

# DR-120-24 Quick Installation Guide

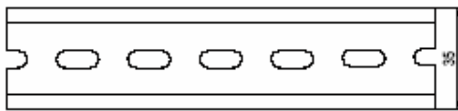
Follow the installation, wiring, and connection instructions specified below before using switching power supplies.



## 1. Installation

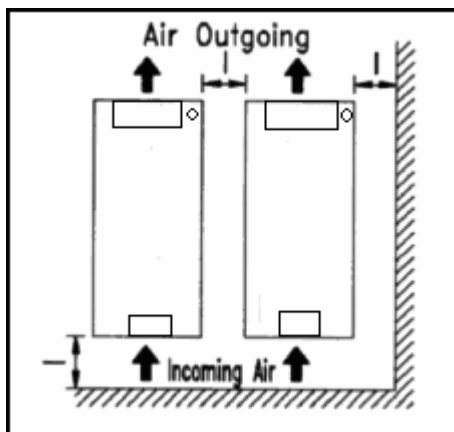
### 1.1 Mounting the power supply

- a. Make sure the unit is properly ventilated.
- b. Mounting the power supply into the DIN-rail track.



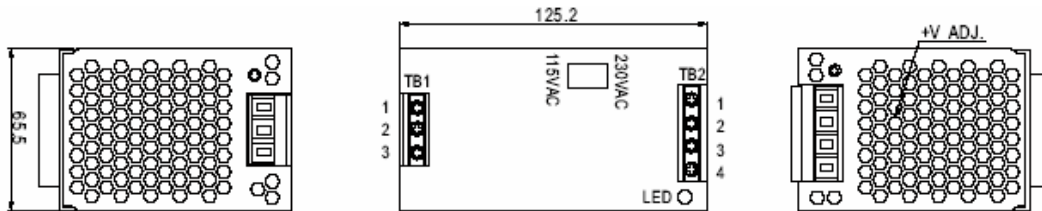
Admissible DIN-Rails: TS35/7.5 or TS35/15

- b.1 Insert the upper end of the DIN-Rail clip into the back of the DIN-Rail track from its upper side.
- b.2 Pull down the plastic bar and push the bottom of the DIN-Rail clip into the track
- b.3 Release the plastic bar and Check if the DIN-Rail clip is tightly attached on the track
- c. Make sure the unit has proper heat conduction. Do not cover the top and bottom wall surface of the unit.
- d. When you install two or more power supplies, leave enough space for cooling.
- e. Forcing air over the unit will improve heat dissipation.



## 2. Wiring and Connections

### 2.1 AC Power Input and DC Output wiring




**2.1.1 Connecting to DC Output:** Insert the positive and negative wires into the +V (Pin 1 or 2) and -V (Pin 3 or 4) terminal contact of TB2, tighten terminal screws to prevent DC Output wires from being loosened. Please be sure to connect DC wires with correct polarity.

#### Terminal Pin No. Assignment (TB 2) DC Output

Pin No.	Assignment
1, 2	DC OUTPUT +V
3, 4	DC OUTPUT -V

**2.1.2 Connecting to AC power Input:** Insert AC power lines into terminal contact of Pin 2 & Pin 3 of TB1, tighten terminal screws to prevent AC wires from being loosened.

#### Terminal Pin No. Assignment (TB 1) AC Power Input

Pin No.	Assignment
1	FG/ 
2	AC/ N
3	AC/ L

**2.1.3 Connecting to Frame Grounding (FG):** Connect the frame grounding (Pin 1 of TB1) of switching power supply to the frame ground of the equipment with a short, thick wire to ensure safety and prevent noise.