

2100-0300 WALL-MOUNT POWER SUPPLY

LISTED TO UL/EN60950

CLEI™ Code SOM2SP8C, CPR 203843

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**Figure 1. 2100-0300
Wall-Mount Power Supply**

1. INTRODUCTION

This practice describes the Pulsecom® 2100-0300 Wall-Mount Power Supply, shown in Figure 1. Installation instructions and engineering references are included.

A. Reason for Reissue

This practice has been reissued to show minor changes to dimensions.

B. Description

The -48 VDC, 1.0A, Wall-Mount Power Supply is a compact power source for Pulsecom customer-premises equipment (CPE) mountings or other light-duty telephone applications such as the Pulsecom broadband audio Program Channel Access Unit (PCAU) or DS3-EXPRESS. Refer to Table 1 for a listing of Pulsecom CPE mountings.

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Pulsecom is a registered trademark of Hubbell Inc.

200 Mechanics is a registered trademark of Westell Technologies, Inc.

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Table 1. CPE Mounting Versions

Model	Maximum Number of Slots		Description	Practice Section
	200 Mechanics®	400 Mechanics		
O3D3-RT	1	1	Compact wall or rack mounting with thermal regulation	1574
2O3D3-RT	2	1	Compact wall or rack mounting with thermal regulation	1575
2O3D3-19A	2	2	19"/23" 1U high rack or wall mounting with thermal regulation	1595
CPL2C	3	2	Hinged mounting for backboards or walls	1626
3O3D3-CPL2C	3	2	Hinged mounting for backboards or walls with locking cover and provisioning for subscriber demarcs	1618

The power supply is equipped with a 7.5-foot AC power cord that plugs into a standard 3-prong AC wall outlet. Output connections are made from the power supply to the mounting assembly via the attached 6-foot, 3-conductor power cord.

C. Features

The power supply provides the following features:

- Occupies a single outlet position in a standard AC duplex wall or floor 3-prong grounded AC outlet
- -48 VDC, 1.0A output
- Output regulated and protected against short circuits
- UL Listed
- Suitable for powering Pulsecom Series O3D3, O3-3D3, O3-4D1, O3-12D1, G2, PCAU, DS3-EXPRESS, or similar units
- Simple installation of wall-mount bracket
- AC earth ground connection via third (green) wire

2. INSTALLATION

Follow the steps in Procedure 1 and Figure 2 to mount the power supply. Figure 3 shows a wiring diagram.

Procedure 1. Mounting the Power Supply on a Wall

STEP	ACTION
1	Find a position near an unswitched, 120 VAC, 60 Hz outlet.
2	Obtain suitable #8 hardware for mounting to a backboard or, if required, directly to a wall.
3	Hold the mounting bracket in the desired position on the wall.
4	Use a pencil to mark the mounting hole positions. Then drill appropriately sized holes for the mounting hardware to be used. WARNING: Avoid hitting pipes or wires in the wall when drilling.
5	Insert screws through the mounting holes and into the backboard or, if used, wall anchors. See Figure 2.
6	Tighten the screws.
7	Connect -48 VDC, COM (-48V RET), and GND to the mounting. See Figure 3.
8	Plug the AC power cord into the power supply.
9	Plug the AC power cord into the 3-prong, grounded, AC outlet.

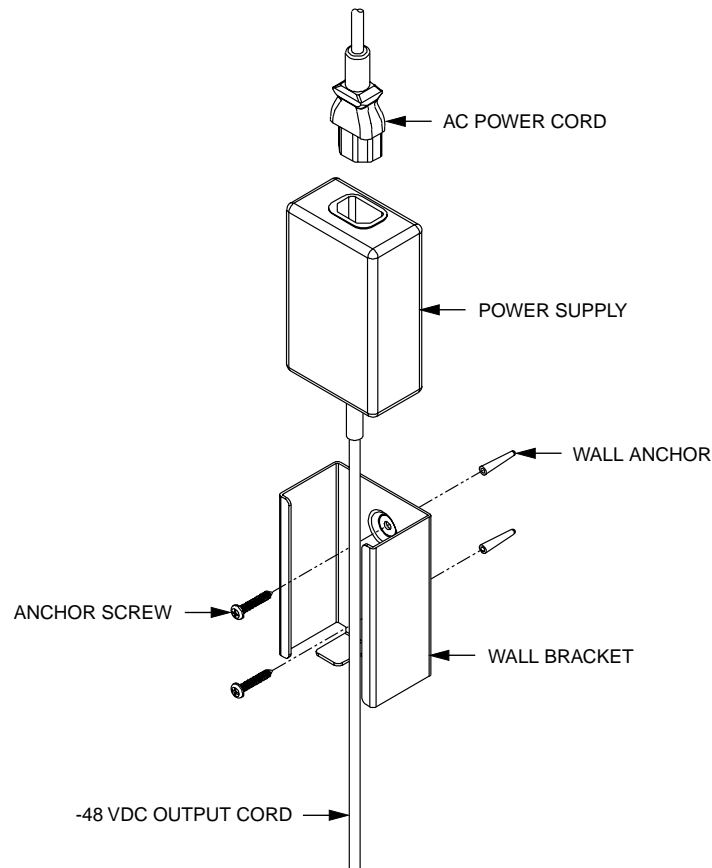


Figure 2. Power Supply Wall Mounting

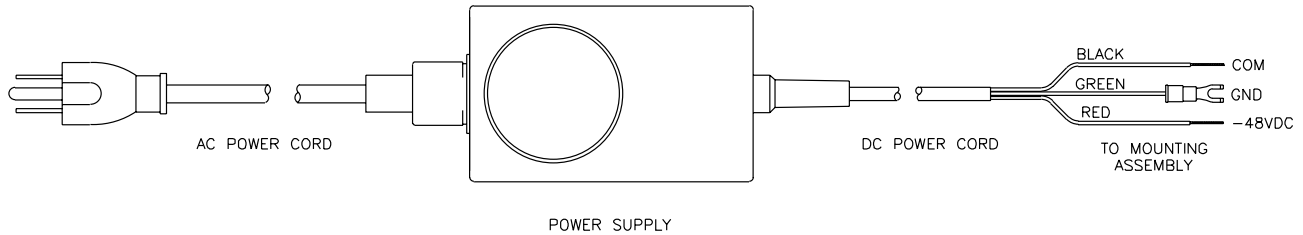


Figure 3. Power Supply Wiring Diagram

3. SPECIFICATIONS

Table 2 lists the electrical and physical characteristics of the power supply.

Table 2. Power Supply Specifications

Description	Specification
A. Power Requirement	
Input Power	120 VAC at 60 Hz (standard AC receptacle)
Output Power	-48 VDC, 1.0A
B. Environmental	
Temperature Range, Operating	0° to 50°C (32° to 122°F)
Relative Humidity, No Condensation	0 to 95%
Size (length x width x depth)	4.65 x 2.05 x 1.36 inches
Weight, Approximate	12 ounces

4. MAINTENANCE

No routine maintenance is required.

5. CUSTOMER SERVICE

Direct questions concerning the operation of the power supply to Pulsecom Technical Support. Obtain repair services by returning the defective unit to the Pulsecom Repair Department.

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