



The Series Surge Protector (SSP) for RJ11 Communication Lines is designed, fabricated and tested according to the IEC international standards.

With users friendly connections, the product helps prevent damages to phones, modems or other RJ11 data interfaces due to transient differences in ground potential, power surges and area lightning strikes. It can be easily installed without any losses of signal quality.

- Communications network surge protection against transient voltage due to induction by interference from various electrical noises, etc. Making use of principle of discharging, clamping and over-voltage filtering, the product can effectively filter high-voltage pulses.
- Core components are selected based on high reliability, multi-level protection and depressed residual voltage.
- Low capacitance design, low insertion loss, excellent transmission performance, fast respond time and long life expectancy.
- Suitable for communications network systems such as PABXs, ADSL or xADSL modems, RJ11 data transmission lines, fax machines, trunks and other electronic equipment using phone lines.

## Technical Specifications

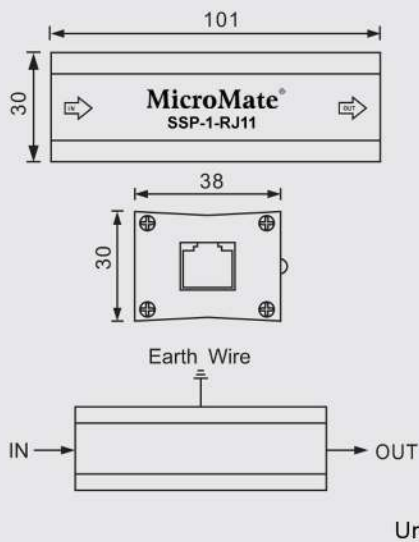
MODEL	SSP-1-RJ11	SSP-4-RJ11	SSP-8-RJ11	SSP-16-RJ11	SSP-24-RJ11
Operating Voltage (Un)	110V				
Rated Current	300mA				
Insertion Loss	≤0.2dB				
Nominal Discharge Current (8/20µs) (In)	5KA				
Max. Discharge Current (8/20µs) (Imax.)	10KA				
Voltage Protection Level (Up)	≤150V				
Interface Model	RJ11				
Protected Core	3, 4	1, 2, 3, 4	1, 2		
Quantity of Protected Ports	1	4	8	16	24
Working Environment	Temperature -40°C~70°C; Relative Humidity < 90%				
Dimension (W x D x H) mm <sup>3</sup>	38 x 101 x 30	75 x 140 x 45	75 x 128 x 45	120 x 360 x 62	120 x 385 x 62
Weight	0.15KG	0.42KG		1.52KG	1.70KG

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

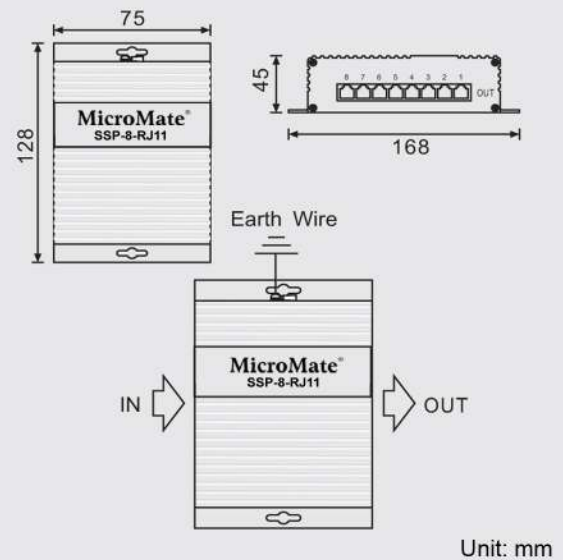
## Product Installation

1. The unit is suitable for most RJ11 communication systems. It is installed in series between the incoming communication cable and the protected equipment.
2. With reference to the Installation Diagram, connect RJ11 communication cables and Earth wire in accordance with the markings.
3. The recommended sizes for the Earth wire are with  $BVR \geq 2.5\text{mm}^2$ .
4. The Earth wire should be as short as possible and the grounding resistance should be less than  $4 \Omega$  in order to meet the lightning protection requirement.

### Dimensions and Installation Diagram



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