



Hardwired AC Surge Protection

M100



Citel's M100 Series is specification grade surge protection for service entrance or critical branch panels. The SPD is available for all your single and three phase applications up to 480Vac.

With 100,000 amps of surge handling capacity and EMI/RFI noise filtering, the M100 Series is a rugged yet refined SPD. Equipped with real-time LED fault indicators, remote contacts, audible alarm and abnormal N-G voltage detection this device provides much more power quality information than your typical TVSS.

For ease of application, the M100 Series is approved to the most stringent and widely recognized safety standards such as UL, cUL, IEC and CE.

AC Panel Protection

- 100kA transient amps protection (8/20 μ s)
- All modes of protection
- Full On-Board Diagnostics— LED indicators, remote & audible alarms.
- 200kAIC Fault Current Rated
- EMI/RFI Noise Filtering (-40dB)
- NEMA 4 enclosure
- 10-Year warranty

Characteristics

Imax	100kA/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	6lbs

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

Model	Configuration
M100-120T	120/240Vac, 1ph, 3W+G, split phase
M100-120Y	120/208Vac, 3ph, 4W+G, wye
M100-220Y	220/380Vac, 3ph, 4W+G, wye
M100-240Y	240/415Vac, 3ph, 4W+G, wye
M100-240DCT	120/120/240Vac, 3ph, 4W+G, hi-leg
M100-277Y	277/480Vac, 3ph, 4W+G, wye

UL1449 500A				Joules	MCOV
L-N	L-G	N-G	L-L	(10/100us)	
400	400	500	800	2,730j	150V
400	400	500	800	2,730j	150V
1000	1000	1000	1800	4,690j	320V
1000	1000	1000	1800	4,690j	320V
400	400	1000	1800	3,290j	150/320V
1000	1000	1000	1800	4,690j	320V