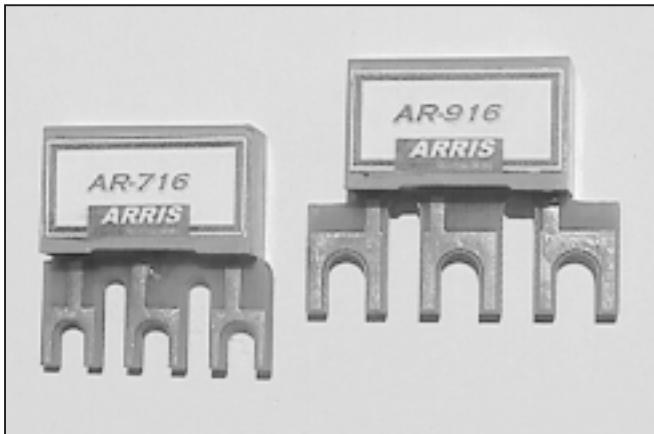




AR-716, AR-916



TRF-1

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