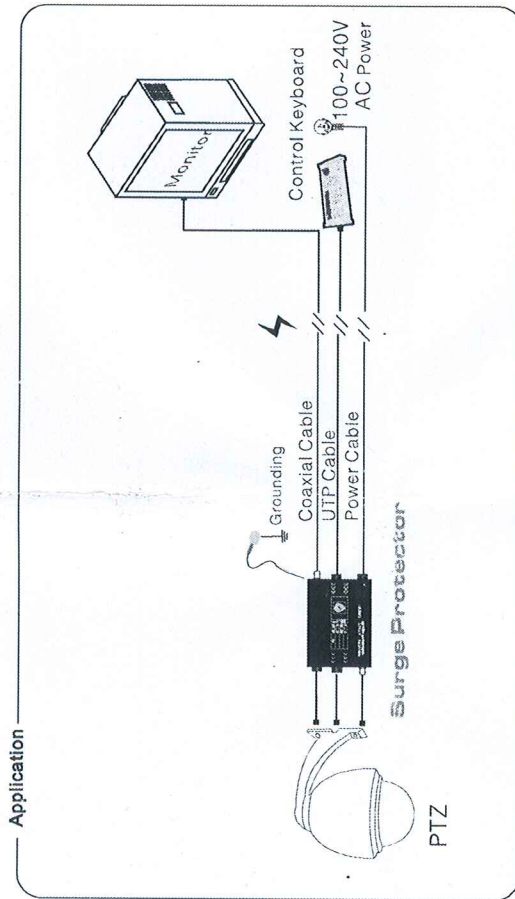


Power, Video and Data Surge Protector

It is a standard video, power, control signal surge protector designed according to GB/T18802.21-2004/IEC61643-21:2000. The device features multi-level protection, large max discharge current, low limiting voltage, quick reacting time, low inserting loss etc.. It's widely used in monitoring system video, power and control signal overload protection. Protect it from induce overvoltage, switching overvoltage and ESD. It's widely used in CCTV project and Environment Surveillance system.



Feature

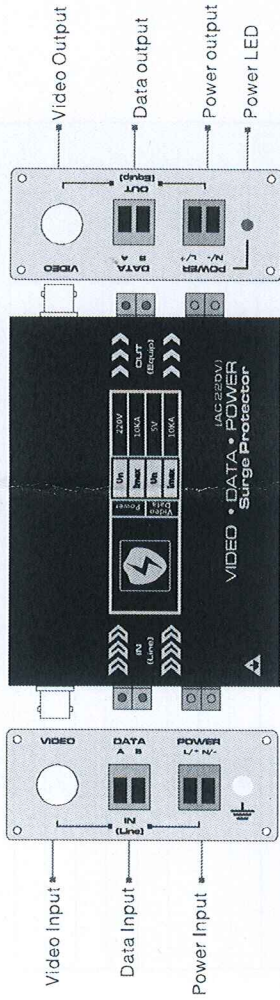
- Standard: IEC61643-21:2000 Nation Standard;
- Protection signal: CCTV video signal bandwidth over 10MHz, 220V AC;
- Properties: Multi-function and multi-level over-voltage protection, large flux capacity, low voltage limited, quick response, little insertion loss;
- Ground manner: Extension cable touches the ground directly;
- Design: Clear and scientific mark, easy to recognize, All-aluminum-made cover, compact design, easy installation.

Notice

Please make sure the connection direction is correct.

Board Diagram

220V Power, Video and Data Surge Protector



Installation Steps

Please check the following item before installation. If it's missing, please contact the dealer

- Surge Protector 1 set
- Hanger 2 set
- User Manual 1 set

Installation Steps

1. Before inserting the protector into the system, please make sure the grounding grid reach the specification;
2. please make sure the connection is stable;
3. Please make sure the grounding cable of the surge protector is as short as possible;

Notice:

1. Please make sure the connection is correct, otherwise it will cause the damage of the surge protector.
2. Please make sure to check the plug if the consumption is increasing, you can re-connect it or replace the surge protector
3. Please don't unpack the component personally.

Specification

Item	Description	
Video	Nominal Operational Voltage	5V
	Max Continuous Operational Voltage	6V
	Nominal Discharge Current (1/20us)	5KA
	Max Discharge Current (1/20us)	10KA
	Voltage Protection Level (10/700us)	<20V
	Reacting Time	≤ 1ns
	Inserting Loss	≤ 0.2dB
	Inserting Impedance	≤ 1Ω
	Bandwidth	10MHz
	Nominal Operational Voltage	220V
Power	Max Continuous Operational Voltage	320V
	Nominal Discharge Current (1/20us)	5KA
	Max Discharge Current (1/20us)	10KA
	Limiting Voltage (1/20us)	< 800V
	Rated Overload Current	≤ 10A
	Leak Current	≤ 5uA
	Reacting Time	≤ 25ns
	Rated Operational Voltage	5V
	Max Continuous Operational Voltage	6V
	Nominal Discharge Current (1/20us)	5KA
Control Signal	Max Discharge Current (1/20us)	10KA
	Impulse Voltage (10/700us)	< 20V
	Resistance Impedance	≥ 0.4MΩ
	Inserting Loss	≤ 0.5dB
	Standing Wave Ratio	≤ 1.2
	Transmission Rate	< 2Mbps
	Reacting Time	≤ 1ns
	Working Temperature	-20 ~ 55°C
	Storage Temperature	-40 ~ 70°C
	Humidity	0 ~ 95%
Environment	Size	112mm x 64mm x 38 mm
	Shell	Aluminum
Structure	N.W.	178g
	MTBF	> 30000hrs

Specification change will not change

Problem Examination

1. No maintain request, if it's damage (the LED is off), please replace it.
2. Please use the multimeter in " $\Omega \times 10$ " to test the impedance between input core cable and output core cable, the value should be smaller than 4.7Ω. If it's open circuit, please replace it.
3. Please use the multimeter in " $\Omega \times 1M$ " to test the grounding value, it should be 400kΩ. If it's wrong, please replace it.