



# HLP Series

## Highway Lighting Protection Surge Protection Device

The **HLP Series** is a **Type 4 SPD** designed to protect equipment from surges.

**Features include:**

- Listed to ANSI/UL 1449
- Solid State 20mm MOV Design
- Line-to-Ground Protection
- LED Status Diagnostics
- Weather Resistant
- No Follow Current

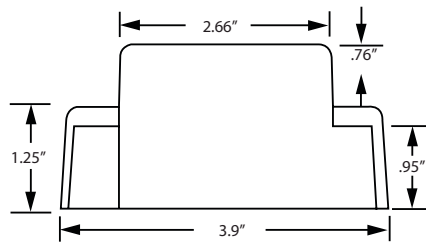
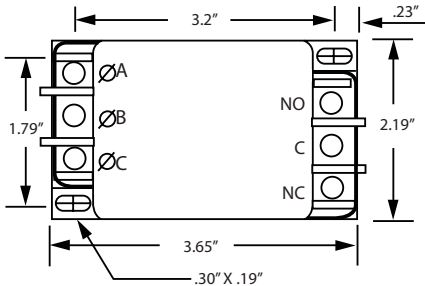
**Applications**

Traffic Signals, Highway Lighting, Parking Lighting, Interior Lighting, Security Systems, Fire Alarms.

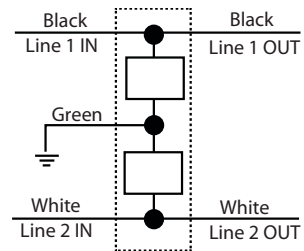
A **15 Year Product Warranty** is included.



**Dimensions**



**Wiring Diagram**



*(Diagrams not drawn to scale)*

**Product Specifications**

	<b>HLP020-120-3L-0-AS1006</b>	<b>HLP020-240-3L-0-AS1006</b>	<b>HLP020-480-3L-0-AS1006</b>
Operating Voltage	120 Volt	150 Volt	—
MCOV	150 VAC	275 VAC	550 VAC
Continuous Current	20 A	20 A	20 A
Max Surge Current	20kA (40kA available)	20kA (40kA available)	20kA (40kA available)
Clamp Voltage VPR	L-G 700, N-G 700, L-N 1200	L-G 1000, N-G 1000, L-N 1800	L-G 1800, N-G 1800, L-N 3000
SCCR	5kA	5kA	5kA
I <sub>n</sub>	3kA	3kA	3kA
Surge Technology	MOV	MOV	MOV
Response Time	5 nanoseconds	5 nanoseconds	5 nanoseconds

**Options:**

- Replace **020** with **040** for 40kA Surge Rating
- Replace **S** with **P** for Parallel Connection
- Replace **06** with **GL** for Ground Lug
- Replace **1006** with **TB** for Terminal Block Connection
- Replace **1006** with **1414** for 14 AWG Wire and Ground
- Replace **1006** with **1410** for 14 AWG Wire and 10 AWG Ground
- Replace **1006** with **1406** for 14 AWG Wire and 6 AWG Ground
- Replace **1006** with **1010** for 10 AWG Wire and 10 AWG Ground
- Replace **-0-** with **-F-** for Internal Fusing (Type 1 locations)\*

\*Fusing does not disconnect load

Length	Gauge	Color	Connection
22"	6	Green	Ground
12"	10	Black	Line 1 (Hot)
12"	10	White	Line 2 (Hot)

All product dimensions provided are ± 0.125

Meter Treater Inc.: 1349 South Killian Drive • Lake Park, FL 33403

Email: [sales@metertreater.com](mailto:sales@metertreater.com)

Sales: 561.845.2007 Toll: Free: 800.638.3788 Fax: 561.848.2372

Website: [www.metertreater.com](http://www.metertreater.com)