

## TRAFFIC CONTROL / AC SERVICE

# HE1700



### DESCRIPTION

The HE1700 has been specifically designed for use 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 an external line filter. If an external line filter is required, it is recommended that a HESCO/RLS line filter be used.

The HE1700 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.

If random data base memory loss or any other transient interference is effecting the safe operation of one or more of your intersections, the HE1700 surge protector will quickly and effectively eliminate the problem.

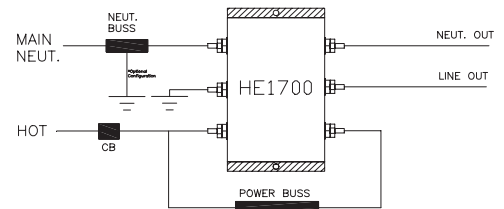
### SPECIFICATIONS

Peak Surge Current (8x20us).....	66KA
Operating Voltage.....	120 VAC
Clamp Voltage.....	395VAC
Modes of Protection.....	L-G, L-N, N-G
Response Time.....	<5ns
Continuous Service Current.....	15 Amps Max.
Operating Temperature.....	-40 to 85°C
Mounting.....	Plastic Baseplate

### FEATURES

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

### MOUNTING



### MIL-STD-220A INSERTION LOSS DATA

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

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