

STR201PV12-HD

The surge protector device designs according to the national standard of GB/T18802.21-2004/IEC61643-21:2000

Features:

>Application in the power, control signals, video signals protection special for the CCTV system, Video switcher over-Voltage, over-Currency, electrostatic discharge damaged; the device possesses the futures as follows: Multi-level over-voltage protection, Integrate function, width capacity, low limit-voltage, fast response , Low insertion loss, high speed etc.



2 IN 1 SPD
Video&Power

Working principle:

Surge protector link with the equipment which be protected in the front of the system. When transmission lines were happen to the lightning and other instantaneous overvoltage shocked, the impulse current through the surge protector grounding cables discharging into the earth, and limit output the voltage with the device allow -voltage. Ensure the safety of the equipment.

Installations, Use and Maintenance:

1 Installation steps

- * Before connecting the protector to the system, Make sure check grounding resistance and conform to the criteria with the requirements;
- * Connect the protector to the front of the device firmly.
- * Use the short and thick grounding lines as possible as you can to connect with the Earth-termination system.

2 Note:

- * There are IN and OUT icons marked on the protector, and the OUT port should be connected with the protected device, please don't make mistake. Or it will cause damage to the protector, and also the device can't be protected as expect.
- * Due to sockets connected interface factors caused the loss of poor, should be replace the protector or maintenance.
- * Users Can't removes the fasteners part of the device, in order to avoiding damage and affect the normal work.

3 Protector examination

- * Protector no needs special maintenance, in case the protector shocked by high voltage, the Led lights will power off, it means need to replace or maintain the protectors
- * Use the Multi-meter with " $\Omega \times 1$ " range to measure the protector's resistance, the value should be around 0Ω ; If not, protector need to be replaced.
- * Use the Multi-meter with " $\Omega \times 10K$ " range to measure the middle line to earth-ground resistance, the value will be around $400K\Omega$, if not ,need to replace the protector.

Specifications:

Temperature: $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$;

Relative humidity: $\leq 95\%$;

Atmospheric pressure: $70\text{kPa} \sim 106 \text{kPa}$.

Model	STR201PV12V	
	Video	Power
Nominal working voltage U_n	5V	12V
Max continuous working voltage U_c	6V	18V
Nominal discharge current I_n (8/20 μs)	5KA	5 KA/10KA
Max discharge current I_{max} (8/20 μs)	10KA	10KA/20KA
Protection Level U_p (10/700/ μs)	<20V	
Protection Level U_p (8/20 μs)		<200V
Standard load current I_L		=10A/15A
Leakage current I_A		=5 μA
Response time T_a	=1ns	=25ns
Insertion loss db	=0.2dB	
Band width FG	(0.3~10)M	
Transmission rate V_s	10M	
Protection grade	IP20	
Dimension	98*66*29 mm	
Material	Aluminum	
Interface (optional)	BNC (K/K, K/J)	Terminal 2Pin

Product appearance and the installation instructions:

