



ASPD-S2 Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.



AVCOMM Technologies, Inc

www.avcomm.us

Email: info@avcomm.us

Phone: (713) 933-4534

Address: 333 West Loop North, Suite 460
Houston, TX 77024
United States

Smart SPD Remote Signaling Module

The ASPD-S2 smart SPD remote signaling module is an advanced monitoring device developed and produced by AVCOMM. It consists of smart SPD remote signaling module and monitoring server software. The device is capable of real-time and accurate monitoring of SPD alarm action, alarm time, lightning strike count, lightning strike amplitude, and SPD lifespan. The device transmits the monitored data information to the server via RS485.



Features

- The equipment is capable of monitoring and collecting alarm signals from the SPD.
- The equipment can monitor the amplitude, polarity, and occurrence time of lightning currents.
- The equipment is equipped with a digital display that provides real-time information, including the latest lightning strike counts and degradation alarm signals.
- The equipment has a lifespan warning function, indicated by the LIFE indicator light.
- The equipment transmits collected data through the RS485 to the computer or server.
- The software can display lightning strike counts, lightning strike amplitude, lightning strike polarity, and the occurrence time.
- The software provides real-time displays of SPD alarm signals and their occurrence times.
- The software allows for querying device information and the operational status of all devices.
- The software enables remote configuration of all devices.



Ordering Information

Model Name	Description
ASPD-S2	Smart SPD Remote Signaling Module, 20 kA~200kA, RS485, 9~12VDC, -40 °C ~ 85 °C, IP30



Specifications

Technology	
Power	9 ~ 12VDC
Amplitude Measurement Error %	$\leq \pm$ (standard value*10 %+1%*FS)
Alarm Time	Year, month, day, hour, minute, second, millisecond
Amplitude Measurement Range	Maximum Measured Amplitude (FS)
	Minimum Measured Amplitude
SPD Alarm Signal Monitoring Channel	1 ↑
Communication	RS485
Average System Power Consumption	$\leq 0.6W$
Mechanical	
Dimension	112mm×18mm×67mm
Ingress Protection	IP30
Environmental	
Operating Temperature & Humidity	-40 °C ~ 85 °C, ≤ 95 %
Storage Temperature & Humidity	-40 °C ~ +70 °C, ≤ 85 %
Altitude	86 kPa ~ 106 kPa
Warranty	3 years

Function Interface

POWER:

The red indicator light indicates that the product is powered on and operating normally. The indicator light off indicates that the product is not powered on and operating abnormally.

RST:

When the work status indicator light is red, pressing this button will reset the counter.



Digital Display:

Number: Real-time lightning strike count.

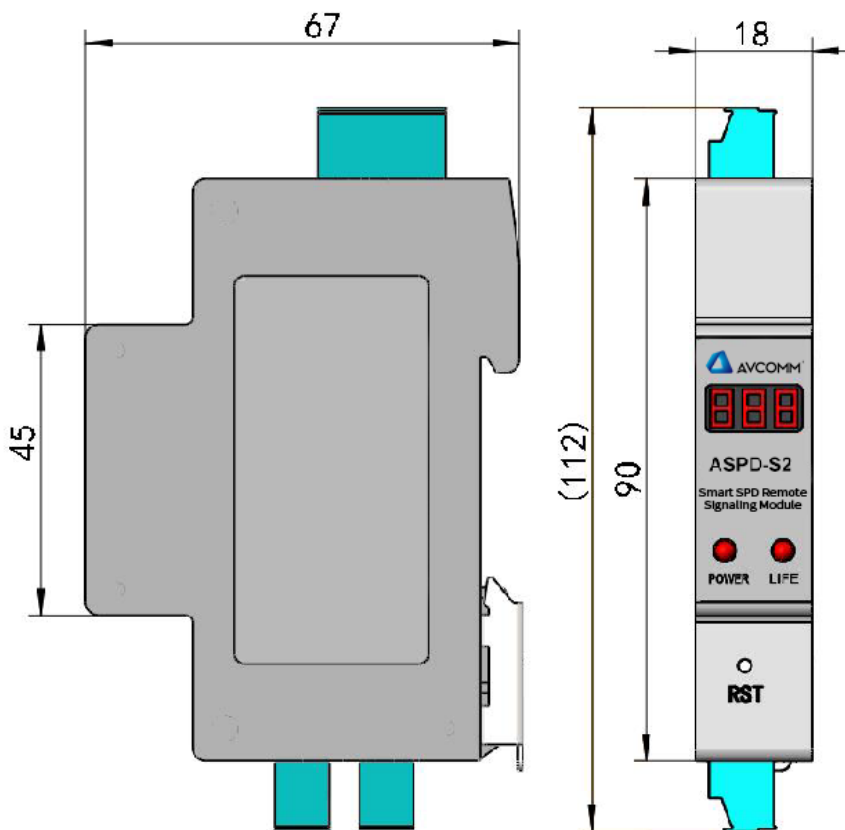
dF: SPD remote signal alarm.

Note: When the SPD remote signal alarm occurs, it is always with the SPD lifespan warning.

LIFE:

The indicator light off indicates that the SPD is operating normally, while the indicator light on indicates the SPD lifespan warning, prompting the user to replace the SPD module with a new one.

Installation dimensions



Unit: mm



Connection Method

