

# NP-9600 SERIES DC REGULATED POWER SUPPLY

## USER'S MANUAL

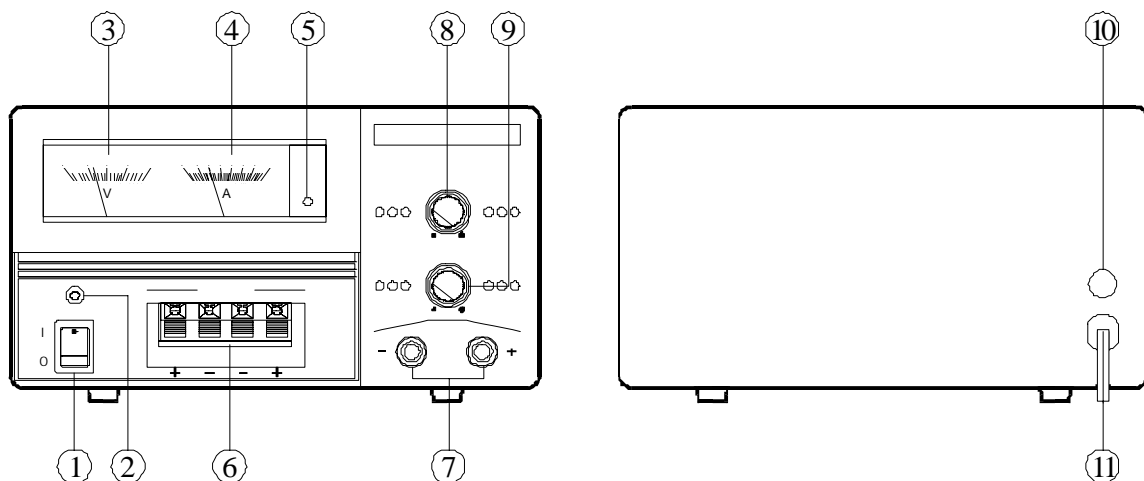
### I. GENERAL

The NP-9600 Series DC Regulated Power Supply is a completely solid state, compact, well regulated, constant voltage power supply suitable for service field, hobby & telecommunication equipment use. It provides three different voltages output for different usage.

### II. FEATURES

1. Overload and Short Circuit Protection: Prevent the unit from overload and short circuit. When the unit is under the condition of overload or short circuit, the output current will be limited.
2. Independent 5V, 12V Easy Snap-On output terminals to make it easy to use for TTL and CMOS circuit testing. The grounding of the output terminals is independent that the output can be connected in series to make a higher output voltage.

### III. FRONT AND REAR PANELS



1. ON/OFF Switch
2. Power Indicator
3. Voltmeter
4. Ammeter
5. Current Limited Indicator
6. Easy Snap-On Output Terminals

7. Screw-On Output Terminal
8. Voltage Adjustment Knob
9. Current Adjustment Knob
10. Fuse Holder
11. Power Cord

### IV. OPERATION

#### **A. Installation:**

1. Place the unit in a location where allows free air circulation.
2. **DO NOT** places the unit in high humid, dusty and/or sunshiny places.
3. Put the unit horizontally for accurate meters' readings (for NP-9603).
4. The input power source must be  $\pm 5\%$  of the rated input voltage.

*Note: The power supply is for indoor use only.*

## B. Caution:

1. **DO NOT** use the unit for equipment that requires higher current ratings than the unit is designed for, otherwise damage could occur to the unit.
2. **DO NOT** replace the fuse before ceasing the problems and assigned value of fuse must be used in place.
3. If the external flexible cable or cord of this damage, it shall be replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
4. That the installation of the supply cord and plug shall be installed and protected in accordance with national wiring rules.

## C. Safety Precautions:

The following precautions **MUST** be read carefully to prevent from electric shock.

1. **NEVER** remove the metal cover of the power supply while power source is connecting.
2. **NEVER** touch the power supply when your hand is wet.
3. **NEVER** operate the power supply if foreign materials such as metallic objects, water or other debris have fallen inside. Contact your dealer for check and repair.
4. **NEVER** operate the unit that was being damaged. As the voltage regulation circuitry may have been disabled, the resulting high DC voltage could cause damage to your equipment.
5. **NEVER** allow foreign objects to touch the output terminals.
6. **NEVER** repair the unit or inspect the interior part by yourself if it is damaged or working abnormally. Contact your dealer for check of repair.

## D. Connection and Operation:

1. Turn ON the unit and adjust the unit to suitable output voltage.
2. Turn OFF the unit and the equipment.
3. Connect the equipment to the unit. Positive polarity to red (+) and negative polarity to Black (-).
4. Turn ON the unit first and then turn ON the equipment.
5. When an operation is finished, turn OFF the equipment first and then turn OFF the unit.

## V. SPECIFICATIONS

	NP-9603	NP-9613
OUTPUT VOLTAGE:	0-30Vdc	
OUTPUT CURRENT:	0-3A	
FIXED OUTPUT:	5Vdc/0.5A and 12Vdc/0.5A	
RIPPLE & NOISE:	5mV <sub>r.m.s.</sub>	
LINE REGULATION:	10mV	
LOAD REGULATION:	15mV	
POWER SOURCE:	230Vac/50Hz (120Vac/60Hz or on request)	
METERS TYPE:	Analog - Class 2.5	Digital - LCD
DIMENSION:	205mm × 115mm × 230mm	
WEIGHT:	Approx. 5Kg	