

## MPAF 120/240 (Type 1 Hardwired)



### Features:

- Compact Design to mount directly to panel or in small space
- Front Facing design eases installation and performance monitoring
- 65kA 8/20 us max. surge rating per mode

The MPAF 120/240-1P-90D Surge Protective Device (SPD) provides the industry's strongest level of surge protection in a very compact and easily installed hardwire unit. It can handle over three times the average lightning peak surge current.

The MPAF series is designed for primary protection at the service entrance. Other applications include: branch panels, switches, equipment disconnects and generator transfer switches. The MPAF is used in OEM panels as well as solar combiner boxes. It fulfills the requirements for UL 96A lightning protection installations and light pole applications. The housing is constructed of UV-stabilized thermoplastic and meets the UL 50 Type 4x rating, making it ideal for both indoor and outdoor applications. All of the models have a 20kA nominal discharge current rating, the highest level recognized under the UL 1449 Edition 4 standard.

The MPAF is a Type 1 device UL® Listed to UL 1449 Edition 4 and cUL® Listed to CAN/CSA C233.1. This allows installations on the line or load side (Type 1 or Type 2) of the service panel in accordance with the NEC® 2014 or CAN/CSA C233.1 without the requirement for additional circuit breakers or fuses.

### COMPARISON CHART

	T1SPD
Installation Rating	TYPE 1
Nominal System Voltage	120/240 Vac
Distribution System	1Ph 2W+G
MCOV	150/300 Vac
Frequency	0 – 100mhz
SCCR	200kAic
Nominal Discharge Current (In) , Per Mode	20kA 8/20 μs
Max Discharge Current (Imax), Per Mode	40kA 8/20 μs (65kA single shot)
VPR L-L / L-N	1,800 V L-L / 900 V L-N
Status indication	Blue LED
Technology	MOV with thermal disconnect
Lead Length / Wire Size	30" / #12 AWG
Temperature	-40 to 176°F
Mounting	1/2" straight threaded nipple