The AR-716, AR-916 and the TRF-1 were designed to protect traffic cabinet loop inputs with reliable, high-speed Silicon Breakover Technology. All three models provide line to ground and line to line protection from high-energy surges. The AR-716 and AR-916 units feature spaded connections directly compatible with loop input terminal strips and can be mounted consecutively next to each other. The TRF-1 connection uses a ground lug to mount and uses terminal lead wires to connect across the signal inputs.

Performance Capabilities:

Peak Current @ 8 x 20us waveform ...................................................................................................... differential mode 400 amps
.............................................................................................................................................. common mode 1000 amps

Clamp Voltage (Before Breakover) ..................................................................................................... 155V
(After Breakover) ................................................................................................................................ 10V

Response Time ...................................................................................................................................... < 1ns

Surge Life ............................................................................................................................................... 25 occurrences @ 100A (8 x 20us)

Capacitance ......................................................................................................................................... <50pf

Technology ............................................................................................................................................ Silicon Breakover

Regulatory Safety .................................................................................................................. Exceeds Safety Margins (NEMA TS1-2.1.6.2)

Operating Temperature .............................................................................................................................. -40°C to +85°C

Weight ................................................................................................................................................. 2 oz.

Warranty .............................................................................................................................................. Lifetime

AR-716 uses 7/16" spacing, AR-916 uses 9/16" spacing
Center spade is ground, two outside spades connect to signal inputs

TRF-1 is a 1.0" cube design with a stainless 10-32 x 3/8" mounting ground stud with nut. Both lead wires are to be connected across the signal inputs.