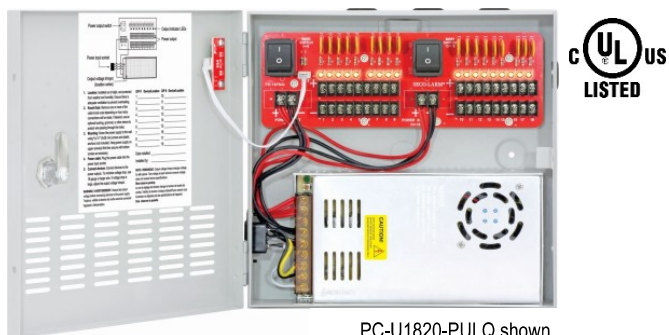




12VDC Switching CCTV Power Supply

Manual



PC-U1820-PULQ shown

Model Number	Number of Outputs	Total Supply Current	Max. Current per Output
PC-U0405-PULQ	4	5A	1.6A
PC-U0910-PULQ	9	10A	1.6A
PC-U1810-PULQ	18	10A	1.1A
PC-U1820-PULQ	18	20A	1.6A
PC-U1830-PULQ	18	30A	1.85A

ENFORCER 12VDC Switching CCTV Power Supply

Features:

- 100~220 VAC Input*
 - New lightweight, cost-effective design
 - Improved efficiency
 - Adjustable output to reduce voltage drop
- Outputs protected with PTC fuses
 - Individual output status LEDs
 - Heavy-duty steel case with cover
 - Built-in short circuit and overheat protection

Parts List:

1x Power supply	1x Power cord	2x Rubber rings
2x Keys	1x Manual	

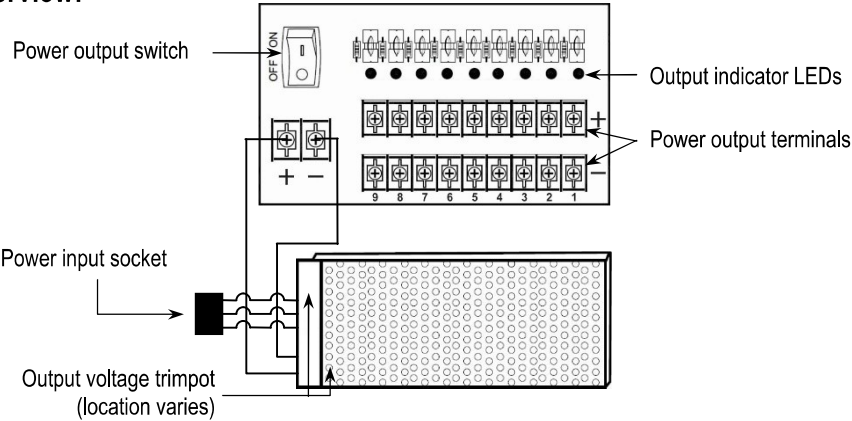
Specifications:

Model	PC-U0405-PULQ	PC-U0910-PULQ	PC-U1810-PULQ	PC-U1820-PULQ	PC-U1830-PULQ
Outputs	4	9	18	18	18
Total supply current	5A	10A	10A	20A	30A
Max. current per output	1.6A		1.1A	1.6A	1.85A
Output fuse	PTC				
Output voltage	11.0~13.8 VDC (adjustable by trimpot, ±10%)				
Input voltage*	100~220 VAC ±10% (47~63 Hz)			110/220 VAC (50/60 Hz)	
LED	Cover	Green: AC Input, Red: DC Output			
Indicators	PDM**	Red: DC Output			
Operating humidity	90% (non-condensing)				
Operating temperature	32°~104° F (0°~40° C)				
Dimensions	9 ⁷ / ₁₆ "x10 ¹ / ₄ "x2 ³ / ₈ " (240x260x60 mm)		10"x10 ⁵ / ₁₆ "x3 ¹ / ₈ " (254x262x79 mm)		
Weight	4-lb 3-oz (1.89kg)	4-lb 7-oz (2.01kg)	5-lb 2-oz (2.31kg)	6-lb 1-oz (2.76kg)	6-lb 4-oz (2.84kg)

*UL listed for 90~120 VAC

**Power distribution module

Overview:



Installation:

1. Find a suitable location to install the power supply.
The power supply should be installed out of sight, and in a place protected from weather and high humidity. The power supply must have adequate ventilation. Insufficient ventilation may cause overheating and damage could result.
2. Remove one of more of the cable knock-outs, depending on how many connections will be made. Knock-outs are shown in Fig. 1 to the right. If desired, use an optional bushing, grommet, or other sleeve to protect wires passing through the hole(s).
3. Screw the power supply to the wall or other mounting surface using $\frac{5}{32}$ "x1" (4x26 mm) screws and plastic anchors (not included). First, screw in the top screw(s) and hang the power supply. Then, if applicable, screw in the bottom two screws to fully secure the unit in place.
4. Plug the power cable into the power input socket (Fig. 2).
WARNING: Always test output voltage before connecting devices to the power supply.
5. Connect cameras and other devices to the power outputs, while observing correct polarity as shown in Fig. 3. To minimize voltage drop, use 18-gauge or larger wire.
6. If voltage drop is large, adjust the output voltage trimpot as shown in Fig. 4.

NOTE: The output voltage trimpot changes voltage for all outputs by $\pm 10\%$. Test all outputs to ensure voltage does not exceed device specifications.

Fig. 1 - Knock-Outs

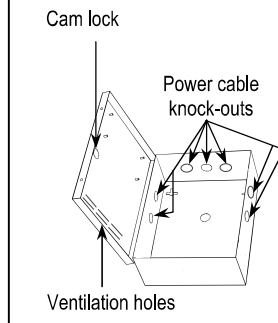


Fig. 2 - Power Input Socket

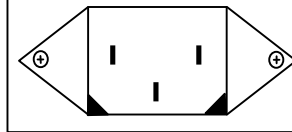


Fig. 3 - Connecting power outputs

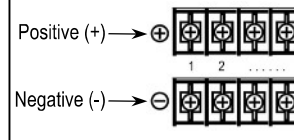
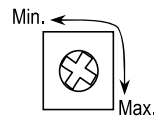


Fig. 4 - Adjusting output voltage



LED Indicator Status:

Location	Color	ON	OFF
Cover	Green	Connected to AC power	No AC input
	Red	DC Output to PDM OK	No DC output
Power distribution module	Red	Terminal pair of output is working correctly	Terminal pair of output has no DC power

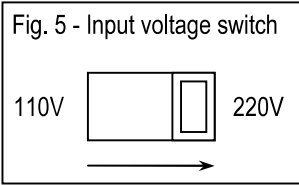
ENFORCER 12VDC Switching CCTV Power Supply

Installation Notes:

- ALWAYS TEST OUTPUT VOLTAGE BEFORE CONNECTING DEVICES.
- Indoor use only. Do not mount the unit where it may be exposed to weather or high humidity.
- For professional installation only.
- Installation must conform to all local laws and building codes.

Input Voltage Note (for PC-U1820-PULQ & PC-U1830-PULQ only):

For 220VAC input voltage, locate the input voltage switch on the bottom of the enclosure. Switch the input voltage from 110V to 220V as shown in Fig. 5.



Also Available from SECO-LARM®:

CCTV Power Supplies



PA-U0405-NULQ
shown

12VDC AC Adapters



ST-UV12-S1.0Q
shown

Power Converters



ST-LA115-TPQ
shown

DC Connectors



CA-161T / CA-151T
shown

IMPORTANT: Users and installers of this product are responsible for ensuring this product complies with all national, state, and local laws and statutes. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or statutes.

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SECO-LARM® U.S.A., Inc.

16842 Millikan Avenue, Irvine, CA 92606
Phone: (949) 261-2999 | (800) 662-0800

Website: www.seco-larm.com
Email: sales@seco-larm.com



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