

# **=CONDOR**

# INTERNATIONAL + LINEAR SERIES INSTALLATION INSTRUCTIONS

#### **RATINGS:**

Input: 100/120/215/230-240 V ac, 50/60 Hz

Derate output current 10 % for operation at 50 Hz. Refer to chassis marking for input current ratings.

Output: See table on Page 2.

Notes: 1. Maximum ambient temperature for continuous output specified in the table is 50 °C.

requirements for SELV. To identify these models, refer to the notes for the table.

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.

SAFETY DECLARATION: SL Power Electronics Corp. 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 IEC/EN/UL/CSA 60950-1 for Pollution Degree 2 environment and Class I TN-S power systems. The output of some models do not meet the

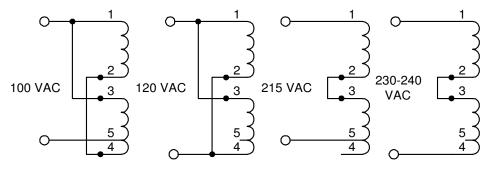
**GROUNDING:** Protection Class I requires that the chassis be bonded to Protective Earth in the end application.

**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!** All models require external fusing to maintain the intended safety. Refer to marking on chassis for maximum fuse ratings.

### AC INPUT HOOKUP INSTRUCTIONS



SL Power Electronics Corp. 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 SL Power Electronics Corp., or b) the installation of the supply is not in accordance with these installation instructions and the applicable UL, CSA, and IEC/EN safety standards.

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## **INTERNATIONAL + LINEAR SERIES**

	Maximum Output R	_		Maximum Output Ratings	CSA
MODEL	50 °C Ambien	it Level	MODEL	50 °C Ambient	Level
	5	SINGLE OUT	PUT MODELS		
HA15-0.9-A+	12 V or 15V 0.9 A	L3M1	HC48-1-A+ (1)	48 V 1 A	L1
HA2-1.5-A+	2 V 1.5 A		HC5-6/OVP-A+	5 V 6 A	L3M1
HA24-0.5-A+	24 V or 28 V 0.5 A		HD12-6.8-A+	12 V 6.8 A	L3M1
HA5-1.5/OVP-A+	5 V 1.5 A	L3M1	HD15-6-A+	15 V 6 A	L3M1
HB12-1.7-A+	12 V 1.7 A	L3M1	HD2-12-A+	2 V 12 A	L3M1
HB15-1.5-A+	15 V 1.5 A	L3M1	HD24-4.8-A+	24 V 4.8 A	L3M1
HB2-3-A+	2 V 3 A	L3M1	HD28-4-A+	28 V 4 A	L3M1
HB24-1.2-A+	24 V 1.2 A	L3M1	HD48-3-A+ (1)	48 V 2.5 A (3 A with 14 cfm airflow)	L1
HB28-1-A+	28 V 1 A		HD5-12/OVP-A+	5 V 12 A	L3M1
HB48-0.5-A+ (1)	48 V 0.5 A	L1	HN12-5.1-A+	12 V 5.1 A	L3M1
HB5-3/OVP-A+	5 V 3 A	L3M1	HN15-4.5-A+	15 V 4.5 A	L3M1
HC12-3.4-A+	12 V 3.4 A	L3M1	HN2-9-A+	2 V 9 A	L3M1
HC15-3-A+	15 V 3 A		HN24-3.6-A+	24 V 3.6 A	L3M1
HC2-6-A+	2 V 6 A	L3M1	HN28-3-A+	28 V 3 A	L3M1
HC24-2.4-A+	24 V 2.4 A		HN5-9/OVP-A+	5 V 9 A	L3M1
HC28-2-A+	28 V 2 A	L3M1			
		<b>DUAL OUTF</b>	PUT MODELS		
MODEL		Maximum C	Output Ratings 50	°C Ambient	CSA Level
CP323-A+	12 V 4 A; 5 V 2 A				L3M1
HAA15-0.8-A+	*	+12 V 1 A or +15 V 0.8 A; -12 V 1 A or -15 V 0.8 A or -5 V 0.4 A			
HAA24-0.6-A+	±24 V 0.6 A				
HAA5-1.5/OVP-A+	±5 V 1.5 A				L1 L3M1
HAA512-A+	5 V 2 A; 9-15 V 0.5 A				L3M1
HAA524-A+					
HAD12-0.4-A+	±12 V 0.4 A				L3M1 L3M1
HAD15-0.4-A+	±15 V 0.4 A				L3M1
HBB15-1.5-A+ +12 V 1.7 A or +15 V 1.5 A; -12 V 1.7 A or -15 V 1.5 A or -5 V 0.7 A					L3M1
HBB5-3/OVP-A+ ±5 V 3 A					L3M1
HBB512-A+	5 V 3 A; 9-15 V 1.25 A				L3M1
HBB524-A+	5 V 3 A; 18-24 V 0.8 A				L3M1
HCC15-3-A+					L3M1
HCC5-6/OVP-A+	·				
HCC512-A+	`	5 V 4 A (6 A with 14 cfm airflow); 9-15 V 2.5 A			
HCC524-A+	`	5 V 4 A (6 A with 14 cfm airflow); 18-24 V 2 A			
	7	TRIPLE OUT	PUT MODELS		
CP131-A+	5 V 9 A; +12 V 1.7 A o	5 V 9 A; +12 V 1.7 A or +15 V 1.5 A; -12 V 1.7 A or -15 V 1.5 A or -5 V 0.7 A			
CP206-A+	24 V 3 A; +5 V 2.5 A, -5 V 1.0 A				L3M1
HBAA40W-A+		5 V 3 A; +12 V 1 A or +15 V 0.8 A; -12 V 1 A or -15 V 0.8 A or -5 V 0.4 A			
HCAA60W-A+		5 V 6 A; +12 V 1 A or +15 V 0.8 A; -12 V 1 A or -15 V 0.8 A or -5 V 0.4 A			
HCBB105W-A+	5 V 3 A; +12 V 2.5 A o				L3M1
HCDD75W/ 4		(+12 V 3.4 A or +15 V 3 A; -12 V 3.4 A or -15 V 3 A or -5 V 1.5 A with 14 cfm airflow)   5 V 6 A; +12 V 1.7 A or +15 V 1.5 A; -12 V 1.7 A or -15 V 1.5 A or -5 V 0.7 A			
HCBB75W-A+	The state of the s			1.5 A or –5 V 0.7 A	L3M1
HTAA-16W-A+ 5 V 2 A; +9-15 V 0.4 A; -9 to -15 V 0.4 A or -5 V 0.4 A					L3M1

#### Notes:

- 1. Models may be followed by suffix G to indicate compliance to RoHS.
- 2. 48 V models are not approved for SELV. The output voltage may exceed 60 V under certain conditions.

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