

ARRESTER(for T/C)

SHN-TCR



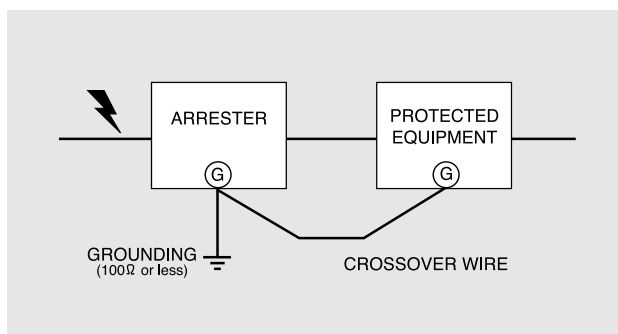
SHN-TCR is designed for thermocouple circuits. This unit absorbs the lightning surges entering the temperature transmitter or controller through the thermocouple or thermocouple extension wire.

GENERAL SPECIFICATIONS

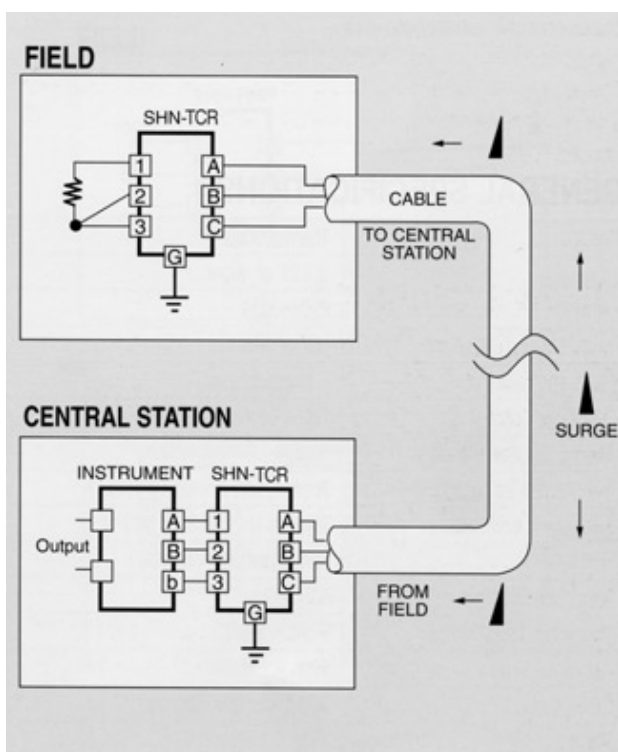
Input	Thermocouple	
Discharge Voltage	btwn lines	$\pm 7.5V$ or more
	btwn lines & GND	255V~345V
Max. Surge Voltage	(btwn lines)	
Response Time	16V or less	
Discharge Current	0.1 μ sec or less	
Max. Load Current	1kA (8 \times 20) μ sec(10kA Option)	
Internal Series Resistance	100mA	
Leakage Current	Approx. 5 Ω \pm 0.1%(30ppm/ $^{\circ}$ C)	
	btwn lines	10 μ A or less(at 7.5V 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

