

Multifunctional Smart SPD monitor



Description

This product is a surge protection device (SPD) online monitoring data collection device, which mainly collects SPD damage status, air switch trip status, SPD false grounding and poor grounding status, and SPD action times; configure standard RS485 port data communication, support wired and Wireless communication mode; it can be used for networking or independent use. It can provide custom programming port for customers to connect with other private protocols.

Application

■ Power equipment monitoring system ■ Railway power distribution monitoring ■ Petroleum, chemical, metallurgy industry ■ New energy ■ Industrial communication field ■ Environmental protection and water conservancy ■ Coal mine, food industry ■ Airport terminal

Feature

Integrate lightning counting, temperature, leakage current data collection

Lightning strike count start threshold is adjustable

Self-lightning protection to ensure that it is not damaged by intrusive surges.

External sensor, strong anti-interference ability, DIN- rail design, easy installation.

Support wired and wireless transmission.

On-site alarm function, even if not connected to the network, on-site management can be easily achieved.

Remote alarm function, through the cloud server, you can remotely monitor any data collected in the terminal to obtain real-time alarm information.

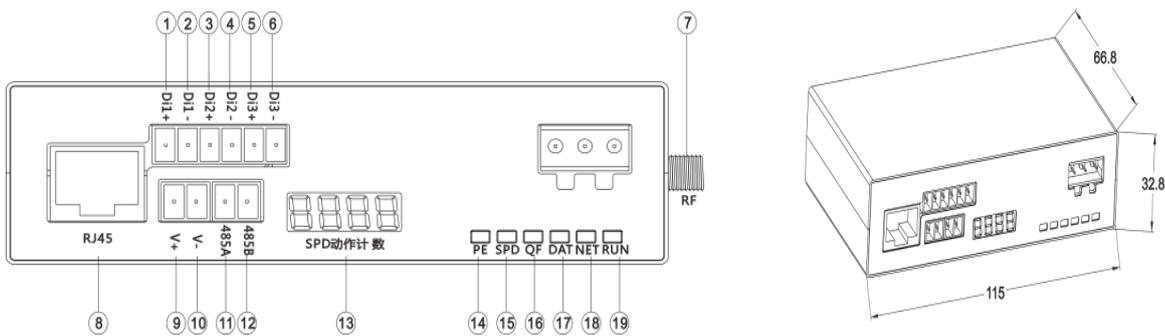
Remote online upgrade; remote debugging

Plug-in terminal wiring

Specification:

item	TD-S006/LD
Place of Origin	China
Brand Name	Techwin
Working voltage	DC9-24V
communication type	RS485/ RJ45
communication protocol	Standard MODBUS/ TCP/IP MQTT
SPD action count	1 line
Counting range	0-9999
Counting threshold	1 KA (factory default)

Leakage collection	3 lines
Range / accuracy of leakage current	0.05-2MA/±10UA
Temperature acquisition/accuracy	2 lines (±5℃)
Range of temperature collection	'-20-105℃
Switch value acquisition	3 lines (remote signalling, air switch, grounding)
Alarm indication	Red LED light is on
IP grade	IP 20
working environment	-20-70℃, Humidity ≤ 95%
Weight per unit	180g
Transmission distance	wireless (2500m visible distance)
Body material	Aluminum shell
Dimension	L115*W66.8*H32.8mm



- ① ② Remote signal monitoring port
- ③ ④ Air switch monitoring port
- ⑤ ⑥ Counting sensor port
- ⑦ Antenna port
- ⑧ network port
- ⑨ Positive pole 12V-24V
- ⑩ negative pole

- ⑪ ⑫ 485Communication port A/B
- ⑬ Counting display
- ⑭ Ground indicator
- ⑮ Lightning protection indicator
- ⑯ Open circuit indicator
- ⑰ Data transmission indicator
- ⑱ Network port indicator

Engineering wiring diagram

