

**Control Signal Surge Protector**  
**Model Number: SP-005DC10-RS485**

**Product Description:**

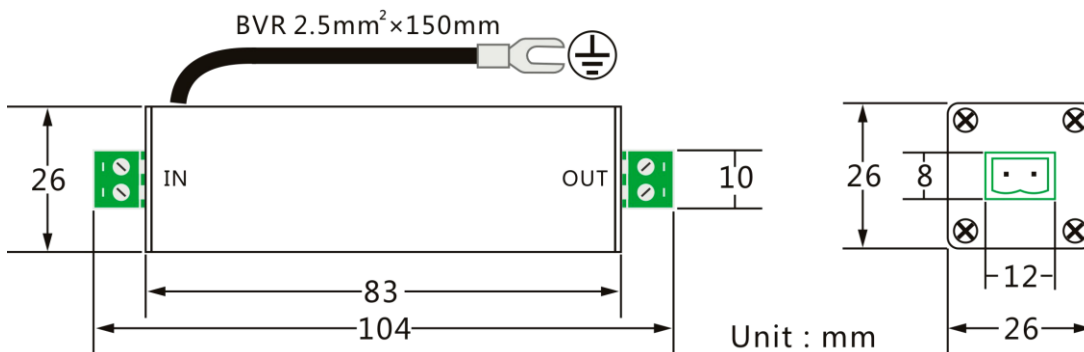
SP-005DC10-RS485 is mainly used for preventing lightning and over-voltage which intrude into the control signal equipments. It mainly can protect control or data signal equipments.



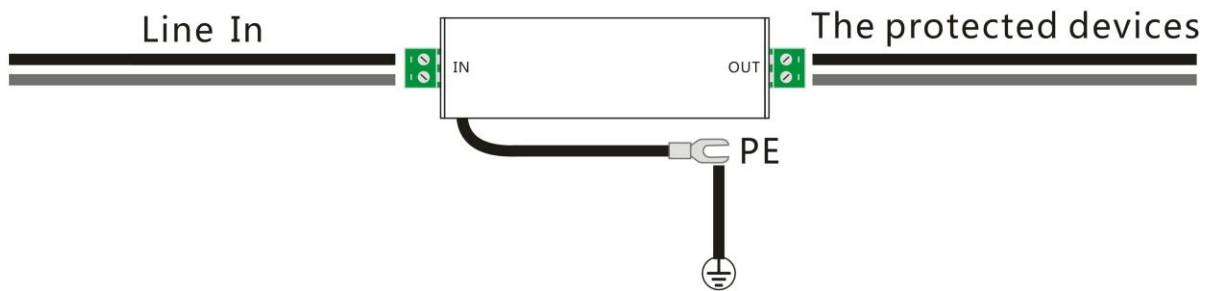
**Technical Parameter:**

Working Voltage Un (V)	5
Limiting Voltage Up (V)	20
Normal Discharge Current In (kA)	5
Maximum Discharge Current Imax (kA)	10
Response Time (ns)	1
Insert Loss (dB)	≤0.2
Transmission Rate (bit/s)	10M
Terminal Type	2P terminal
Net Weight (g)	70
Working Temperature	-40℃ ~ +80℃
Working Humidity	<95% Non-condensation

**Dimension:**



**Installation Diagram:**



**Installation Instructions:**

	NO	Step
	1	Connect RS485 cable to negative pole of IN (1)
	2	Connect RS485 cable to positive pole of IN (2)
	3	Connect RS485 cable of PTZ camera or control keyboard to negative pole of OUT (3)
	4	Connect RS485 cable of PTZ camera or control keyboard to positive pole of OUT (4)
5	Connect ground lead (5) to the grounding device	

**Use Tips:**

1. This product is connected in series and should be installed in dry and dustproof environment.
2. Please select the products same as interface type of protected device.
3. IN is input terminal and OUT is the output terminal on surge protector. Input terminal connects outside line while output terminal is connected to input of protected devices.
4. PE lines of surge protector must be reliable connection with the ground lead of lightning protection system. Ground lead should be shortness, thickness and straightness ( $4 \text{ mm}^2 < \text{our recommendation} < 50 \text{ mm}^2$ ).
5. During the period of use, surge protector should be inspected regularly. If any failure occurs, it should be repaired or replaced in time to ensure the safety of the protected equipment.
6. If device fails, do not disassemble or repair it by yourself. Please contact us timely.