

ARRESTER(for RTD)

SHN-RTR



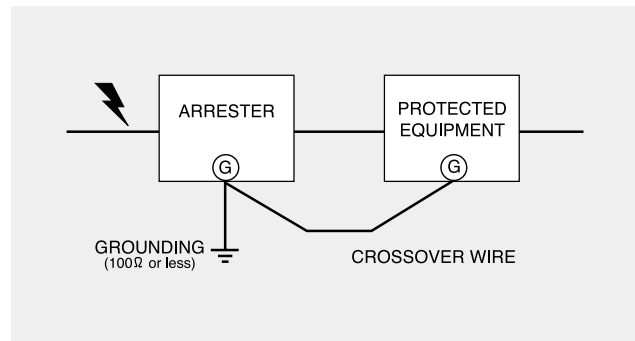
SHN-RTR is designed for resistance temperature detector(RTD) circuits.
This unit protects RTD transmitters from damage caused by surge on the RTD wiring.

GENERAL SPECIFICATIONS

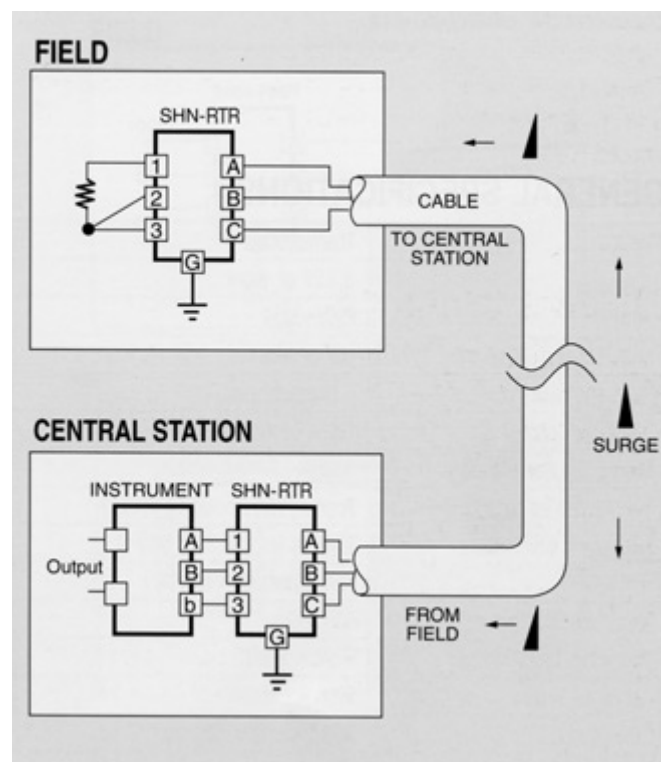
Input	RTD Sensor	
Discharge Voltage	btwn lines	$\pm 7.5V$ or more
	btwn lines & GND	255V~345V
Max. Surge Voltage(btwn lines)	16V or less	
Response Time	0.1 μ sec or less	
Discharge Current	1000A (8 \times 20) μ sec(10KA Option)	
Max. Load Current	100mA	
Internal Series Resistance	Approx. 5 Ω \pm 0.1%(30ppm/ $^{\circ}$ C)	
Leakage Current	btwn lines	10 μ A or less(at 3V DC)
	btwn lines & GND	10 μ A or less(at 140V DC)
Max. Line DC Voltage	7.5V DC	
Operating Temperature	-5 $^{\circ}$ C~+60 $^{\circ}$ 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

