

TRAFFIC CONTROL / AC SERVICE

HE1800



DESCRIPTION

The HE1800 has been specifically designed for use on type 170 controllers, although it may be used on NEMA controllers. Because of the high quality of this protector, it may be used as a stand-alone device without the use of an external line filter. If an external line filter is required, it is recommended that a HESCO/RLS line filter be used.

The HE1800 is a multi-stage, high-energy suppressor that incorporates a sophisticated, inline EMI/RFI filter. The inline filter has been designed to effectively reject random noise and spikes from 10KHz to 25MHz. The primary and secondary clamp stages are separated by an inductive network, yet work together to give clamp voltages of under 395 volts at 20KA (8 x 20uS).

If random data base memory loss or any other transient interference is effecting the safe operation of one or more of your intersections, the HE1800 surge protector will quickly and effectively eliminate the problem.

SPECIFICATIONS

Peak Surge Current 8 x 20us.....66KA
 Max Clamp Voltage.....395VAC
 Continuous Service Current.....15 Amps Max
 Operating Temperature.....-40 to 85c
 Dimensions (in.).....4.6W x 3.1L x 1.9H
 Mounting.....Plastic Baseplate
 *Unit was tested with neutral strapped to the ground terminal.

Spike Test using Berkley Model 3020 Noise Generator:
 Input spike voltage.....700 volts P-P
 Maximum voltage excursion above/below sine wave at all phase angles
 0 to 180 degrees.....±30 volts

HESCO/RLS Incorporated
 1470 Kastner Place, Suite 112
 Sanford, FL 32771
 Fax (407) 321-2344

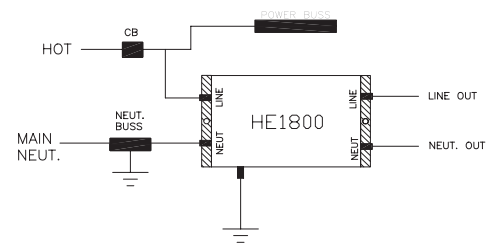
For more information and product support call us at...

1-800-547-4868

FEATURES

- Multi-Stage Surge Arrestor
- Protects Against Lightning and Other Surges
- Clamps Harmful Surges Quickly
- Completely Weatherproof
- Immediately Self-Restores After Each Surge
- Filter Component Meets MIL-STD-220A Insertion Loss Specifications

INSTALLATION



MIL-STD-220A INSERTION LOSS DATA

Frequency (dB)	Insertion Loss
60Hz.....	0
10Khz.....	35
50Khz.....	71
100Khz.....	72
500Khz.....	75
2MHz.....	67
5MHz.....	57
10MHz.....	52
20MHz.....	38