HESCO/RLS

Your source for quality, reliable surge protection.

## TRAFFIC CONTROL / AC SERVICE

# HE1700RS


## DESCRIPTION

The HE1700RS 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 an external line filter. If an external line filter is required, it is recommended that a HESCO/RLS line filter be used.

The HE1700RS 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 HE1700RS surge protector will quickly and effectively eliminate the problem.

## SPECIFICATIONS

**Peak Surge Current (8x20us)…….66KA**

**Life Test:**
**<5% change in clamp voltage after 10 surges of 46KA (8x20uS)**
**<1% change in clamp voltage after 25 surges of 25KA (8x20uS)**

**Clamp Voltage……voltage never exceeds 395V during surge**
**Continuous Service Current……15 Amps Max.**
**Operating Temperature……-40 to 85°C**
**Mounting……Aluminum Baseplate**

***Unit was tested with neutral strapped to the ground terminal.**

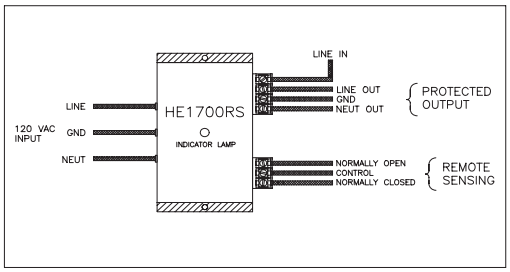
**Spike Test using Berkley Model 3020 Noise Generator:**
**Input spike voltage……700 volts P-P**
**Maximum voltage excursion above/below sine wave at all phase angles, 0 to 180 degrees……±30 volts**

## FEATURES

- Multi-Stage Surge Arrestor
- Protects Against Lightning and Other Power Surges
- Dry Relay Contact Remote Sensing Circuit
- Completely Weatherproof
- Immediately Self-Restores After Each Surge
- LED Failure Indicator

## INSTALLATION

Note: Stud terminals available on request for input and protected output connections.




## 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 |

**HESCO/RLS Incorporated**
220 Springview Commerce Drive
Unit 190
DeBary, FL 32713
(386) 668.2793

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

1-800-547-4868

**www.hescorls.com**