



NAPCO®

333 Bayview Avenue
Amityville, New York 11701
For Sales and Repairs, (800) 645-9445
For Technical Service, (800) 645-9440

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NP-P10A

10 AMP POWER SUPPLY / CHARGER

WI1328C 12/05



DESCRIPTION

This variable-purpose power supply is suitable for many different applications for security, access control and CCTV system accessories that need supplementary power. The NP-P10A power supply/charger converts low voltage AC input into 12VDC or 24VDC @ 10 Amps of continuous supply current (see features).

FEATURES

- Maximum charge current 700mA.
 - Automatic switch over to stand-by battery.
 - Thermal overload and short circuit protection.
 - Battery is fuse protected.
 - AC input and DC output LED indicators.
 - Includes battery leads.
 - Dip switch selectable 12VDC-24VDC output.
 - 10 Amps continuous supply current at 12VDC-24VDC*.
 - Filtered and electronically regulated output.
 - Built-in charger for sealed lead acid or gel type batteries.
- Board dimensions: 179.32mm (L) x 108.71mm (W) x 60mm (H)
* Specified at 25° C ambient.

VOLTAGE OUTPUT/TRANSFORMER SELECTION TABLE

Voltage	Dip Switch Position	Transformer / Output Rating
12VDC @ 10 Amps continuous supply current	1. ON 2. OFF	P-TRF28175
24VDC @ 6 Amps continuous supply current	1. ON 2. ON	P-TRF28175
24VDC @ 10 Amps continuous supply current	1. ON 2. ON	P-TRF28300

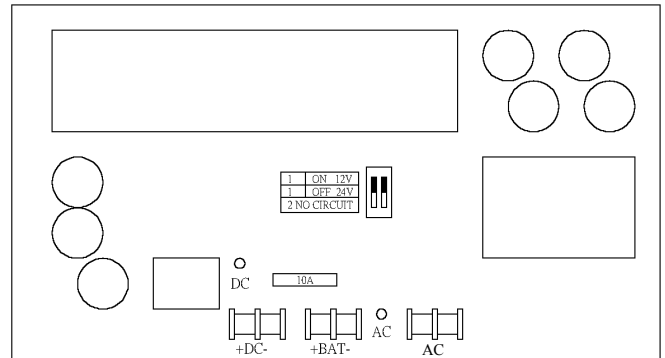
INSTALLATION INSTRUCTIONS

The NP-P10A should be installed in accordance with The National Electrical Code and all applicable Local Regulations.

1. Mount the NP-P10A in desired location/enclosure.
2. **Connect proper transformer to terminals marked [AC]. (See Voltage Output/Transformer Selection Table). Use 18 AWG or larger for all power connections (Battery, DC output). Keep power limited wiring separate from non-power limited**

wiring (115VAC / 60Hz Input, Battery Wires). Minimum .25" spacing must be provided.

3. Set the NP-P10A to the desired DC output voltage by setting the switches to the appropriate positions (see **Voltage Output/Transformer Selection Table**).
4. Connect devices to be powered to terminals marked [+ DC -].
Note: It is important to measure output voltage before connecting devices to help avoid potential damage.
5. **When the uses of stand-by batteries are desired, they must be lead acid or gel type. Connect battery to terminals marked [+ BAT -] on the unit (battery leads included). Use two (2) 12VDC batteries connected in series for 24VDC operation.**
Note: When batteries are not used a loss of AC will result in the loss of output voltage.



LED DIAGNOSTICS

Red (DC)	Green (AC)	Power Supply Status
ON	ON	Normal operating condition.
ON	OFF	Loss of AC, Stand-by battery supplying power.
OFF	ON	No DC output. Short circuit or thermal overload condition.
OFF	OFF	No DC output. Loss of AC. Discharged or no battery.

TERMINAL IDENTIFICATION

Terminal Legend	Function/Description
AC	Low voltage AC input (see Voltage Output/Transformer Selection Table). For 12VDC output use 28VAC with 175 VA power rating or higher. For 24VDC output use 28VAC with 300VA power rating or higher. Caution: Do not apply voltages above 28VAC (28VAC is maximum input rating).
+ BAT --	Stand-by battery connections.
+ DC --	DC output voltage for devices to be powered.

APPENDIX LIST

Item	Description	Dimension	Volume	Memo
1	Instruction Sheet	A4	1	
2	Wire	18AWG 22cm	1	RED
3	Wire	18AWG 22cm	1	BLACK
4	Double Stick Foam Tape	60*20*7mm	2	