

## HIGHWAY LIGHTING / ALABAMA DOT HE1200, HE2400, HE4800



### DESCRIPTION

The HE1200, HE2400 and the HE4800 were specifically designed for use and is approved by both the Florida Department of Transportation and the Alabama Highway Department. This line of surge protection offers up to 60KA (8 x 20uS) peak surge current protection for multi-voltage, high-mast lighting applications. Protection schemes provided include both line to ground and neutral to ground protection.

### PIN ASSIGNMENTS

COLOR	CONNECTION
Green-No. 10 AWG	Ground
Black-No. 10 AWG	L1 (hot)
White-No. 10 AWG	L2 (neut.)

\*The 8 x 20us waveform is a standard test waveform.

### FEATURES

- Multi-Voltage High Mast Lighting
- Weatherproof
- Up to 60KA Capability (8x20us)
- Automatic Recovery
- 5 Nanosecond Response Time
- No Follow Current
- Line to Ground Protection
- Neutral to Ground Protection
- Long Life

### SPECIFICATIONS

Model:	HE1200	HE2400	HE4800
Peak Surge Current (8 x 20us)	45KA	50KA	65KA
Response Time	<5Ns	<5Ns	<5Ns
Clamp Voltage @ 1mA	280V	420V	700V
Clamp Voltage @ 700A	440V	700V	1060V
Max Allowable Voltage (RMS)	180V	270V	550V
Surge Life (calculated)	40,000 Occurrences @ 700A	40,000 Occurrences @ 700A	40,000 Occurrences @ 700A
Current Drain	<100 uAmps	<100 uAmps	<100 uAmps
Insulation To Ground	600 Volts	600 Volts	600 Volts
Mounting	Lead Supported or Screw-down	Lead Supported or Screw-down	Lead Supported or Screw-down
Leads	No. 10AWG, 18" Long, No. 6 AWG, 18" Long	No. 10AWG, 18" Long, No. 6 AWG, 18" Long	No. 10AWG, 18" Long, No. 6 AWG, 18" Long

\*The 8x20us waveform is a standard test waveform.

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