

# SIGNAL ARRESTER(10KA)

SHN-ARR30-1/70-1



SHN-ARR30-1/70-1 is Designed for DC signal line including 2 wire transmitters. It absorbs the lightning surges that are transmitted in the DC signal wiring to insure the line potential will remain at a low voltage to prevent damage to electronic components. The unit is designed not to fall in the shortcircuit condition, thus protecting the equipment from any damage caused by short circuits.

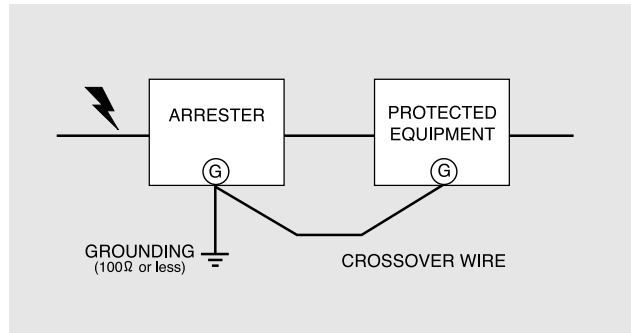
- 2 stage protect construction
- Applied technique : Basis on ANSI / IEEE Category "A" / "C" IEC Category C1, C2, C3, D1
- Surge Suppression Voltage : under 43Vpk

## GENERAL SPECIFICATIONS

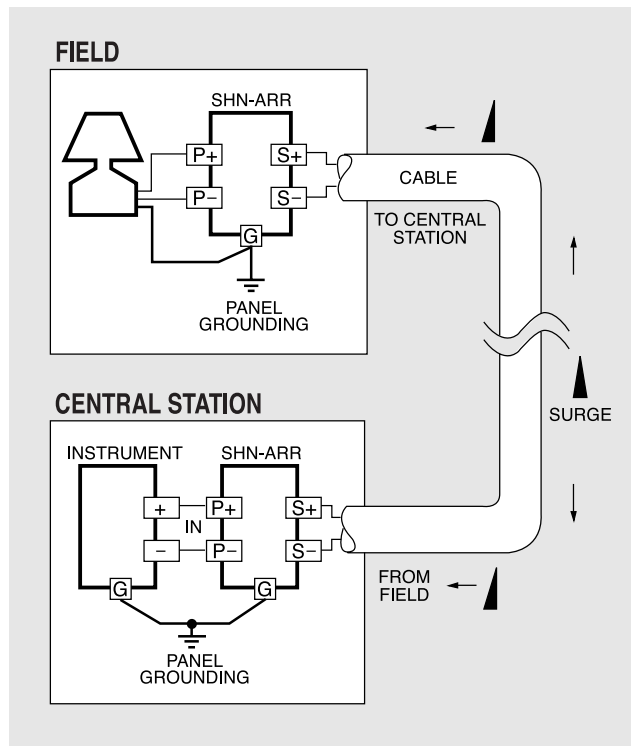
MODEL	SHN-ARR 30 -1	SHN-ARR 70-1
Input	DC Signal(4~20mA)	
Discharge Voltage	btwn lines 28V~30V or more btwn lines & GND 255V~345V	68V~70V or more
Clamping Voltage Rating	43Vpk or less 80Vpk or less	
Response Time	2 nsec or less	
Discharge Current	10KA/Mode, 20KA/Line(8×20μs)	
Max. Load Current	100mA	
Internal Series Resistance	Approx. 5Ω(including return)	
Leakage Current	btwn lines 5μA or less(at 30V DC)	5μA or less(at 70V DC)
Current	btwn lines & GND 5μA or less(at 140V DC)	
Max. Line DC Voltage	30V DC	70V DC
Operating Temperature	-5°C~+60°C	
Operating Humidity	90% RH Max	
Dimensions	W23.5×H102×D62(mm)	
Weight/Case	140g	
Mounting/Grounding	Wall Mounting	

## GROUNDING

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



## CONNECTION DIAGRAM



## BLOCK DIAGRAM

