

AMIKON TECHNICAL INTELLIGENCE

Installation Instructions

Mean Well SP-240-24
240 W enclosed 24 V switching power supply



OFFICIAL SP-240 SERIES PRODUCT IMAGE

OUTPUT	INPUT	SIZE	COOLING
24 V / 10 A	88-264 V AC	190 x 93 x 50 mm	Built-in fan

Prepared by Amikon Limited from official Mean Well SP-240-SPEC data. This quick guide does not replace electrical codes, site procedures, or the complete manufacturer specification.

01

CONFIRM THE ORDERED CONFIGURATION

Model	SP-240-24
Input	88-264 V AC or 124-370 V DC
Output	24 V DC, 10 A, 240 W
Adjustment	20-28 V DC
Protection	Short circuit, overload, overvoltage, overtemperature
Cooling	Forced air by built-in DC fan

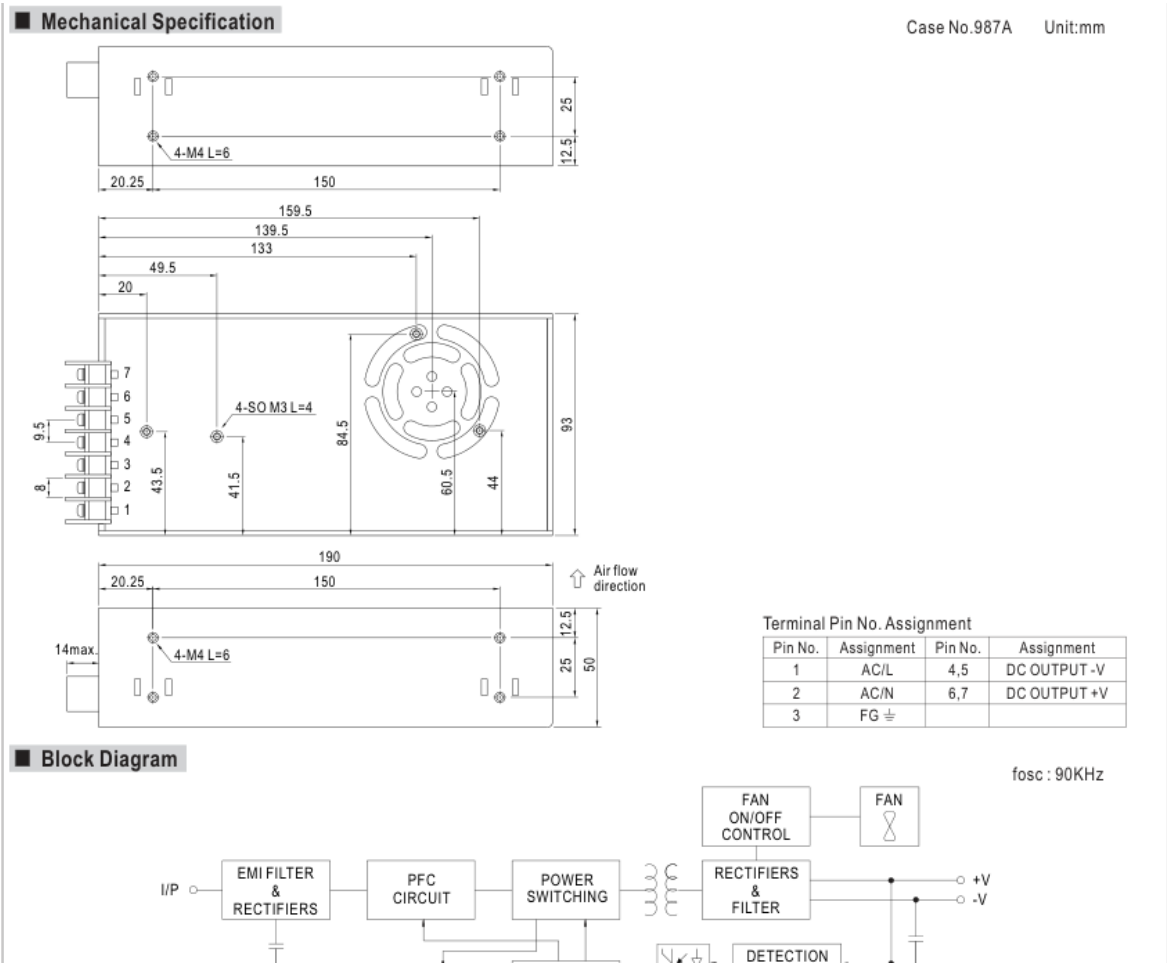
02

MECHANICAL MOUNTING

- Verify the complete model number and approval markings before installation.
- Mount the enclosed supply where the 190 x 93 x 50 mm body is supported and protected.
- Keep ventilation openings and the fan exhaust unobstructed.
- Use the M4 mounting points shown in the official mechanical drawing.
- Provide protective-earth bonding before connecting the input conductors.

03 MECHANICAL INSTALLATION DRAWING

The official Mean Well drawing below defines enclosure dimensions, M4 mounting points, terminal positions, and airflow direction for the SP-240 series.



Terminal assignment: 1 AC/L, 2 AC/N, 3 FG, 4-5 DC output -V, 6-7 DC output +V. Unit: mm. Source: Mean Well SP-240-SPEC mechanical specification.

04

WIRING AND CONNECTION

- Isolate all input power and verify absence of voltage before wiring.
- Connect protective earth, then the input conductors, then the 24 V DC load.
- Observe output polarity and keep the total connected load within 10 A.
- Use conductors and overcurrent protection suitable for the installation and applicable codes.
- Keep wiring clear of the fan and ventilation openings.

05

INITIAL SETUP AND SYSTEM CHECKS

- Check terminal tightness and protective-earth continuity before energizing.
- Verify the unloaded output voltage before connecting sensitive control equipment.
- If adjustment is required, remain within the specified 20-28 V range.
- Confirm stable output under load and monitor cabinet temperature during commissioning.
- Investigate overload or thermal shutdown before returning the equipment to service.

06

CONTROLLED DOCUMENTS

SP-240-SPEC	Mean Well SP-240 series specification
Mechanical page	Dimensions, mounting, terminals, block diagram and derating curves

Official source: Mean Well SP-240-SPEC. Obtain current controlled documentation from Mean Well before installation or replacement.