

Model: UT-N201

Network lightning protector

Datasheet



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1. Overview

This lightning surge protector refers to the national standard IEC61643-21:2000 / GB/T18802.21 design. With the development of the national economy, the development of the Internet era is increasingly new, the rapid progress in the development of Internet technology. However, it cannot ignore the existence of this or that problem in the development, safety issues are put in the first place. Daily life, lightning damage to electronic equipment is the most serious, the threat of static electricity is also everywhere, in order to the majority of users have a safer use of the environment, the call to improve the reliability of equipment requirements are becoming stronger.

Applicable to control signals, computer network signals, hubs, network cards, network switches, Modem, fax, data communications, etc. as one of the monitoring system overvoltage precise protection from damage caused by induction overvoltage, operating overvoltage and electrostatic discharge.

2. Major Functions & Features

- Support Network lightning protector

3. Technical Parameters

- Rated operating voltage U_n : 5V
- Max. DC operating voltage U_c : 6V
- Max. AC operating voltage U_c : 4.2V
- Rated operating current I_L : 0.12A
- Nominal discharge current (8/20 us) I_n : 5KA
- Max. discharge current I_n : 10KA
- Limiting voltage U_{pl} : $\leq 12V$
- Series impedance characteristics of the line R_o : 10 Ohm
- Capacitance value between line and line C_{ll} : $\leq 3pF$
- Capacitance value between line and ground C_{pe} : $\leq 3pF$
- Response time t_a : < 1 ns
- Operating temperature range: $-40 \sim 85^\circ C$
- Test standard: IEC61000-4-5
- Test level: X
- Insulation resistance: $> 1M \Omega$
- Insertion loss (dB): ≤ 0.5 dB
- Enclosure protection level: IP30
- Dimension: 25 x 40 x 75mm
- Enclosure material: shielded metal aluminum
- Wiring form: terminal block (RJ-45)
- Anti-static Level: 4
- Transmission rate (BPS): 500M

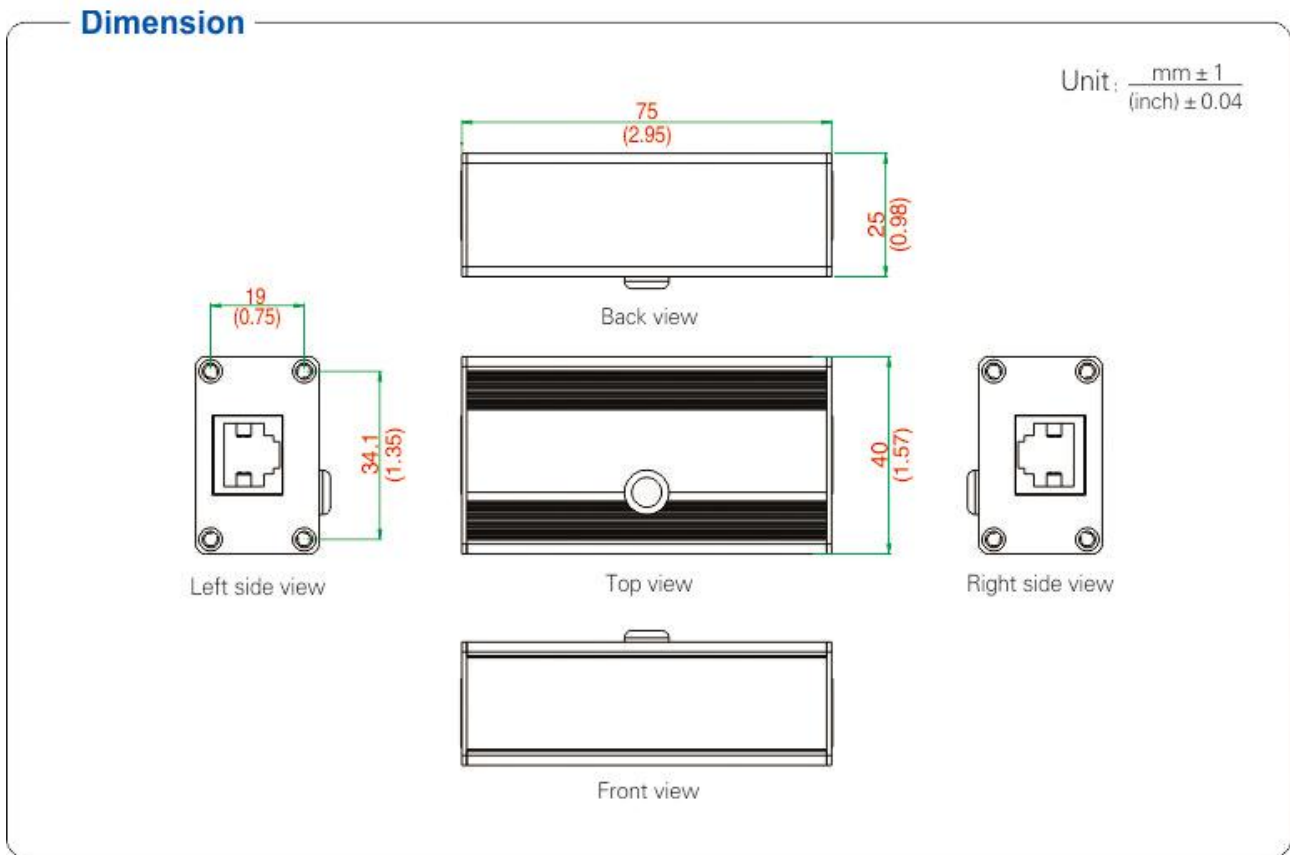
4. Technical Specification

Model	UT-N101	UT-N201
Rated operating voltage Un	5V	5V
Max. DC operating voltage Uc	6V	6V
Max. AC operating voltage Uc	4.2V	4.2V
Rated operating current IL	0.12V	0.12V
Nominal discharge current (8/20 us) In	3KA	5KA
Max. discharge current In	5KA	10KA
Limit voltage Upl	≤12V	≤12V
Series impedance characteristics of the line Ro	10 Ohm	10 Ohm
Line to line capacitance value Cll	≤3 pF	≤3 pF
Capacitance value between line and ground Cpe	≤3 pF	≤3 pF
Response time ta	<1 ns	<1 ns
Operating temperature	-40~85°C	-40~85°C
Test standard	IEC61000-4-5	IEC61000-4-5
Test Level	X	X
Insulation resistance	>1MΩ	>1MΩ
Insertion loss (dB)	≤0.5 dB	≤0.5 dB
Enclosure protection level	IP30	IP30
Dimension	25*40*75	25*40*75
Housing material	Shielded metal aluminum	Shielded metal aluminum
Wiring type	Terminal block (RJ45)	Terminal block (RJ45)
Anti-static level	4	4
Transmission Rate (BPS)	500M	500M

5. Product View (Appearance)



6. Structure Dimension



7. Ordering Information

Model	Signal/ Interface		Interface protection level	Baud rate	Environment			Power	
	IN	OUT			Temperature		Humidity	Port-Power	External power
					-25~70°C	-40~85°C	5~95%		
UT-N201	RJ45	RJ45	5KV-10KV			√	√	√	