## RHINO PSH-xx-240 Power Supplies Installation Instructions

## READ INSTRUCTIONS BEFORE INSTALLING OR OPERATING THIS DEVICE. KEEP FOR FUTURE REFERENCE.

## Safety Instructions and Warnings

- Do not open the device!
- Before any installation or maintenance, ensure that the main switch is switched off and prevented from being switched on again.
- The device must be installed and put into service by qualified personnel only.
- Never work on the device if power is applied.
- Risk of electric arcs and electrical shock, which can cause death, severe personal injury or substantial property damage.
- The unit must be connected to the mains supply in compliance with national regulations (e.g., VDE0100 and EN50178). All wire strands must be fastened in the terminal blocks. (Potential danger of contact with the case.)
- All input and output wires must be properly rated for the power supply and must be connected with the correct polarity (Fig. 3).
- The Power Supply wiring must be sufficiently fused.
- Sufficient cooling must be ensured (Fig. 2).
- Do not introduce any objects into the device.
- The output voltage adjustment potentiometer may only be actuated using an insulated screwdriver.
- Keep away from fire and water.
- The internal fuse is not accessible. If this internal fuse has blown, the power supply has an internal defect and, for safety reasons, must be replaced.
- This device is designed for use in a clean, dry environment.
- The device must be mounted in an enclosure in the end application and must not be accessible in operation.


## Installation Instructions

- The device can be mounted onto 35 mm DIN rails, compliant with the specifications of DIN EN 50022. Observe the requirements for ventilation space above and below the device (Fig. 2).
- The standard mounting orientation is with input terminals at the bottom.
- Alternative side-mounting for flat panels: The case offers the potentially useful feature to fix the DIN-rail clip to the side wall to mount inside flat panels.


## Recycling

- The device contains elements that are suitable for recycling, and components that need special disposal. You are therefore requested to make sure that the device will be recycled at the end of its service life.

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Fig. 1
RHINO PSH-xx-240
Power Supplies

| Identifitication of Features (Fig.1) |  |
| :---: | :--- |
| 1 | Input Terminal L |
| 2 | Input Terminal N |
| 3 | Input Terminal GND |
| 4 | Output Voltage adjustment potentiometer |
| 5 | DC ON LED |
| $6 / 7$ | DC OK Contact |
| 8 | Output Connection Terminal + |
| 9 | Output Connection Terminal + |
| 10 | Output Connection Terminal - |
| 11 | Output Connection Terminal - |

Fig. 2
Fig. 3


| Whring Specifications (Sce Fig. 3) |  |  |
| :---: | :--- | :--- |
| A | Wire Size, Output | $16-10$ AWG |
| B | Wire Size, Input | $18-10$ AWG |
| C | Strip Length | $10 \mathrm{~mm}[0.39 \mathrm{in}]$ |
| D | Tightening Torque | $0.7 \mathrm{~N} \cdot \mathrm{~m}[6.2 \mathrm{lb} \cdot \mathrm{in}]$ |

FOR TECHNICAL ASSISTANCE CALL 770-844-4200




[^0]:    Notes for Technical Specifications Table:

    1. Output voltage can be adjusted as indicated. However, output power has to be maintained at nominal value. This means the output nominal current has to be reduced in accordance with the increase of output voltage.
    2. In case of an internal error, a second voltage regulation loop keeps the output voltage at a safe level, and the power supply turns off and restarts after 10 seconds.
    3. When external voltage is supplied above set output voltage and below OVP threshold, the power supply will function normally without switch off or destruction, even if external voltage is applied continuously.
    4. In case of overload or short circuit, the unit switches the output voltage off after 4 seconds and tries to restart every 10 seconds.
