

1. Safety Instructions

- To ensure sufficient convection cooling, always maintain a safety distance of $\geq 50\text{mm}$ from all ventilated surfaces while the device is in operation.
- The device is not recommended to be placed on low thermal conductive surface, for example, plastics.
- Note that the enclosure of the device can become very hot depending on the ambient temperature and load of the power supply. Do not touch the device while it is in operation or immediately after power is turned OFF. Risk of burning!
- Do not touch the terminals while power is being supplied. Risk of electric shock.
- Prevent any foreign metal, particles or conductors from entering the device through the openings during installation. It may cause: Electric shock; Safety Hazard; Fire; Product failure
- Warning: When connecting the device, secure Earth connection before connecting L and N. When disconnecting the device, remove L and N connections before removing the Earth connection.
- CAUTION:** "FOR USE IN A CONTROLLED ENVIRONMENT"
« Pour utilisation en environnement contrôlée ».

2. Device Descriptions

Refer to Fig. 1.:

- ① Input terminal block connector
- ② Output terminal block connector
- ③ DC voltage adjustment potentiometer
- ④ Signal Connector
- ⑤ DC OK control LED (Green)
- ⑥ DC Fan

3. Installation of the Device

The unit is protected with internal fuse (not replaceable) at L pin and it has been tested and approved on 20A (UL) and 16A (IEC) branch circuits without additional protection device. Refer to Fig. 2.:

- (A) Mounting holes for power supply assembly onto the mounting surface. The power supply shall be mounted on minimum 4 mounting holes using M4 screw.
- (B) Input / Output connector
- (C) This surface belongs to customer's end system or panel where the power supply is mounted.

- Use flexible cable (stranded or solid) of AWG No. 14-12. The torque at the Input connector shall not exceed 11.98Kgf.cm. The torque at the Output connector shall not exceed 16.59Kgf.cm. The insulation stripping length should not exceed 0.275" or 7mm (Refer to Fig. 3).

4. Installation of Mounting Accessories

Refer to Fig. 4.:

- Only use M4 screw $\leq 4.5\text{mm}$ through the base mounting holes. This is to keep a safe distance between the screw and internal components.
- Recommended mounting torque for tightening: 4~8Kgf.cm.

5. Power De-rating for Horizontal Mounting Orientation

- $> 50^\circ\text{C}$ de-rate power by 2% / $^\circ\text{C}$ (Refer to Fig. 5).

6. Input Voltage De-rating Curve

- Output de-rating is required at 85-110Vac (Refer to Fig. 6).

7. Maximum 5000 Meters Operating Altitude

REV. 02

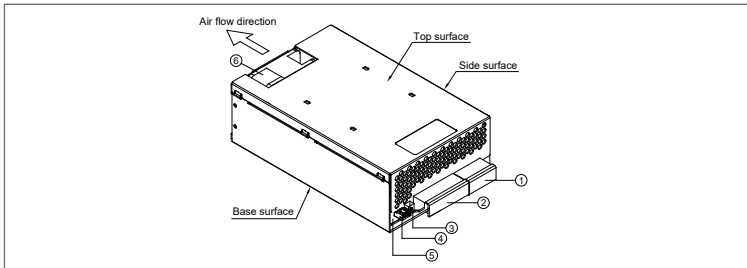


Fig. 1. Device Descriptions

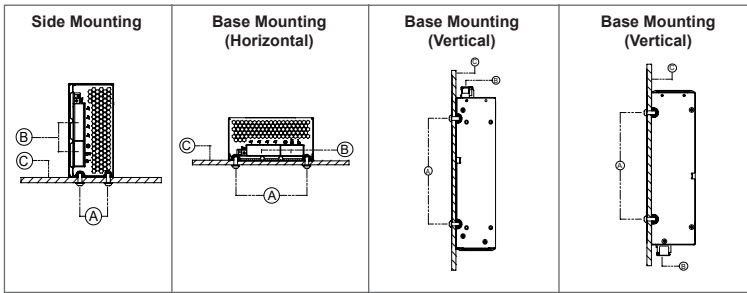


Fig. 2. Mounting Orientations

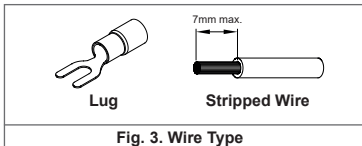


Fig. 3. Wire Type

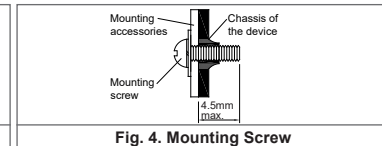


Fig. 4. Mounting Screw

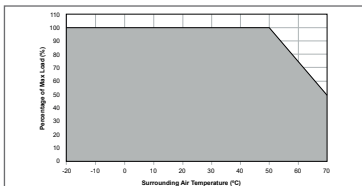


Fig. 5. Output Load De-rating

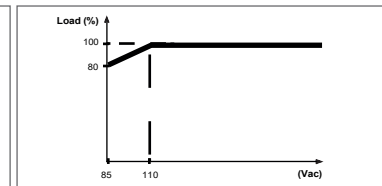


Fig. 6. Input Voltage De-rating Curve