

TRSC-1 intelligent lightning counter

This product can detect and record the number of times surge protection device leakage occurs, that is, the number of times it is subjected to a certain degree of lightning current impact, in order to facilitate users to make statistics and analysis of the lightning situation in specific areas. It can be used in conjunction with various surge protection device and can also be used as a supporting product for lightning protection boxes and other equipment.

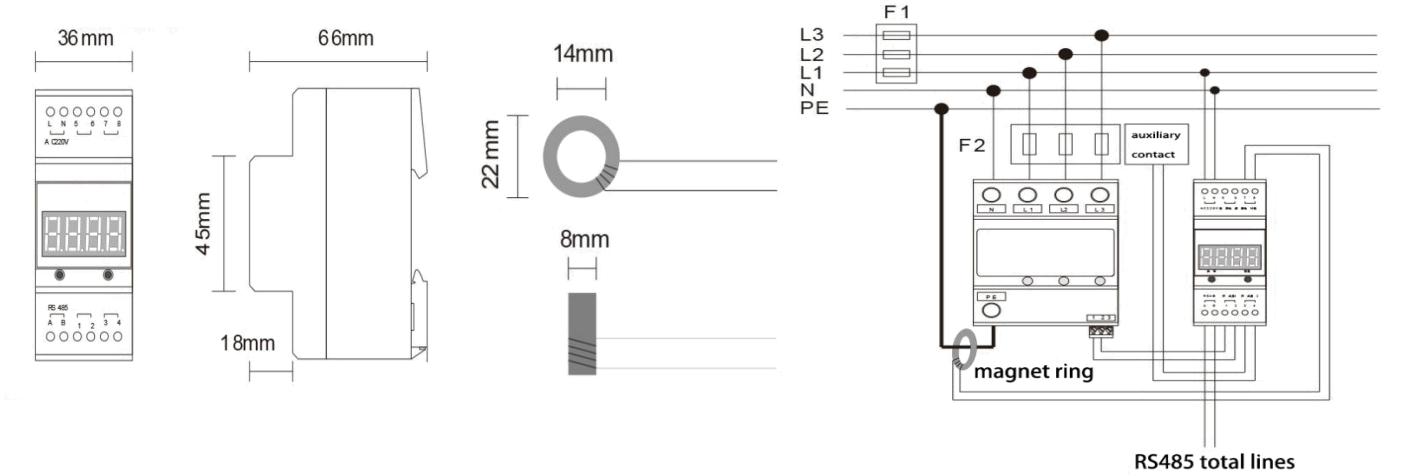
Features:

- 1. 4-digit digital display, clear and easy to distinguish.
- 2. Large dynamic range and strong anti-interference ability.
- 3. Never lose data after power outage.
- 4. Probe induction sampling, high sensitivity, accurate counting.
- 5. Standard 35mm guide rail installation with diverse installation methods and convenient use
- 6. With a variety of protection functions: power and network signals

Product:



Dimension and install diagram:



Product type	TRSC-1
Discharge response	≥2ka (rising ≥8μS)
Counting interval	≥2ns
External power supply	220V~
backup power	5~ 12V~-/
Electric power	≤0.5W
Memory Function One	No data loss when power off
Clear the number of discharges	Long press (>8s)
Discharge times preset	Press for 00.5s lift up, ac-cumulatively 1 time
Scope of wheat owing	0~9999 number
Switch input 1 display	The first decimal point from the left, open circuit is not bright, closed circuit is bright
Switch input 2 display	The second decimal point from the left, open circuit is not bright, closed circuit is bright

Switch input parameters	Passive dry contact access, the access resistance is less than 200Ω
CPU work display	1st decimal point from right
CPU working status	Normal decimal point flashes
Data output one	RS485 (Modbus communication protocol)
Working temperature zone	-40°C~70°C
Wiring specifications	0.5mm ² ~1.5mm ²
Shell material one	Flame retardant plastic
Magnetic ring size one	22mm × 14mm × 8mm
Mounting brackets	35mm Din rail
Enclosure rating	IP20

Installation instructions:

- Before installation, the power must be cut off and live operation is strictly prohibited.
- Adopting a 35mm guide rail installation.
- When installing, please connect according to the installation diagram, where L (3) is the phase line, N (4) is the zero line, PE is the ground wire, and the induction sampling (pins 7 and 8) is connected to the two outgoing lines of the mutual inductance coil. Do not connect them incorrectly. The probe must be installed according to the diagram. Incorrect fixing method of the probe can affect the counting sensitivity of the lightning counter and even lead to inability to count.
- The counting range of the lightning counter is 0-9999
- Reset to zero: Input the lightning counter into the wiring terminal (Reset) to reset the short circuit in holes 1 and 2, and the number of lightning strikes displayed on the screen will be reset to zero.
- Non professionals are not allowed to disassemble.