

# LIGHTNING ARRESTOR

The DS90 series lightning arrestors provide protection on such electronic instruments as signal conditions against lightning included surge on input, Output or Power line.

Its plug-in construction allow the user to take off the arrestor at any time without marking the line open. so, it benefits a lot to maintainability.



ARRESTANT

## Specifications Common To All Modules

RESPONSE TIME	0.1µs ec. max.	
OPERATING ENVIRONMENT	Ambient Temperature : -10~60°C Humidity : 85% RH Max. (Non-condensation)	
DIMENSIONS	DS-90A W	W47.5 X H55 X D100mm
	OTHERS	W23.5 X H55 X D100mm
EXTERNAL CONNECTION	M4 Screw Terminal equipped with the socket	
MATERIAL	HOUSING	ABS
	P.C.B	ABS

## SPECIFICATIONS

MODEL	DS91	DS92	DS94-C1	DS94-C7	DS90-A1	DS90-A6	DS90-AW	
INPUT SIGNAL	T/C	RTD/POTENTIOMETER	4~20mA DC	10~50mA DC	100V AC(2A)	200V AC(2A)	100V AC(2A)	
OUTPUT SIGNAL	T/C	RTD/POTENTIOMETER	4~20mA DC	10~50mA DC	100V AC	200V AC	100V AC	
ALLOWABLE LEAKAGE	BETWEEN LINES	2µs max. (@8V DC)	2µs max. (@8V DC)	5µs max. (@30V DC)	2µs max. (@70V DC)	1mA max. (@247V DC)	1mA max. (@420V DC)	1mA max. (@200V DC)
	AGAINST GROUND	10µs max. (@50V DC)	2µs max. (@40V DC)	10µs max. (@50V DC)	10µs max. (@90V DC)	1mA max. (@423V DC)	1mA max. (@810V DC)	1mA max. (@400V DC)
INSTRUMENT LIMIT VOLTAGE	30V max.	30V max.	30V max.	50V max.	90V max.	455V max.	1,000V max.	500V max.
10kv. 1x40µs	250V max	250V max.	250V max.	250V max.	380V max.	755V max.	1,800V max.	1,000V max.
SURGE DISCHARGE CAPACITY	Between Lines : 350A Against ground : 100A (1 x 40µs )			1000A (1 x 40µs )			1000A(8/20µs )	
DISCHARGE START VOLTAGE	BETWEEN LINES	20V min	20V min	35V min	75V min	247V min	420V min	240V min
	AGAINST GROUND	74V min	74V min	74V min	135V min	423V min	810V min	420V min