ARRESTER(for T/C)

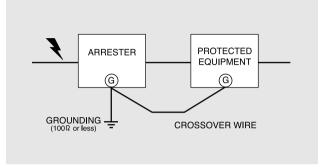
SHN-TCR



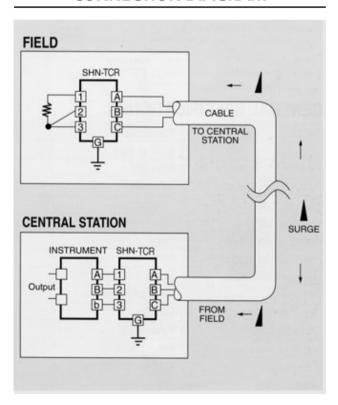
SHN-TCR is designed for thermocouple circuits. This unit absorbs the lighthing surges entering the temperatare transmitter or controller through the thermocouple or thermocouple extension wire.

GROUNDING

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



CONNECTION DIAGRAM



GENERAL SPECIFICATIONS

Input Thermocouple				
Voltage btwn lines & GND 255V~345V Max Surge Voltage(btwn lines) 16V or less Response Time 0,1µsec or less Discharge Current 1KA (8×20) µsec(10KA Option) Max Load Current 100mA Internal Series Resistance Approx, 5Ω ±0,1%(30ppm/°C) Leakage btwn lines 10µA or less(at 7,5V DC) Current btwn lines & GND 10µA or less(at 140V DC) Max Line DC Voltage 7,5V DC Operating Temperature −5°C~+60°C Operating Humidity 90% RH Max Dimensions W23,5×H102×D62(mm) Weight 140g	Input		Thermocouple	
Max Surge Voltage(btwn lines) Response Time Discharge Current Max Load Current Internal Series Resistance Leakage btwn lines Current btwn lines Current Dtwn lines Current Dtwn lines Current Dtwn lines Resistance Approx 5Q ±0.1%(30ppm/°C) Leakage Dtwn lines 10µA or less(at 7.5V DC) Max Line DC Voltage 7.5V DC Operating Temperature Operating Humidity Dimensions Weight 16V or less 1KA (8×20) µsec(10KA Option) 100mA Approx 5Q ±0.1%(30ppm/°C) 100mA Approx 5Q ±	Discharge	btwn lines	±7.5V or more	
Response Time Discharge Current Max Load Current Internal Series Resistance Leakage btwn lines Current btwn lines 4,000 core less(at 7.5 V DC) Max Line DC Voltage Operating Temperature Operating Humidity Dimensions 0,1/Lsec or less 1KA (8×20) /Lsec(10KA Option) 100mA Approx 5Ω ±0.1%(30ppm/°C) 10/LA or less(at 7.5 V DC) 10/LA or less(at 140V DC) 7.5 V DC -5°C~+60°C 90% RH Max W23,5×H102×D62(mm) 140g	Voltage	btwn lines & GND	255V~345V	
Discharge Current Max Load Current Internal Series Resistance Approx, 5\Omega \pmu 0.1%(30ppm/°c) Leakage btwn lines Current btwn lines & GND 10\u03c4A or less(at 7.5V DC) Max Line DC Voltage Operating Temperature Operating Humidity Dimensions Weight 1KA (8×20) \u03c4sec(10KA Option) 100mA Approx, 5\Omega \pmu 0.1%(30ppm/°c) 10\u03c4A or less(at 140V DC) 7.5V DC -5°C~+60°C 90% RH Max W23.5×H102×D62(mm)	Max, Surge Voltage(btwn lines)		16V or less	
Max Load Current 100mA Internal Series Resistance Approx, 50 ±0.1%(30ppm/°c) Leakage Ourrent btwn lines 10μA or less(at 7,5V DC) Current btwn lines & GND 10μA or less(at 140V DC) Max Line DC Voltage 7,5V DC Operating Temperature −5°C~+60°C Operating Humidity 90% RH Max Dimensions W23,5×H102×D62(mm) Weight 140g	Response Time		0.1µsec or less	
Internal Series Resistance Approx. 5\(\Omega\) \pm 0.1\(\omega\)(30\(\omega\)(0) Leakage btwn lines 10\(\omega\) or less(at 7.5\(\omega\) DC) Ourrent btwn lines & GND 10\(\omega\) or less(at 140\(\omega\) DC) Max. Line DC Voltage 7.5\(\omega\) DC Operating Temperature -5\(\circ\circ\circ\circ\circ\circ\circ\ci	Discharge Current		1KA (8×20) µsec(10KA Option)	
Leakage btwn lines 10, A or less(at 7,5V DC) Current btwn lines & GND 10, A or less(at 140V DC) Max Line DC Voltage 7,5V DC Operating Temperature -5°C~+60°C Operating Humidity 90% RH Max Dimensions W23,5×H102×D62(mm) Weight 140g	Max Load Current		100mA	
Current btwn lines & GND 10, A or less(at 140V DC) Max Line DC Voltage 7.5V DC Operating Temperature -5°C~+60°C Operating Humidity 90% RH Max Dimensions W23.5×H102×D62(mm) Weight 140g	Internal Series Resistance		Approx. $5\Omega \pm 0.1\%(30ppm/^{\circ}C)$	
Max Line DC Voltage 7.5V DC Operating Temperature -5°C~+60°C Operating Humidity 90% RH Max Dimensions W23.5×H102×D62(mm) Weight 140g	Leakage	btwn lines	10,µA or less(at 7.5V DC)	
Operating Temperature -5°C~+60°C Operating Humidity 90% RH Max Dimensions W23,5×H102×D62(mm) Weight 140g	Current	btwn lines & GND	10µA or less(at 140V DC)	
Operating Humidity 90% RH Max Dimensions W23,5×H102×D62(mm) Weight 140g	Max Line DC Voltage		7.5V DC	
Dimensions W23.5×H102×D62(mm) Weight 140g	Operating Temperature		-5°C~+60°C	
Weight 140g	Operating Humidity		90% RH Max.	
	Dimensions		W23.5×H102×D62(mm)	
Mounting Wall/Dail Mounting	Weight		140g	
vvai(i) vaii (viou) tii lg	Mounting		Wall/Rail Mounting	

BLOCK DIAGRAM

