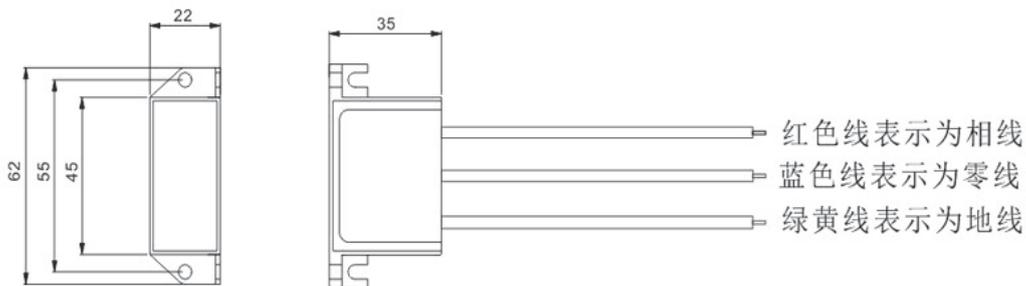
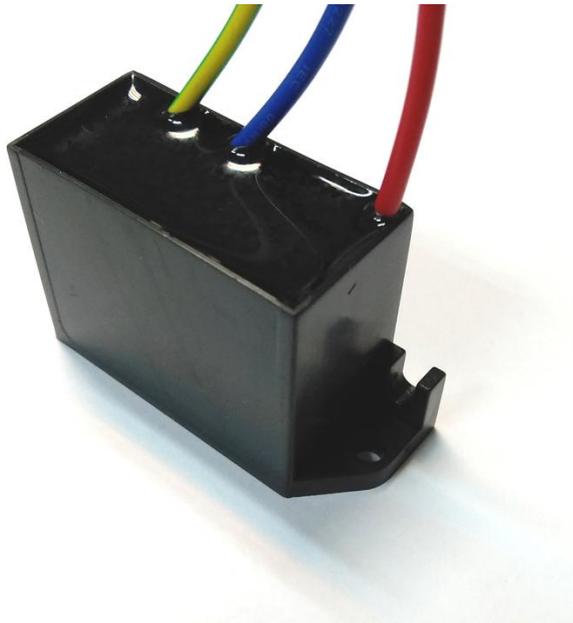


## LED lightning arrester



### Product size chart

### Brief Introduction to product

This product is used for lightning and surge pulse protection of LED lamps. Due to the LED lamps for the core of the device is a semiconductor diode, it can be extremely low or even overvoltage, 5-6V is enough to destroy the lamp beads, so it is necessary to select a special lightning protector to protect the power supply line of the LED from overvoltage and avoid the situation of large-area of LED lamps and black lights in the same area caused by lightning strikes, the developed product of our company has the following characteristics :

1. This product is in parallel, which can timely diagnose working state of the lightning protection and change in time to protect the lamps.
2. It has large absorption capacity for surge, low output residual voltage, small volume, optional waterproof structure, and easy installation.



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### Technical Parameters List

Model	YZPST-LED10B	YZPST -LED20B	YZPST -LED5B
Nominal working voltage Un	110/220/277V	110/220/277V	220V
Maximum continuous working voltage Uc	150/275/320V	150/275/320V	275V
Withstand impact voltage Uoc	10KV	20KV	6KV
Nominal discharge current In (8/20μ s)	5KA	10KA	2.5KA
Maximum discharging current I <sub>max</sub> (8/20μ s)	10KA	20KA	5KA
Voltage protection level Up	1KV	1.5KV	0.7KV
Drain current I <sub>r</sub>	< 5μA		
External dimension	62*22*35mm		
Response time T <sub>a</sub>	≤25ns		
Operating temperature range T <sub>up</sub>	-40°C to +70°C		
Water-proof function	Optional		
Protection grade	IP67		
Sheathing material	Flame retardant thermoplastic material		
Interface mode	Terminals		
Mode of connection	Connection in parallel		
Fault indication	Optional		



## Installation method

- 1) When the voltage parameters of the protector does not match the equipment operating parameter,it may affect the work of circuit. It is recommended to determine the device operating voltage when selecting.
- 2) Plug the power phase line (L) and null line (N)into corresponding connector of the electric surge protector and make sure it's firm and reliable. Connect the ground terminal of arrester with the ground lead of lightning protection appropriately (recommended earth resistance  $\leq 4\Omega$  ).



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