

# General Specifications

AR1-D6  
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~2MHz and voltage range of 0~150V DC.
- Screw terminal connection makes easy relay to communication lines.
- No affect for communication lines even if main body is removed.
- Minimum mounting space is enough because of its compact shape same as arresters for signal use.

AR1-D6

Type \_\_\_\_\_

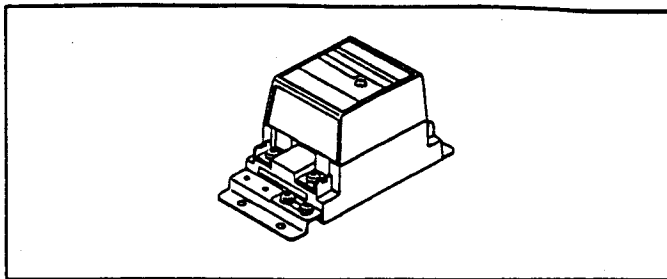
Transmit Frequency Area \_\_\_\_\_  
D: DC~2MHz

Transmit Level \_\_\_\_\_  
(Max. Line Voltage)  
6: 150V DC

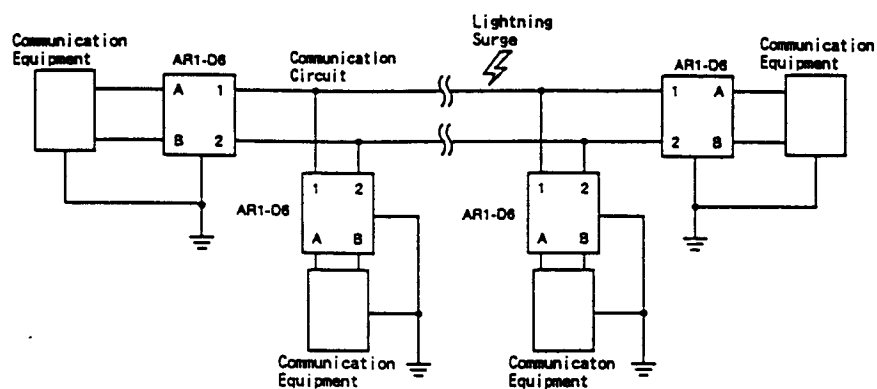
Principal Usage ...for use balance circuit

- Telephone lines
- Telecontrol
- Telemeter
- Information data transmit

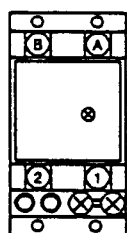
Standard Performance	
Transmit Frequency Area	DC~2MHz
Operational attenuation	less than 1.0 dB
Transmit level	150V DC
Permissible current leakage :	
Between lines	Less than 10 $\mu$ A (at 160V DC)
Between ground	Less than 5 $\mu$ A (at 160V DC)
Instrument side voltage limit :	
Between lines :	
Less than 10V (initial maximum value)	
Less than 2V (maximum value during operation)	
Between ground :	
Less than 1200V (max. at initial)	
Less than 20V (maximum value during operation)	
Surge discharge withstand capacity :	
4kA (at 8/20 $\mu$ s)	
Series resistance	0 $\Omega$
Temperature range	-10~+60 $^{\circ}$ 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 100 $\Omega$ ] (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	55x47.5x100mm (HxWxD)
Mounting dimension	90mm
Multi-mounting pitch	48mm
Weight	Abt. 220g



## WIRING



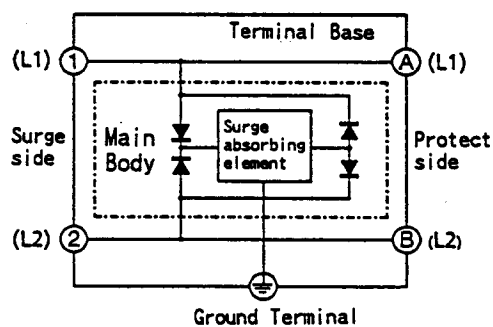
## TERMINAL ARRANGEMENT



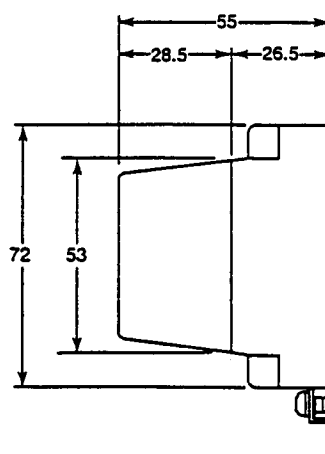
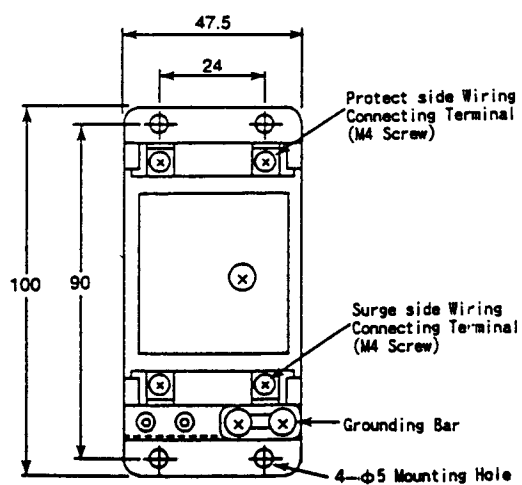
Ground Terminal

Usage	Communication Line
Protect side Terminal	A B
Surge side Terminal	1 2

## BLOCK DIAGRAM



## EXTERNAL DIMENSION



Unit : mm

Subject to change without notice for grade up quality and performance

GS AR22-01E