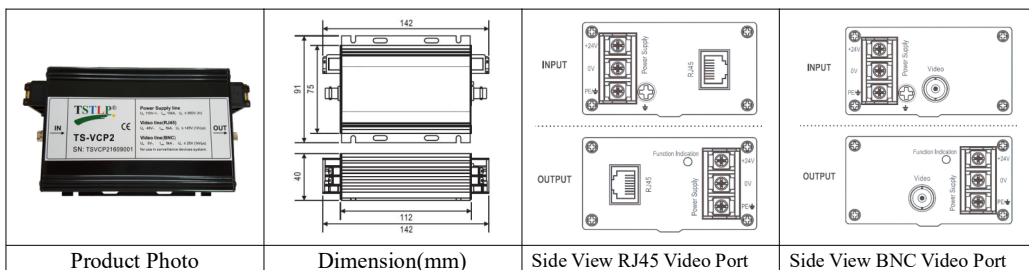




■ TSTLP®/TS-VCP2 Surge Arrester for Security Surveillance System

❖ **INTRODUCTION:** TS-VCP2 2 in 1 surveillance surge arrester is for protection of power lines and video lines of surveillance devices from surge damages, such as surveillance video receiver and camera and so on. These products are widely used in bank surveillance systems(CCTV system), residential security systems, surveillance devices or school security corporation & roads



❖ TECHNICAL DATA

Model		TS-VCP2					
Protection lines		Video Line (BNC)	Video Line (RJ45)	Power Supply line			
Nominal voltage	Un	5V-	48V-	220V-	48V-	24V-	12V-
Lightning impulse current(10/350)	I _{imp}	0.5KA	0.5KA	---	---	---	---
Nominal discharge current (8/20)	In	2.5KA(line-shield) 5KA (shield-PG)	2.5KA (line-shield) 5KA (shield-PG)	5KA	5KA	5KA	5KA
Max. discharge current (8/20)	I _{max}	5KA (line-shield) 10KA (shield-PG)	5KA (line-shield) 10KA (shield-PG)	10KA	10KA	10KA	10KA
Voltage protection level at In	Up	≤25V (line- shield) ≤25V (shield-PG)	≤130V(line- shield) ≤130V (shield-PG)	≤950V (L-N)	≤450V (L-N)	≤300V (L-N)	≤240V (L-N)
Voltage protection level at 1kV/μs	Up	≤25V (line- shield) ≤25V (shield-PG)	≤145V(line- shield) ≤145V (shield-PG)	---	---	---	---
Response time	t _A	≤1ns (line- shield) ≤100ns (shield-PG)	≤1ns (line- shield) ≤100ns (shield-PG)	≤25ns	≤25ns	≤25ns	≤25ns
Bandwidth	f _G	10MHz	165MHz	---	---	---	---
Max. data transmission rate	V _s	16Mbits/s	100Mbits/s	---	---	---	---
Series impedance		---	---	---	---	---	---
Insertion lose		0.4dB	0.4dB	---	---	---	---
Connection (input/output)		BNC socket/plug	RJ45 socket/plug	Screw			
Operating temperature range		-40°C...+80°C					
Relative humidity:		95% (25°C)					
Earthing via		Earthing screw					
Enclosure material		Aluminum					
Standards		IEC 61643-21; GB 18802.21; YD/T 1542					
Compliance		CE(LVD,EMC)					

❖ MAIN CHARACTER

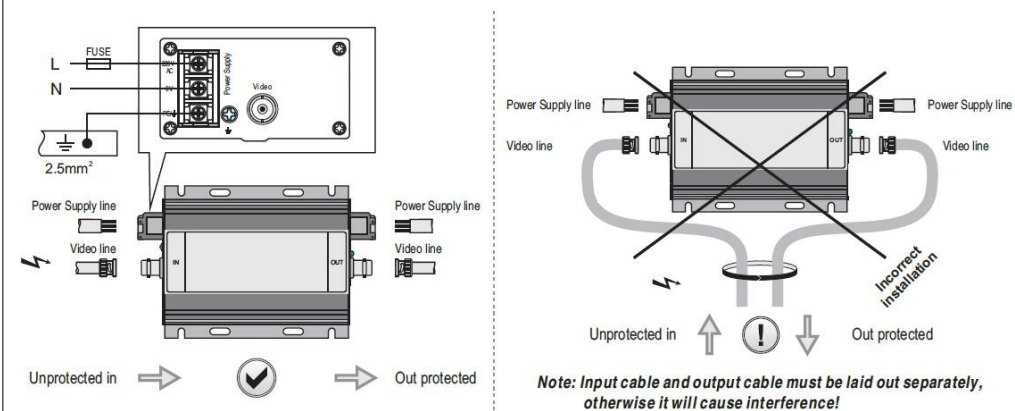
- ✓ Integrated protection for power lines and video signal lines of the camera
- ✓ High discharge capacity, low voltage protection level
- ✓ Quick response, multilevel protection ,small interference to transmission signal

INSTALLATION INSTRUCTION

1. This product is connected in series to the protected device.
2. The out terminal should be connected to the protected devices.
Note: The “IN” terminal power supply must be installed with a backup fuse;
3. Earth lead should be connected to the earthing system, ideally using 2.5mm² cable, the cable should be as short as possible
4. On power up, the green light will be on.

Regularly inspect the operating status, especially after lightning, once the communication is off, electrician should check/replace the SPD.

TS-VCP2 INSTALLATION DIAGRAM



WARNING:

1. The device must be installed by electrically skilled person, conforming to national standards and safety regulations.
2. It is recommended that installation should be done under power off condition.