

General Specifications

AR1-B2 Arrester for Communication Line

Scott

This high quality arrester protects communication equipment from lightning surges induced in communication line.

- Applicable to communication lines having frequency range of DC~20kHz and voltage range of 0~24V DC.
- Screw terminal connection makes easy relay to communication lines.
- No affect for communication lines even if main body is removed.
- Minimum mounting space would be enough because of its compact shape same as arresters for signal use.

AR1-B2

Type _____

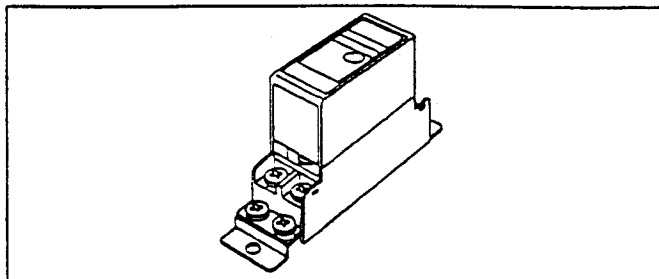
Transmit Frequency Area _____
B: DC~20kHz

Transmit Level _____
(Max. Line Voltage)
2: 24V DC

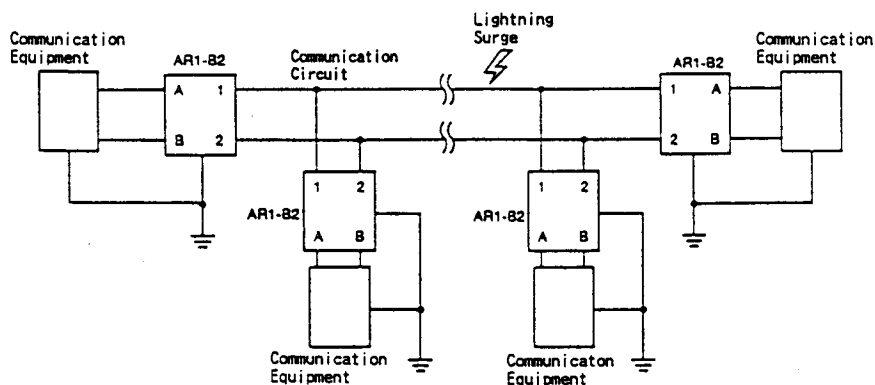
Principal Usage ...for use between line and installation intervals for low withsatnd voltage equipment

- AC, DC communication
- Signal, data transmission
- Telemeter

Standard Performance	
Transmit Frequency Area	DC~20kHz
Operational attenuation	less than 0.5 dB
Transmit level	24V DC
Permissible current leakage :	
Between lines :	Less than 5μA (at 25V DC)
Between ground :	Less than 5μA (at 25V DC)
Instrument side voltage limit :	
Between lines :	Less than 50V (initial maximum value)
	Less than 10V (maximum value during operation)
Between ground :	Less than 100V (initial maximum value)
	Less than 20V (maximum value during operation)
Surge discharge withstand capacity :	
	4kA (at 8/20μs)
Series resistance	5Ω±10% (one line)
Temperature range	-10~+60°C
Humidity range	5~90% RH (no condensation)
Mounting & Shape	
Construction : 2 sections construction of main body and terminal base; plug-in+screw fastening	
Material	Case body : Black, unflammable ABS plastic Terminal base : Black, unflammable ABS plastic
Grounding	JIS Class 3 grounding [less than 100Ω] (with grounding bar)
Mounting method	Wall mounting with M4 screw
Connecting method : M4 screw terminal connection (fastening torque less than 1.2N·m)	
External dimension	55x23.5x100mm (HxWxD)
Mounting dimension	90mm
Multi-mounting pitch	24mm
Weight	Abt. 110g



WIRING



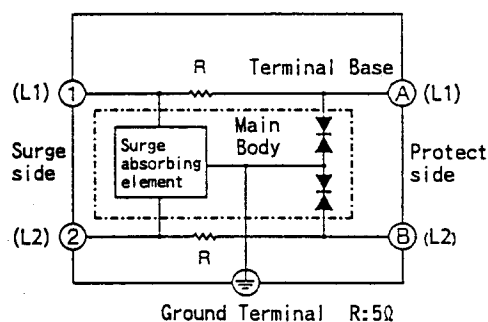
TERMINAL ARRANGEMENT



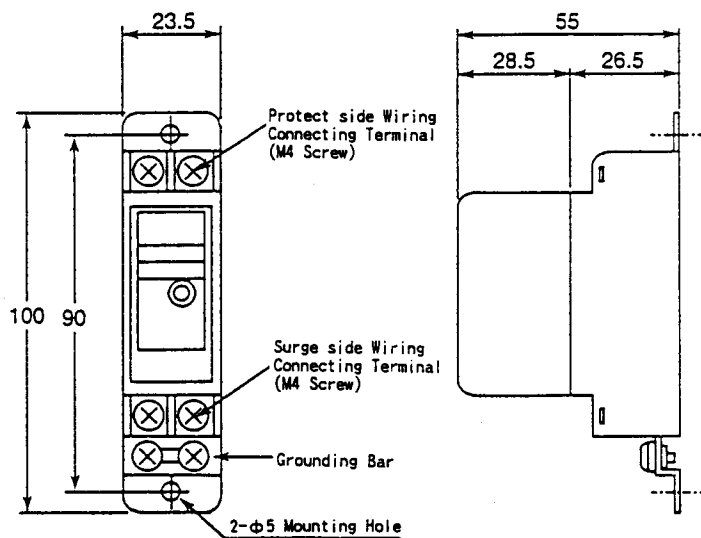
Ground Terminal

Usage	Communication Line
Protect side Terminal	A L1 B L2 C —
Surge side Terminal	1 L1 2 L2 3 —

BLOCK DIAGRAM



EXTERNAL DIMENSION



Unit : mm

Subject to change without notice for grade up quality and performance