

ARRESTER(for RTD)

SHN-RTR



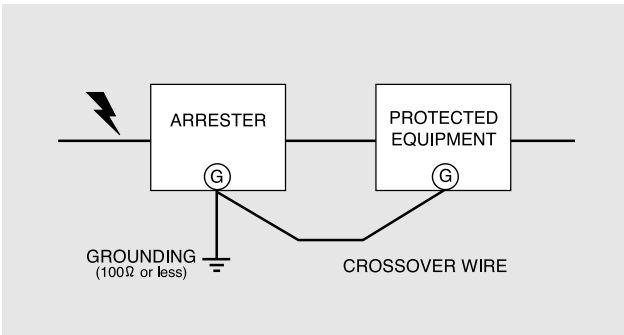
SHN-RTR is designed for resistance temperature detector(RTD) circuits.
This unit protects RTD transmitters from damage caused by surge on the RTD wiring.

GENERAL SPECIFICATIONS

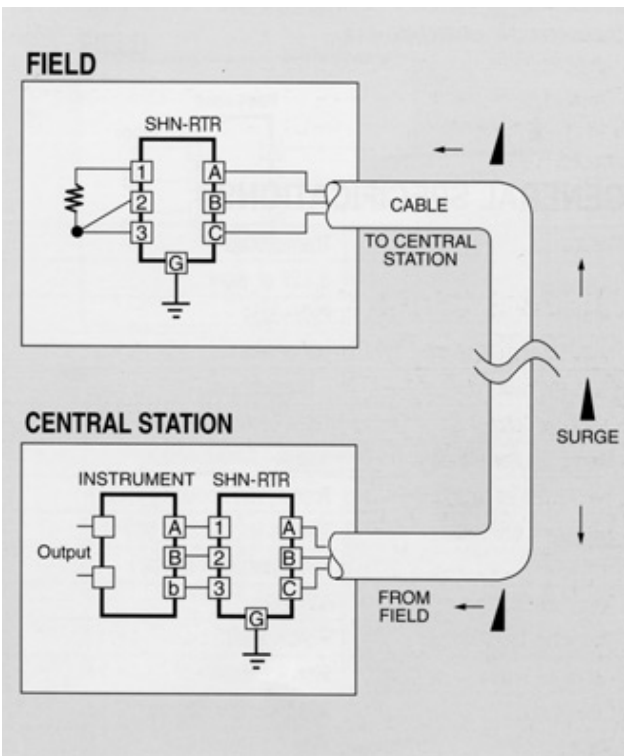
Input		RTD Sensor
Discharge Voltage	btwn lines	$\pm 7.5\text{V}$ or more
	btwn lines & GND	255V~345V
Max. Surge Voltage(btwn lines)		16V or less
Response Time		0.1 μsec or less
Discharge Current		1KA (8 \times 20) μsec (10KA Option)
Max. Load Current		100mA
Internal Series Resistance		Approx. 5 Ω \pm 0.1%(30ppm/ $^{\circ}\text{C}$)
Leakage Current	btwn lines	10 μA or less(at 3V DC)
	btwn lines & GND	10 μA or less(at 140V DC)
Max. Line DC Voltage		7.5V DC
Operating Temperature		-5 $^{\circ}\text{C}$ ~+60 $^{\circ}\text{C}$
Operating Humidity		90% RH Max.
Dimensions		W23.5 \times H102 \times D62(mm)
Weight		140g
Mounting		Wall/Rail Mounting

GROUNDING

A crossover wire between ARRESTER ground and ground or metallic housing of equipment is required for protection.



CONNECTION DIAGRAM



BLOCK DIAGRAM

