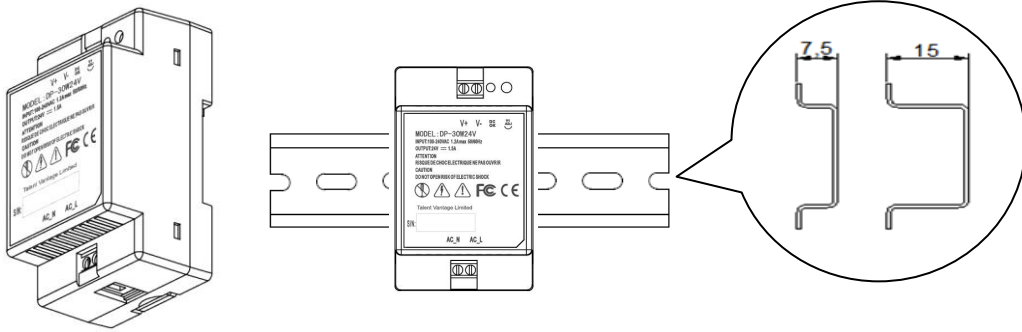


DIN-Rail Power Supply Quick Installation Guide

I. INTRODUCTION:

DP-30W Series DIN-Rail Power Supply can be mounted on TS35/7.5 or TS35/15 standard DIN Rail.

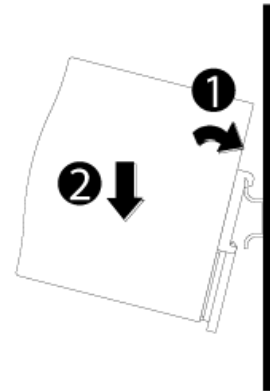


II. INSTALLATION

II-1. DIN-Rail Mounting

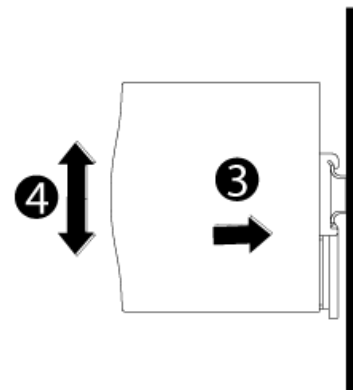
Please follow below instruction to mount the DIN-Rail Power Supply on the DIN-Rail track.

1. Insert the unit upper end of the DIN-Rail mounting bracket into the DIN-Rail track from its upper side.
2. Slide it downward until it hits the stop.
3. Lightly push the bottom of the DIN-Rail mounting bracket into the track.
4. Check if the DIN-Rail mounting bracket is tightly attached to the track.



NOTE:

- Mount the unit on DIN-Rail rack in vertical position to keep the input terminals at the bottom and output on the top. Other positions are not allowed such as desktop, upside down or horizontal mounting.
- Disconnect AC power before installing wiring.



DIN-Rail Power Supply Quick Installation Guide

II-2. Wiring AC Power Inputs and DC Output

1. Maintaining good ventilation clearances for DIN Rail power supply, 10mm left and right, 40mm above and 20mm below, in order to prevent it from overheating.
2. To dissipate heat, please keep 15cm away from the adjacent heat source.
3. The AC input (100-240V) and DC output (22.8-25.2V) wire recommended at least 0.8mm² (AWG18) and UL1007 (withstand temperature > 80°C).

AWG	18
Rated Current of Equipment(Amp)	7A
Cross-section of Lead (mm ²)	0.8mm ²

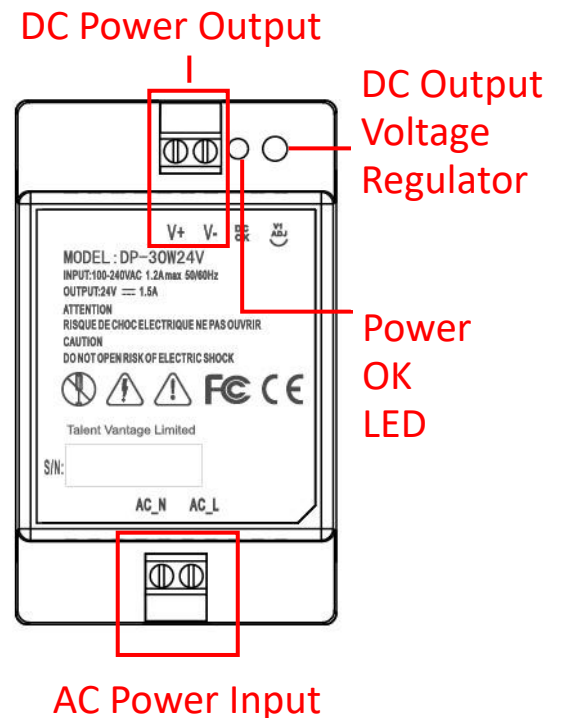
4. Recommended wire strapping length: 6.5mm(0.255")

5. AC Power Input Wiring:

For AC (100~240V) power input wiring, please connect to L (Live line), N (Null Line) and GND (Ground) terminals. Tighten the screws to prevent the wires from loosening.

6. **DC Power Output Wiring:** Insert the Negative / Positive DC wires into the PWR terminals (V+, V-) respectively. Tighten the screws to prevent the wires from loosening.

7. **“+ V Adj”** **DC Output Voltage Regulator** can adjust the DC voltage from 22.8V to 25.2V



DIN-Rail Power Supply Quick Installation Guide

III. LED STATUS

Function	Status	Description
DC OK	On (Green)	Power on, ready to supply DC 22.8-25.2V
	Off	Power off or malfunction

IV. PRODUCT SPECIFICATION

Model		DP-30W series
Output	Rated voltage	24V
	Rated current	1.5A
	Current range	0-1.5A
	Rated power	36W
	Ripple	<150mV
	Voltage regulation	±1%
	Adjustable output voltage range	22.8-25.2VDC
Input	Voltage range	100-240VAC
	Frequency range	47Hz-63Hz
Protection Functions	Short circuit protection	Swing self-recovery
	Over current protection	Swing self-recovery
Environment	Working temperature	-25°C to 70 °C
	Operating humidity	20% - 90%RH non-condensing
	Storage temperature	-40 °C to 85 °C
	Store humidity	10% - 95%RH non-condensing



DIN-Rail Power Supply Quick Installation Guide

Warning / Caution!!

- (1) Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician.
Please do not remove the case of the power supply by yourself!
- (2) Risk of electric arcs and electric shock (danger to life). Connecting both the primary and the secondary sides together is not allowed.
- (3) Risk of burn hazard. Do not touch the unit in operation and shortly after disconnection!
- (4) Risk of fire and short circuit. The openings should be protected from foreign objects or dripping liquids.
- (5) Only install the unit in a pollution degree 2 environment .
- (6) Please do not install the unit in places with high moisture or near the water.
- (7) Please do not install the unit in places with high ambient temperature or near fire source.
- (8) Output current and output wattage must not exceed the rated values on its specification.
- (9) Pollution Degree 2 applies where there is only non-conductive pollution that might temporarily become conductive due to occasional condensation. Generally refer to dry, well-ventilated locations, such as control cabinets.