

# General Specifications

AR-PW  
Arrester  
for Power Supply  
(100V AC)

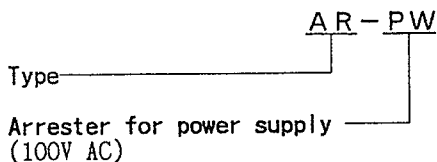
Scott

This high quality arrester protects electronic instruments by absorbing induced lightning surge voltage.

- Input signal is 100V AC.
- Load current capacity is 20A.
- With LED indicator

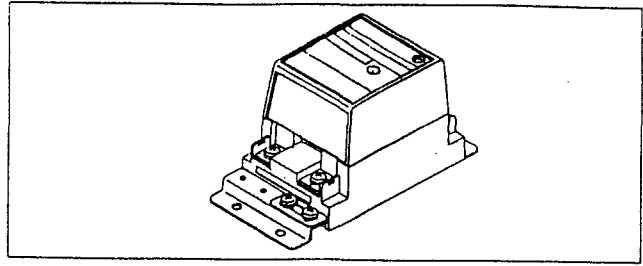
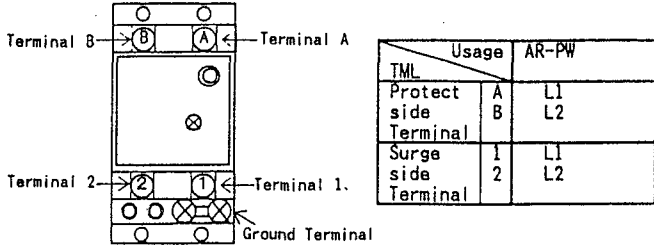
### Cautionary Notes for Safe Use of the Product

The arrester may deteriorate or break if it receives surges. Arresters that have deteriorated below a specific level or are broken, may fail to meet their protection performance level and must therefore be replaced. When replacing such arresters, replace both the main unit and the terminal block. It should be noted that the arrester may fail to safeguard the equipment under protection if it receives any surges exceeding its tolerance limit, such as direct lightning strokes.

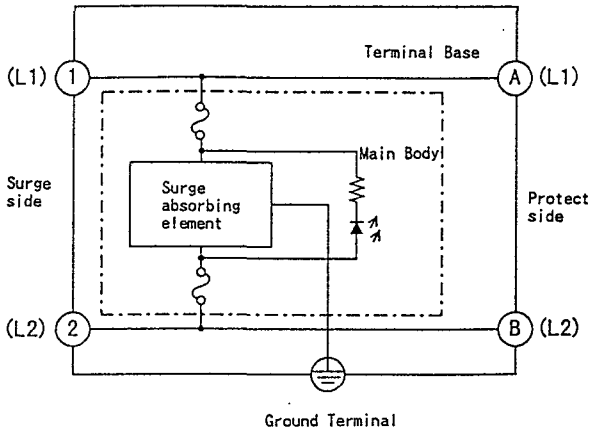


Input & Output	
Input signal	100V AC
Output signal	100V AC
Standard Performance	
Permissible current leakage :	
Between ground : Less than 1mA (at 400V AC)	
(Note) 10mA flows to light LED (flow direction L2→L1)	
Instrument side voltage limit :	
Between lines : Less than 500V (at 100A, 1.2/50µs)	
Between ground: Less than 1000V (at 100A, 1.2/50µs)	
Surge discharge withstand capacity :	
1000A (at 8/20µs)	
Discharge starting voltage :	
Between lines : More than 240V DC	
Between ground : More than 420V DC	
Maximum load current	20A
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, unflammmable ABS plastic Terminal base : Black, unflammmable ABS plastic
Grounding	JIS Class D 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	100×23.5×55 mm (H×W×D)
Mounting dimension	90mm
Multi Mounting pitch	48mm
Weight	Abt. 220g

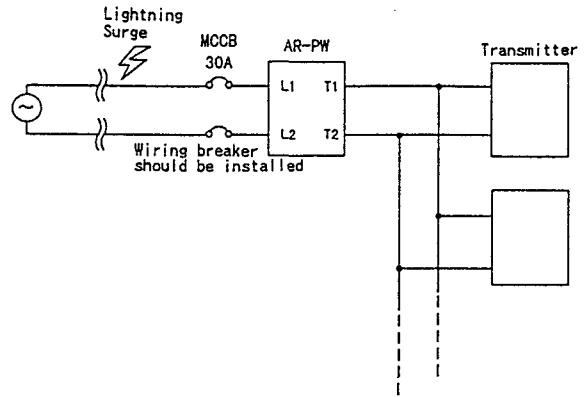
### TERMINAL ARRANGEMENT



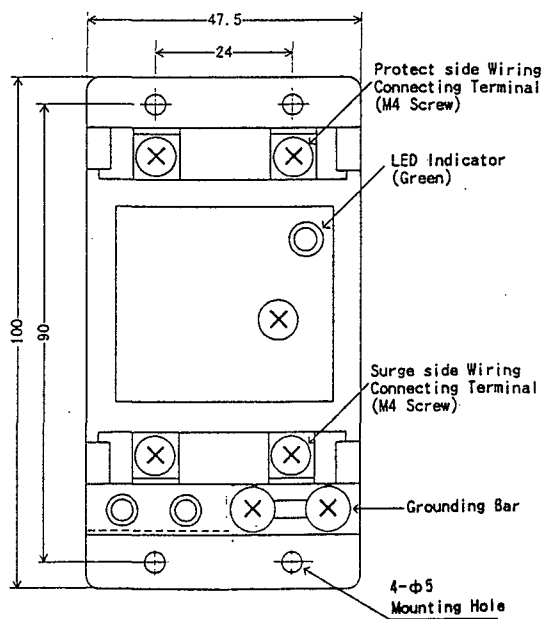
### BLOCK DIAGRAM



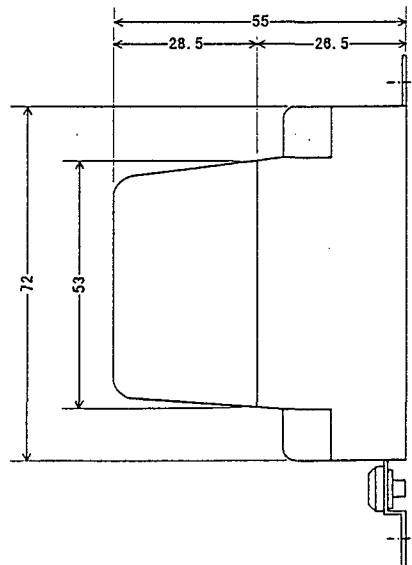
### WIRING



### EXTERNAL DIMENSION



Unit : mm



Subject to change without notice for grade up quality and performance