

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)

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 door strikes or auxiliary equipment.

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DPS-15 Power Supply Installation Guide – PC109x – Document # KD10046-E-0920

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:

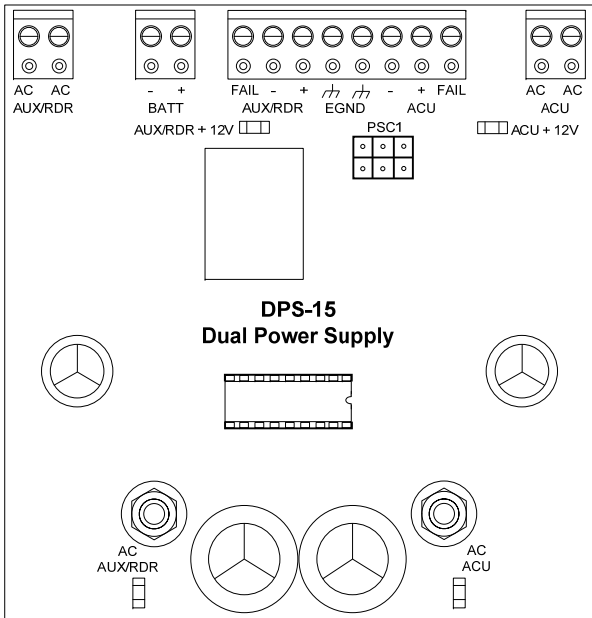
- ACU output 12 VDC @ 1.2 Amperes
- AUX/RDR output 12 VDC @ 1.2 Amperes

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.

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Figure 1 – DPS-15 Dual Linear Power Supply



KI-00425E-11-11

Hex Nuts x 2

ACU Power On Indicator

Top of ACU Enclosure

Bolts x 2

Top mount location for DPS-15 power supply with CAS6105 plug-in cable to PSC1 terminal.

Control Board

ACU Power On Indicator

x 2

2 | dormakaba Canada Inc.

Important

The PC109x control board emits an intermittent beep if:

- a back-up battery is not connected
- two (2) transformers are not connected

ACU Power On Indicator

As per UL 294 guidelines, wire the ACU Power On Indicator as shown in this diagram. This indicator illuminates when the ACU receives AC power. When the AC power is lost, this indicator will turn off.

CAS6105 Cable

Use Keyscan p/n CAS6105 plug-in cable included with DPS15 to connect control board with power supply. Diagram shows cut view of CA 8000 control board. The PSC1 terminal is in the same location on all CA & EC control boards.

Note

The CAS6105 cable can only be plugged into the PSC1 terminal when aligned in the correct orientation.

Do not mount the transformers inside the ACU metal enclosure.

Connect to PSC1 on DPS15.

Connect to PSC1 on control board.

PC109x Control Board

PSC1

READER PWR

- + - + - + - +

ACU PWR

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