

PS Series Power Supply

Kinco

Installation Instruction



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1. Caution

- PS2401/PS2405/PS2405 is an OPEN-TYPE device. It should be installed in a control cabinet free of airborne dust ,humidity,electric shock and vibration.To prevent non-maintenance staff from operating PS2401/PS2402/PS2405,or to prevent an accident from damaging PS2401/PS2402/PS2405,the control cabinet in which PS2401/PS2402/PS2405 is installed should be equipped with a safeguard.For example, the control cabinet in which PS2401/PS2402/PS2405 is installed can be unlocked with a special toll or key.
- Connect the AC input (100VAC~240VAC)to terminals L and N.Any 110VAC or 220VAC connected to the +24V terminal will permanently damage the PS2401/PS2402/PS2405.
- Please use O-type or Y-type terminals for I/O wire terminals.
- Make sure that the ground terminal on PS2401/02/05 is correctly grounded in order to prevent electromagnetic interference.

2. Electrical Specifications

| MODEL | | PS2401 | PS2402 | PS2405 |
|-------------|----------------------|-----------------------------------------------------------------------|----------|----------|
| OUTPUT | DC VOLTAGE | 24V | 24V | 24V |
| | RATED CURRENT | 1A | 2.5A | 5A |
| | CURRENT RANGE | 0~1A | 0~2.5A | 0~5A |
| | RATED POWER | 24W | 60W | 120W |
| | RIPPLE & NOISE(Max.) | 200mVp-p | 200mVp-p | 200mVp-p |
| | VOLTAGE TOLERANCE | ±2% | ±2% | ±3% |
| INPUT | VOLTAGE RANGE | 100~240VAC | | |
| | FREQUENCY RANGE | 47~63Hz | | |
| PROTECTION | SHORT CIRCUIT | Hiccup Mode, Recovers automatically after fault condition is removed. | | |
| ENVIRONMENT | WORKING TEMP. | -20℃~+50℃ | | |
| | WORKING HUMIDITY | 20 ~ 90% RH Non-condensing | | |
| | STORAGE TEMP. | -40℃ ~ +85℃ | | |
| | STORAGE HUMIDITY | 10 ~ 95% RH | | |

3. Troubleshooting

Judge the errors by the indicators on the front panel. When errors occurred on PS2401/02/05, please check : "POWER" LED.

The "POWER" LED at the front of the MPU will be lit (in green) if the power is on. If the indicator is not ON when the MPU is powered up, please check if power supply is normal. If the indicator is not on when the MPU is powered up and with the input power being normal, it is an indication that the PLC is malfunction. Please have this machine replaced or have it repaired at a dealer near you.

4. Installation and Dimensions

DIN Rail Installation:

1. The PS series power supply can be mounted to a cabinet by using the DIN rail that is 35mm high with a depth of 7.5mm. On the bottom of the PS series power supply is a white retaining clip. To mount the PS to the DIN rail, place it onto the rail and gently push up on the clip. To remove it, pull down on the retaining clip and gently pull the PS power supply away from the DIN rail.

3. For heat dissipation, a 10-15 cm clearance must be kept when the adjacent device is a heat source.

Dimensions:

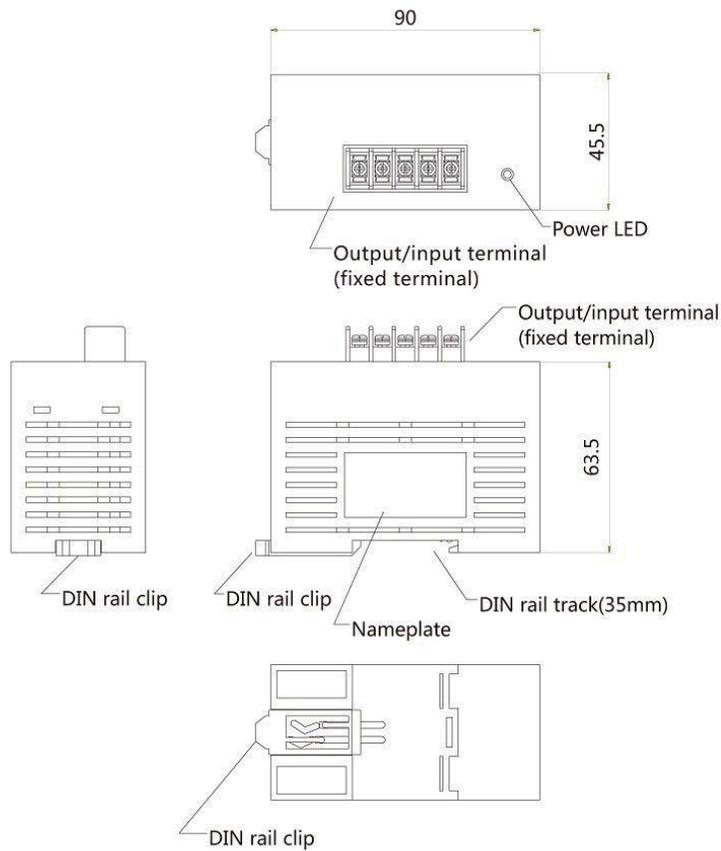


Fig.1 Dimension of PS-2401/PS-2402

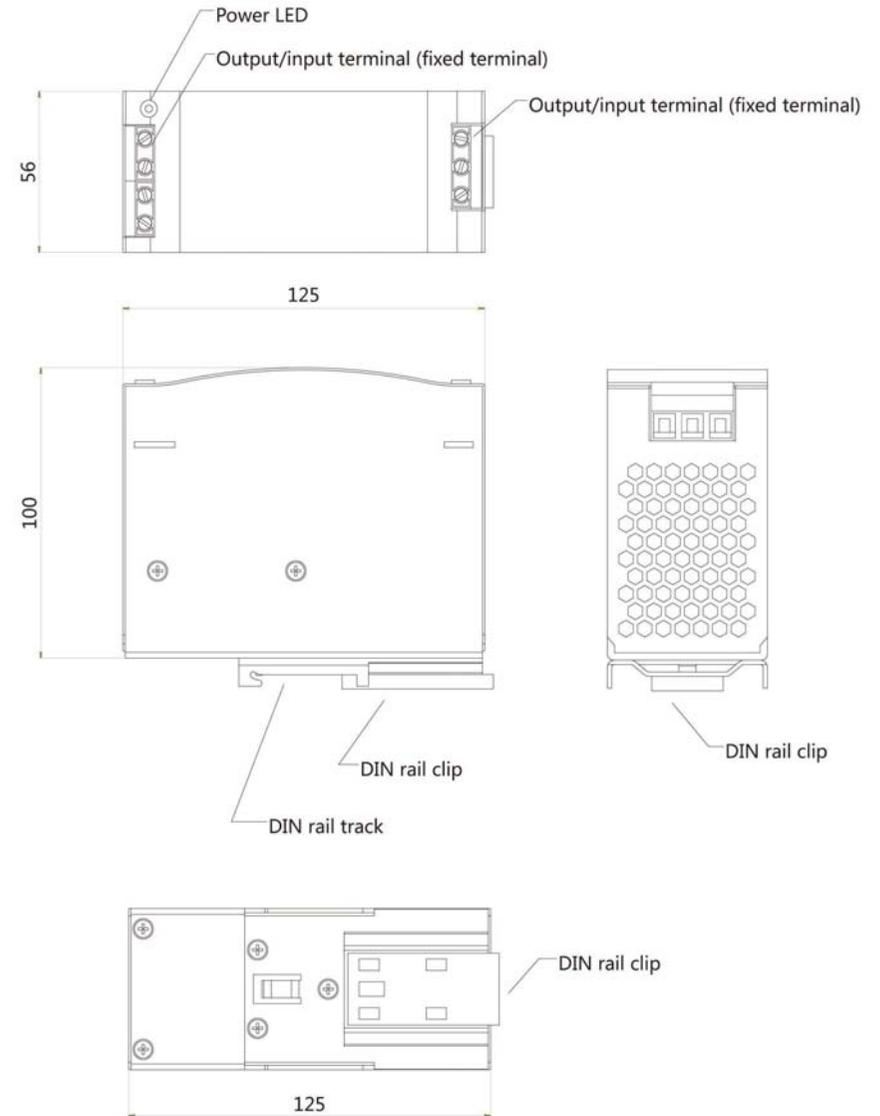


Fig.2 Dimension of PS-2405