

# ARRESTER(for RTD)

SHN-RTR



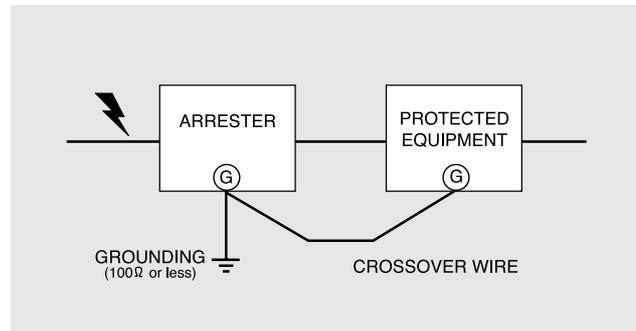
SHN-RTR is designed for resistance temperature detector(RTD) circuits. This unit protects RTD transmitters from damage caused by surge on the RTD wiring.

## GENERAL SPECIFICATIONS

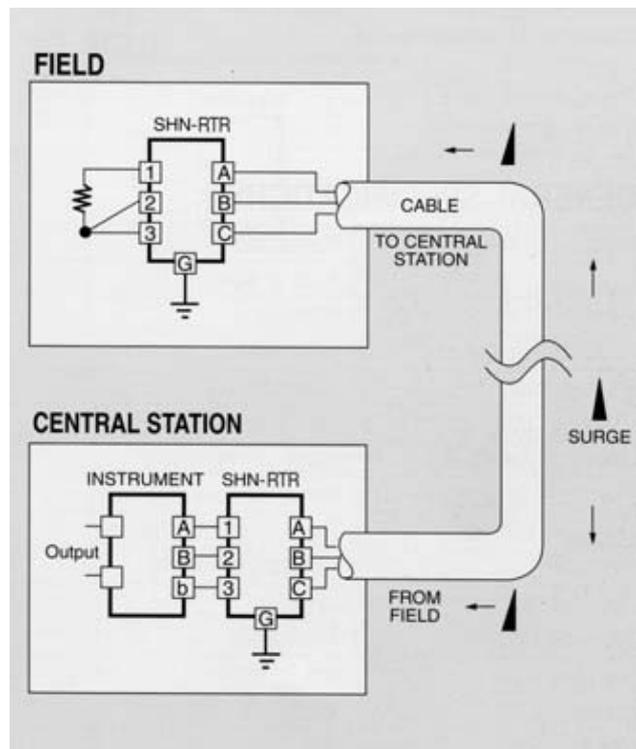
Input	RTD Sensor	
Discharge	btwn lines	$\pm 7.5V$ or more
Voltage	btwn lines & GND	255V~345V
Max. Surge Voltage(btwn lines)	16V or less	
Response Time	0.1 $\mu$ sec or less	
Discharge Current	1000A (8 $\times$ 20) $\mu$ sec(10KA Option)	
Max. Load Current	100mA	
Internal Series Resistance	Approx. 5 $\Omega$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

