Industronic
Energy in Evolution

SPVM-IND 3000

Surge Supressor with Monitor
Three phase, 200 ~ 400 kA

10
Year
Warranty

Features

- NEMA 4, IP 65,Highly Durable, Weatherproof Metal Cabinet
- Protection for Sensitive Equipment
- Absorbs Energy from Transients and Electrical Disturbances
- Acts in Nanoseconds
- TMOV (Thermally Protected Metal Oxide Varistors) Technology
- High Frequency Noise Filtering
- Derivative Parallel Connection (does not interrupt Load Operation)
- Parallel to increase Capacity

Solves the following power quality issues

- Voltage Spikes
- Attenuates (EMI & RF) High-frequency Electrical Noise

Applications

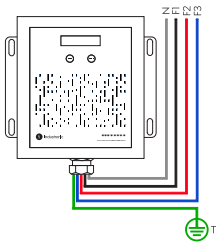
- Main, Secondary and Load Centers
- UPS, Regulators, and Emergency Plants
- Data Centers
- Communication Centers
- Laboratories and Medical Equipment
- Audio and Video Recording Studios
- Sensitive and Delicate Loads
- Industrial and Commercial use

Optional

- Custom design

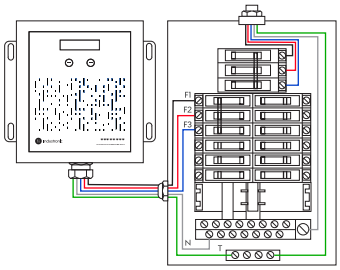
SPVM- IND Specs

• SPV Wiring



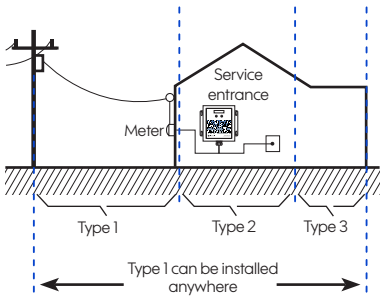
P1= Phase 1= Black Cable
P2= Phase 2= Red Cable
P3= Phase 3= Blue Cable

• Wiring to board

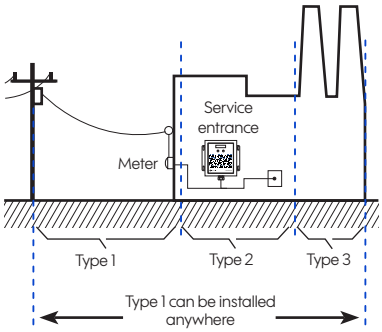


N= Neutral= White Cable
T= Ground= Green Cable

• House Connection



• Commercial Building Connection



Models SPVM-IND	3200	3400	3200	3400
Electrical				
Capacity (kA)	200	400	200	400
Nominal Voltage	110 / 190, 120 / 208, 127 / 220		254 / 440, 266 / 460, 277 / 480	
Phases	3			
Configuration	Three phase star (4 wires + ground)			
Type / Recommended application class	Type 1 and Type 2			
Short Circuit Current Capacity (SCCR)	200 kA			
Nominal Discharge Current (In)	50 / 60			
Frequency (Hz)	1 nanosecond			
Response time	10 modes, P1-N,P1-G, P2-N, P2-T, P3-N, P3-G, N-G, P1-P2, P2-P3, P1-P3			
Protection modes	Up to 50 dB from 10 kHz to 100 MHz			
EMI / RFI Filtering	800 V (P-N), 800 V (P-G), 800 V (N-G), 1600 V (P-P)		1800 V (P-N), 1800 V (P-G), 1800 V (N-G), 3600 V (P-P)	
Voltage Protection (VPR)	150 V (P-N, N-G, P-G)		320 V (P-N, N-G, P-G)	
Maximum Continuous Operation Voltage (MCOV)	10	20	10	20
Protection current per phase (kA)	60	120	60	120
Three-Phase protection current (kA)	200	400	200	400
Energy capacity (J)	2400	4800	5400	10800
Mecanical				
Cabinet type	NEMA 4, IP 65, 16 caliber galvanized steel with baked epoxy coating in black			
Dimensions, height x width x depth (mm)	270 x 240 x 120			
Standard weight (kgs)	4.0	4.1	4.0	4.1
Connection type	5 flexible cables caliber 8 AWG			
Physical				
Operational altitude (m s.n.m.)	3,000			
Operational temperature (°C)	-20 ~ 70			
Relative humidity	from 5% to 95% without condensation			
Applicable characteristics				
Average efficiency	100%			
Harmonic distorsion	Does NOT add harmonic distortion to the line			
Anti-ignition system	Thermostable polymer encapsulated varistors & smoke proof sealed metal cabinet			
Suggested switch type	3 poles, 30 A, 250 Vca		3 poles, 30 A, 600 Vca	
Certifications	Complies with: NOM, UL 1449 3rd Edition; components comply to UL94V-0			

The specifications are subject to changes and modifications without prior notice, due to our commitment of continuous improvement of reliability, design and functionality of our products

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