 380Y/220V Wye - 3Φ 4W+Grnd (Fig 2) 09 = 600V Delta - 3Φ 3W+Grnd (Fig 4) & HRG Wye 11 = 120V Single Phase (Fig 5) 12 = 240V Single Phase (Fig 5) - Not split phase 13 = 127V Single Phase (Fig 5) 14 = 300V Single Phase (Fig 5) 15 = 254/127V Split Phase - 1Φ 3W+Grnd (Fig 1) 16 = 277V Single Phase (Fig 5) 17 = 480V Single Phase (1 Hot, 1 Neu, 1 Grnd) (Fig 5) 18 = 480/277 2-Pole, (480/240V Split Phase) (Fig 1) 21 = 220Y/127V Wye - 3Φ 4W Grnd (Fig 2) 41 = 520Y/300V Wye- 3Φ 4W+Grnd (Fig 2) 42 = 415Y/240V Wye-3Φ 4W+Grnd (Fig 2) 43 = 400Y/230V Wye - 3Φ 4W+Grnd (Fig 2) 44 = 440Y/250V Wye - 3Φ 4W+Grnd (Fig 2) 51 = 480V B Corner Grnd Delta, 3Φ 3W+Grnd (Fig 6) 61 = 240V B Corner Grnd Delta, 3Φ 3W+Grnd (Fig 6) 91 = 600V B Corner Grnd Delta, 3Φ 3W+Grnd (Fig 6)	S		4X	
STXT	Example STXP4S2004XA				
STXP	4	S	200	4X	A

Wiring Diagrams



Performance Data

Common North American Systems			UL 1449 THIRD Edition (Sept 2009) Test Data							
			Voltage Protection Ratings (VPR - 3kA)							
			L-N	L-G	N-G	L-L	Type	In	SCCR	MCOV
01	=	240/120V Split Phase	700	700	600	1000	Type 1	20kA	100kA	150
02	=	208Y/120V 3Φ Wye	700	700	600	1000	Type 1	20kA	200kA	150
03	=	240Y/120V B High Leg Delta	700/1200	700/1200	600	1000/2000	Type 1	20kA	200kA	150 / 320
04	=	480Y/277V 3Φ Wye	1200	1200	1200	2000	Type 1	20kA	200kA	320
05	=	480V 3Φ Delta	-	1800	-	2000	Type 1	10kA	200kA	550
08	=	600Y/347V 3Φ Wye	1500	1500	1500	2500	Type 1	10kA	200kA	420

Available Accessories*

FMKITC = Flush mount kit.

RM = Remote monitor

*Consult factory for details.