



CONDOR DC POWER SUPPLIES INC.  
 2311 STATHAM PKWY  
 OXNARD, CA 93033 + 805-486-4565  
 Internet: www.condorpower.com

# GPC40 SERIES INSTALLATION INSTRUCTIONS

**MODEL NUMBERS:** GPC40A, GPC40B, GPC40D, and GPC40-X, where X represents the output voltage, which may be any number from 3.3 through 28. Models may or may not be followed by suffix -XXX and/or G, where XXX may be any number from 001 thru 999. The -XXX suffix are used for value added configurations that have no impact on safety and suffix G indicates compliance to RoHS.

**RATINGS:**

Input: 100-240 V ac, 1.3 A, 50/60 Hz

Outputs: 40 W max or see table for standard output voltage models.

Model	Watts <sup>1</sup>	Output #1	Output #2	Output #3
GPC40A	40	+5.1 V dc 4 A	+12 V dc 2 A	-12 V dc 0.4 A
GPC40B	40	+5.1 V dc 4 A	+15 V dc 2 A	-15 V dc 0.4 A
GPC40D	40	+5.1 V dc 4 A	+24 V dc 1 A	-12 V dc 0.4 A
GPC40-3.3	26.4	3.3 V dc 8 A	Notes: 1. Maximum continuous output power at 50 °C - Total of all Outputs. 2. Maximum Relative Humidity 96 %, no condensation. 3. Storage: -40 to +85 °C. Units should be allowed to warm-up under non-condensing conditions before application of power.	
GPC40-5	40	5.0 V dc 8 A		
GPC40-9	40	9.0 V dc 4.4 A		
GPC40-12	40	12.0 V dc 3.4 A		
GPC40-15	40	15.0 V dc 2.7 A		
GPC40-24	40	24.0 V dc 1.7 A		
GPC40-28	40	28.0 V dc 1.5 A		

**CE SAFETY DECLARATION:** Condor DC Power Supplies, Inc. declares under our sole responsibility that all models listed above are in conformity with the applicable requirements of EN 60950-1 following the provisions of the Low Voltage Directive 73/23/EEC. All models are Certified to be in compliance with the applicable requirements of UL 60950-1, CSA 22.2 No. 60950-1-03 (L3M1), and EN 60950-1 for Pollution Degree 2 environment and Class I TN-S power systems. The output(s) of these supplies meet the requirements for SELV and are not an energy hazard.

**GROUNDING:** The Earth (Ground) terminal must be bonded to Protective Earth in the end application. Using this terminal for the end product protective earthing terminal is not recommended. A separate dedicated protective earthing point should be used.

**SPACINGS:** Creepage and clearance distances from primary circuits to ground and secondary circuits, as defined in the applicable safety standards, must be maintained after installation to preserve the intended safety.

**TEMPERATURES:** The maximum operating temperatures of certain safety components, as defined in the applicable safety standards, must not be exceeded after installation to preserve the intended safety. The output power, ambient air temperature and the availability, amount, direction and/or restriction of airflow influence the temperatures of these components.

**WARNING! RISK OF FIRE!** A blown fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by Condor authorized personnel. Fuse F1 must be replaced with F 2 A 250 V (fast blow), UL Listed and CSA Certified type.

**WARNING! SHOCK HAZARD!** Dangerous voltages are present on some components and printed wiring traces.

EXPLANATION OF SYMBOLS	
	Alternating Current
	Direct Current
	Attention, Consult Accompanying Documents
	Attention, Dangerous Voltages
	Earth (Ground)

**CONNECTIONS**

J1 AC Input	Multi-Output Models	Single Output Models	
	J2 DC Outputs	J2 DC Output	J3
1) Line	1) Output 2 (+)	1) Output 1 (+)	1) + Sense
3) Neutral	2) Output 1 (+)	2) Output 1 (+)	2) Com Sense
	3) Output 1 (+)	3) Output 1 (+)	
	4) Common	4) Common	
	5) Common	5) Common	
	6) Output 3 (-)	6) Common	

**CAUTION:**

Do not exceed 5 A per contact on J2.

Mating Connectors: Amp P/N 640250-3      Amp P/N 640250-6      Amp P/N 640250-6      Amp MTA100 Series  
 Contacts: Amp P/N 770476-1      Amp P/N 770476-1      Amp P/N 770476-1

Condor DC Power Supplies Inc. will not be liable for the safety, reliability or performance of these power supplies if a) any changes, modifications or repairs are carried out by other than authorized agents of Condor DC Power Supplies Inc., or b) the installation of the supply is not in accordance with these installation instructions and the applicable UL, CSA, EN/IEC safety standards.