

4.1 Power Supply Module

A power supply module is connected to a 100 to 120 V AC or 220 to 240 V AC or 24 V DC main source and supplies insulated +5 V and +24 V to each installed I/O module through the back board.

The +5 V and +24 V outputs support dual-redundant insulated output operation.

Power supply modules available to ProSafe-RS: SPW481 (100-120 V AC), SPW482 (220-240 V AC), SPW484 (24 V DC)

■ Configuration

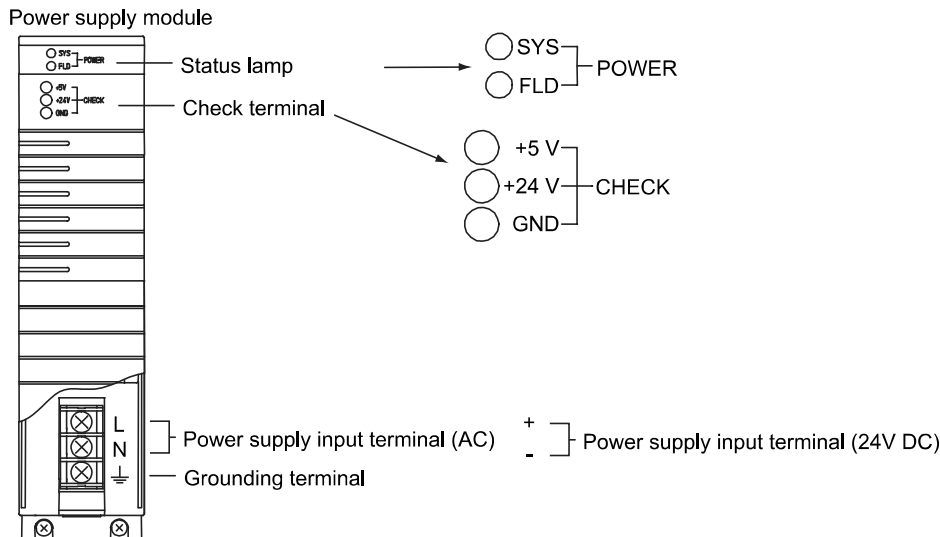


Figure 4.1-1 Power Supply Module

● Power Supply Input Terminal

This terminal receives the specified power supply voltage.

- L (+) : Line
- N (-) : Neutral
- Grounding terminal: For grounding

SEE ALSO

For more information about removing power supply module, refer to:

7.2.2, "Replacing Power Supply Module" on page 7-8

For more information about power distribution unit, refer to:

4.9, "Power Distribution Unit" on page 4-25

For more information about models of Yokogawa power distribution units and power cables, refer to:

3.1, "Power Cable Wiring" on page 3-2

● Status LEDs

- SYS: The lamp is ON when +5 V is output properly. Otherwise, the lamp is OFF.
- FLD: The lamp is ON when +24 V is output properly. Otherwise, the lamp is OFF.

● Check Terminal

It is possible to measure output voltages of +5 V DC and +24 V DC using these terminals for maintenance purposes.