

DPS-15 Power Supply Installation Guide

This guide outlines how to mount and connect the Keyscan DPS-15 power supply. The DPS-15 is a dual linear DC power supply with the following two outputs:

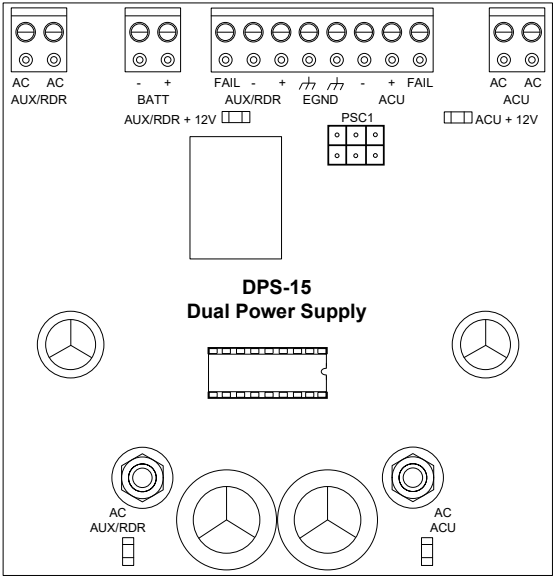
- ACU output 12 VDC @ 1.2 Amperes
- AUX/RDR output 12 VDC @ 1.2 Amperes

Important – 1 Amp Maximum

The total current draw on each output should not exceed 1 Amp with 200mA in reserve for accommodating peak current operating demands. When calculating power requirements, ensure that you always observe this guideline when connecting the DPS-15 power supply.

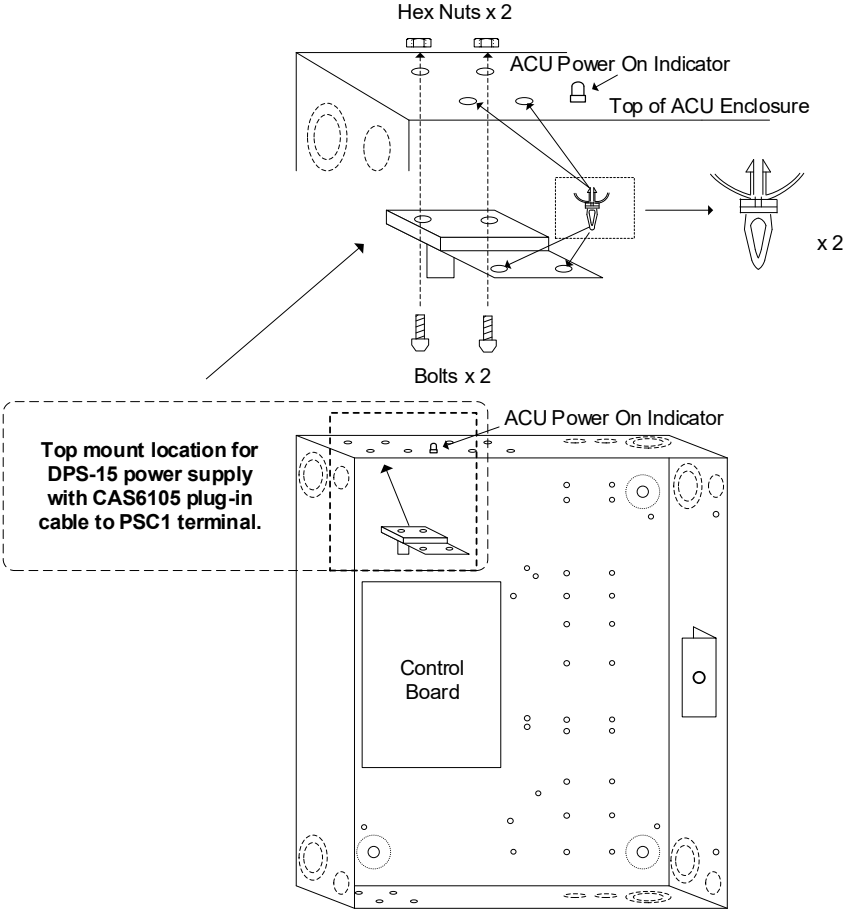
Contents		Parts List	
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Figure 1 – DPS-15 Dual Linear Power Supply



KI-00425E-11-11

Figure 2 – Mounting Locations (CA/EC Control Boards)



KI00107E-1019

Figure 3 – DPS-15 Power Supply Connections (CA/EC Control Boards)

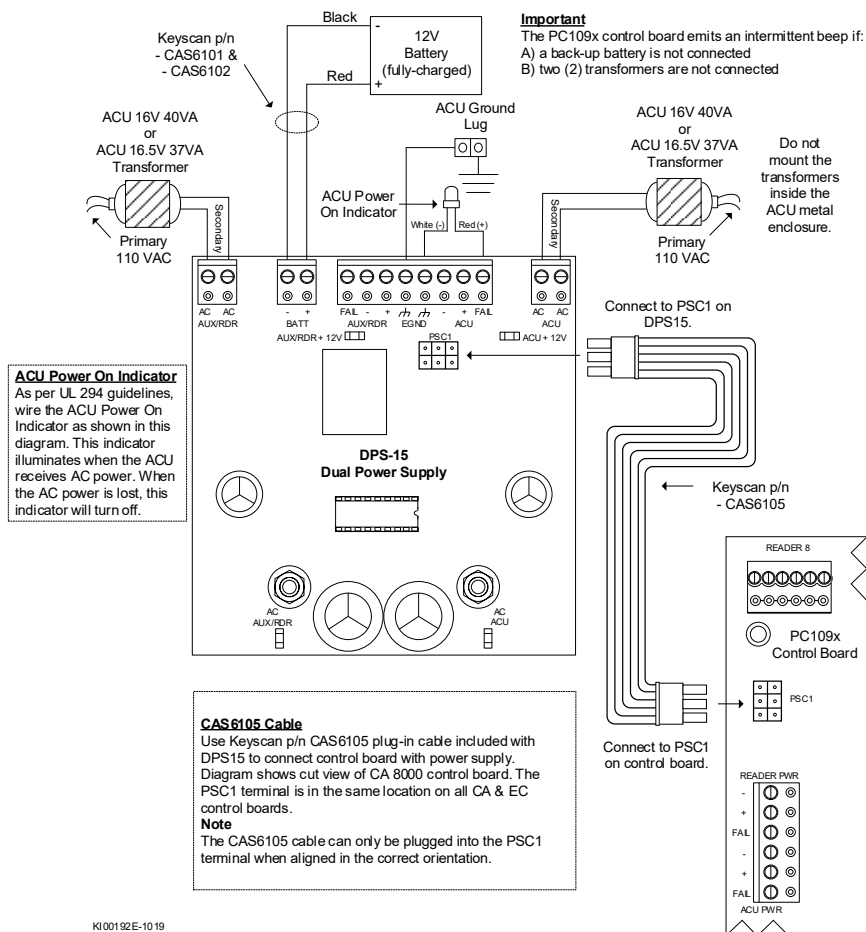


Figure 4 – Mounting Locations (KC Control Boards)

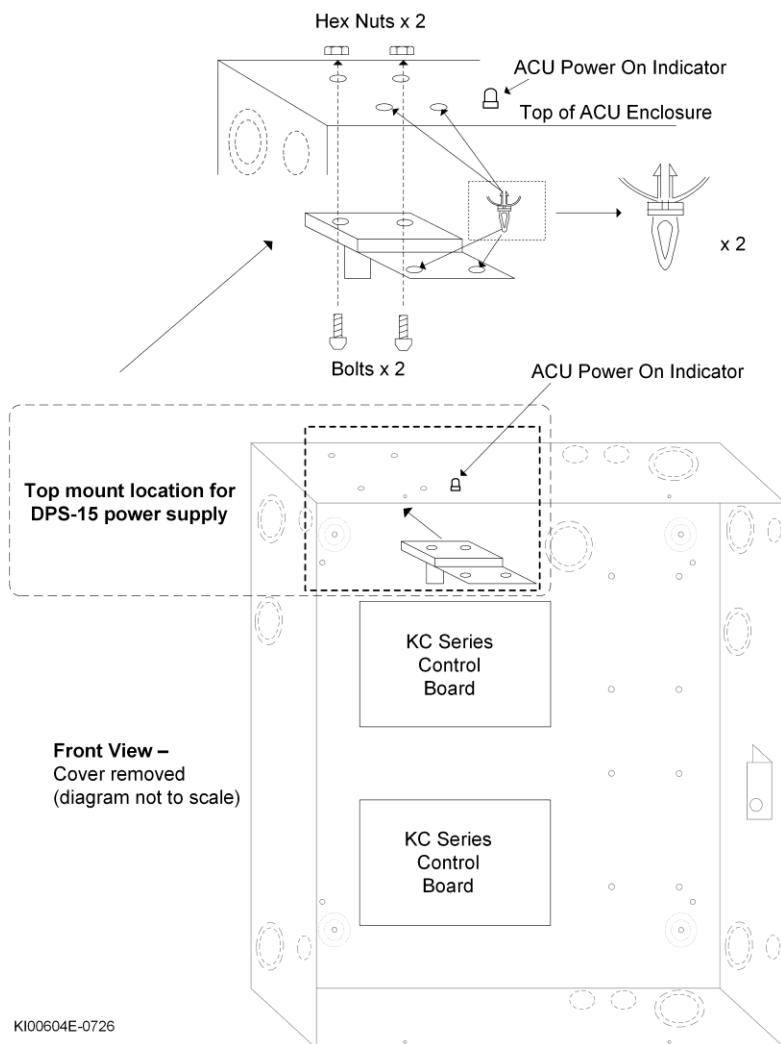
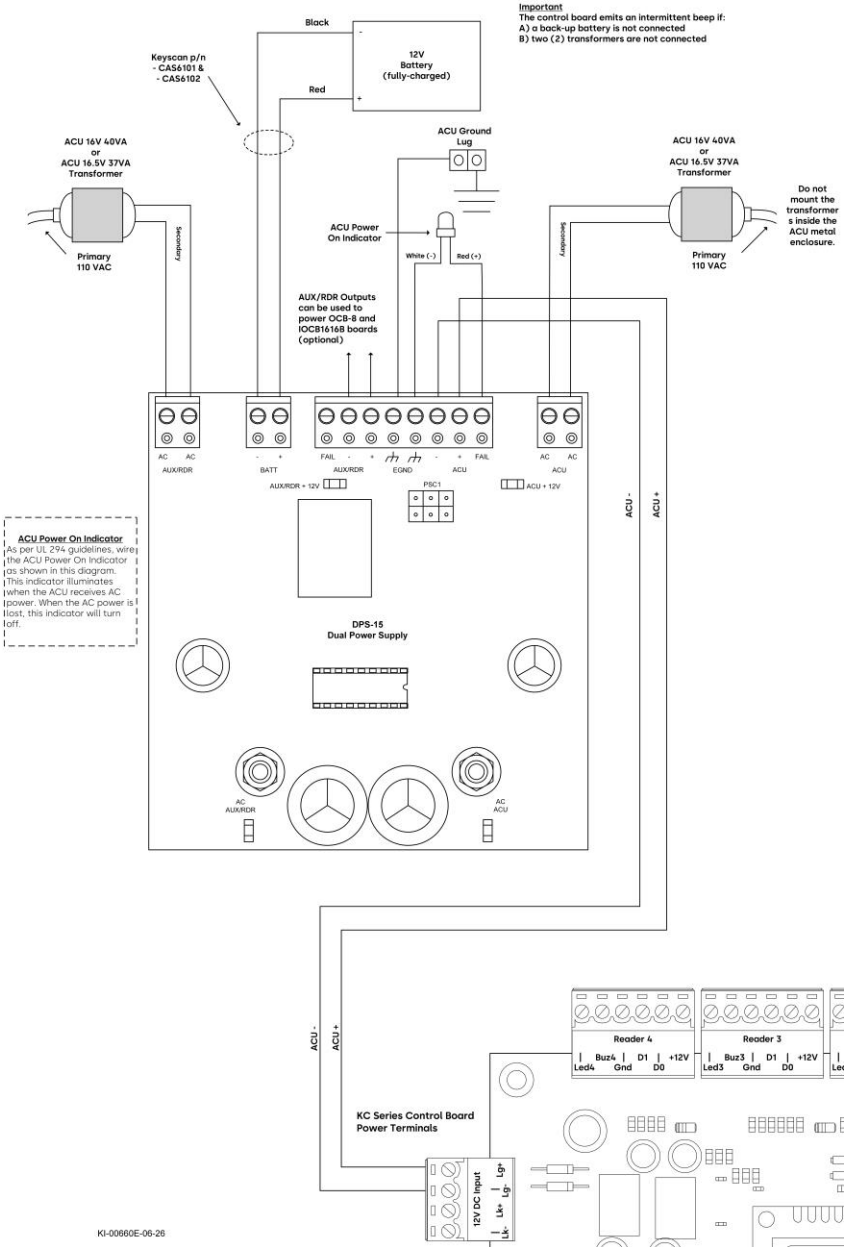


Figure 5 – DPS-15 Power Supply Connections (KC Control Boards)



Specifications

Output

Dual linear DC outputs:

- ACU output 12 VDC @ 1.2 Amperes
- AUX/RDR output 12 VDC @ 1.2 Amperes

The total current draw on each output should not exceed 1 Amp with 200mA in reserve for accommodating peak current operating demands.

Dimensions

3 7/8" x 4 1/16" (99 mm x 103 mm)

Weight

0.45 lbs (0.2 kg)

Power Requirements

The DPS-15 power supply provides the rated output under the following input conditions:

- Primary power source: AC Power – requires two (2) 16V 40 VA or 16.5V 37 VA Class 2 CSA/UL approved transformers
- Secondary power source: DC Power – battery backup required (12V battery – capacity of 13.6V @ full charge, UL recognized battery)

Power Requirements (when used with KC Series panels - KC-2A, KC-4A)

The DPS-15 power supply provides the rated output under the following input conditions:

- Input: Two – 16.5V AC 40V A (2.5A) Class 2 Transformers

Note

The purpose of two transformers is to comply with UL STD 294, CAN/ULC STD 60839-11-1:2016 Ed.1 and charge the battery circuit. The transformers must be located within 30 feet of the Keyscan power supply. Do not mount the transformers inside the ACU metal enclosure. All warranties are voided if non-compliant transformers or incorrect voltages are used. The system may operate erratically if the voltage is lower than 12 VDC.

Important

Do not use the DPS-15 to power locks or auxiliary equipment.

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