



Hardwired AC Surge Protection

M200



The M200 Series is a high performance surge protector designed for critical panel locations. The SPD incorporates high-energy MOVs with EMI/RFI noise filtering to provide protection against transients originating from induced lightning strikes and utility switching.

Real-time diagnostics include LED fault indicators for each phase as well as the presence of abnormal voltages between the neutral to ground mode, where applicable. Form C dry contacts for remote indication and an audible alarm ensure the M200 Series is always at full capacity.

Housed in a rugged NEMA 4 enclosure these devices are suitable for harsh indoor or outdoor applications. The M200 Series is available for all voltages and configurations up to 480Vac.

Model	Configuration
M200-120T	120/240Vac, 1ph, 3W+G, split phase
M200-120Y	120/208Vac, 3ph, 4W+G, wye
M200-220Y	220/380Vac, 3ph, 4W+G, wye
M200-240Y	240/415Vac, 3ph, 4W+G, wye
M200-240DCT	120/120/240Vac, 3ph, 4W+G, hi-leg
M200-240D	240Vac, 3ph, 3W+G, delta
M200-277Y	277/480Vac, 3ph, 4W+G, wye
M200-347Y	347/600Vac, 3ph, 4W+G, wye
M200-480D	480Vac, 3ph, 3W+G, delta

AC Panel Protection

- 200kA transient amps protection (8/20 μ s)
- All modes of protection
- Full On-Board Diagnostics— LED indicators with options for remote & audible alarms.
- 200kAIC Fault Current Rated
- EMI/RFI Noise Filtering
- NEMA 4 enclosure
- 10-Year warranty

Characteristics

Surge Handling (I_{max})	200kA/phase
Protection Modes	L-N, L-G, N-G, L-L
EMI/RFI Noise Rejection	-40dB
LED Indicators	Yes
Audible Alarm	Yes
Remote Signalling	Form C dry contacts
Connecting Wire Size	#10 AWG, 36" Leads
Response Time	<5 nanoseconds
Dimensions	8" x 6" x 3.5"
Enclosure	NEMA 4, Metal
Weight	10lbs

Standards & Guidelines

UL 1449 2nd Edition	USA
IEC 61643-11	International
ANSI/IEEE C62.41	USA
NFC 61740-95	France
VDE0675-6	Germany
CSA C22.2	Canada
CE Marked	European

UL1449 500A				Joules	MCOV
L-N	L-G	N-G	L-L	(10/100us)	
400	400	500	800	3,960j	150V
400	400	500	800	4,680j	150V
1000	1000	1000	1800	8,320j	320V
1000	1000	1000	1800	8,320j	320V
400	400	1000	1800	5,800j	150/320V
-	1000	-	1800	7,680j	320V
1000	1000	1000	1800	8,320j	320V
1500	1500	1500	3000	12,480j	550V
-	1500	-	3000	11,520j	550V