



The two-in-one Series Surge Protector (SSP) for power and RJ45 network lines is designed, fabricated and tested according to the IEC international standards.

The product helps prevent damages to sensitive network cameras or wireless remote control cameras due to differences in ground potential, power surges and area lightning strikes. It can be easily installed without any losses of signal quality.

- Integrated and multi-functional surge protection for power and network lines of 12V, 24V or 220V system.
- Power and network integration surge protection design with effective balancing the lines potential difference.
- Core components are selected based on high reliability, multi-level protection and depressed residual.
- Low capacitance design, excellent transmission performance, fast response time and long life expectancy.
- With advantages of 2-in-1 integration, i.e., small size, simple wiring and easy installation.

Technical Specifications

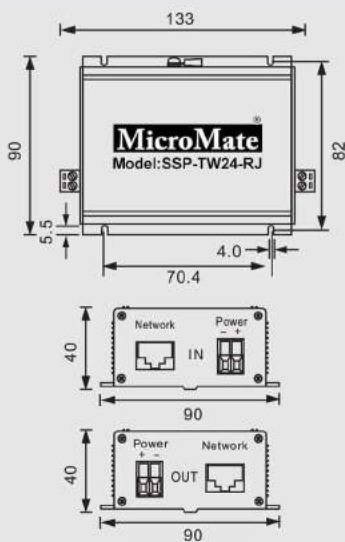
MODEL	SSP-TW12-RJ		SSP-TW24-RJ		SSP-TW220-RJ	
	Power Supply	Network	Power Supply	Network	Power Supply	Network
Protection Range						
Operating Voltage (Un)	12V	5V	24V	5V	220V	5V
Rated Current	1.5A	300mA	1.5A	300mA	5A	300mA
Transmission rate (bit/s)		100M		100M		100M
Nominal Discharge Current (8/20µs) (In)	5KA	5KA	5KA	5KA	5KA	5KA
Max. Discharge Current (8/20µs) (Imax.)	10KA	10KA	10KA	10KA	10KA	10KA
Insertion Loss		≤0.2dB		≤0.2dB		
Voltage Protection Level (Up)	≤120V	≤10V	≤150V	≤10V	≤1.0KV	≤10V
Interface Model	Terminals	RJ45	Terminals	RJ45	Terminals	RJ45
Protected Core Wire		1, 2, 3 and 6 Lines		1, 2, 3 and 6 Lines		1, 2, 3 and 6 Lines
Working Environment	Temperature -40°C~70°C; Relative Humidity <90%					
Shell Material	Aluminium Alloy					
Dimension (W x D x H) mm ³	133 x 90 x 40					
Weight	0.25KG					

Note: Due to the policy of continued product improvement, specifications are subject to change without notice.

Product Installation

1. The unit is suitable for most network camera systems. It is installed in series with the incoming power and network cables. The cables length between the unit and the protected device should be less than 50cm.
2. With reference to the Installation Diagram, connect power and RJ45 network cables and Earth (PE) in accordance with the markings on the unit.
3. The power voltage of the unit should match with the protected device.
4. The unit is for indoor use only. If installed in outdoor environment, it should be housed in a weatherproof enclosure.
5. The recommended sizes for the grounding wire are $BVR \geq 2.5\text{mm}^2$.
6. The grounding wire should be as short as possible and the grounding resistance should be less than 4Ω in order to meet the lightning protection requirement.

Dimensions



Unit: mm

Installation Diagram

