TRAFFIC CONTROL / AC SERVICE
HE1750

DESCRIPTION

The HE1750 has been specifically designed for use on both type 170 and on NEMA controllers. Because of the high quality of this protector, it may be used as a standalone 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 HE1750 (like the popular 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).

The HE1750 also incorporates the use of warning/failure indicators in addition to remote sensing for monitoring by a central computer. If random data base memory loss or any other transient interference is effecting the safe operation of one or more of your intersections, the HE1750 surge protector will quickly and effectively eliminate the problem.

SPECIFICATIONS

Peak Surge Current
8 x 20us……………………………………………………...…..…..……**48KA**
Max Clamp Voltage..**395VAC**
Response Time………...**<5nS**
Continuous Service Current...**15 Amps Max**
Operating Temperature……...................................…………**-40 to 85c**
Dimensions (in.)………..**4.6W x 3.1L x 1.9H**
Mounting…………...……....……**Aluminum Base Plate**
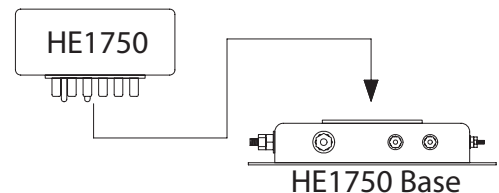
FEATURES

• Modular Design
• Multi-Stage Surge Arrestor
• Effectively Protects Against Lightning and Other Power Surges
• Dry Relay Contact Remote Sensing Circuit
• Immediately Self-Restores After Each Surge
• LED Warning / Failure Indicators

PIN ASSIGNMENTS

Line In..1,2
Neutral In......................................11,12
Ground...3,4,9,10
Line Out...5
Neutral Out....................................7
Relay NC.......................................8
Relay Com....................................6

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

HE1750

HE1750 Base

CAUTION: Disconnect Power Prior to Installing or Removing Unit

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

1-800-547-4868

www.hescorls.com