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Cisco Power Supply IW-PWRADPT-MFIT4P= Installation Guide

This document describes the Cisco Power Supply IW-PWRADPT-MFIT4P= (referred to as the power supply in this document) and provides instructions for mounting them.

Product Overview

The Cisco Power Supply IW-PWRADPT-MFIT4P= is an outdoor single-phase AC/DC, 60-Watt output external wide temperature range power supply with the DC voltage output of 48V. The power supply operates between 90VAC to 264 VAC and 135VDC to 370VDC.

Figure 1: Power Supply IW-PWRADPT-MFIT4P=

Unpacking the Power Adapter

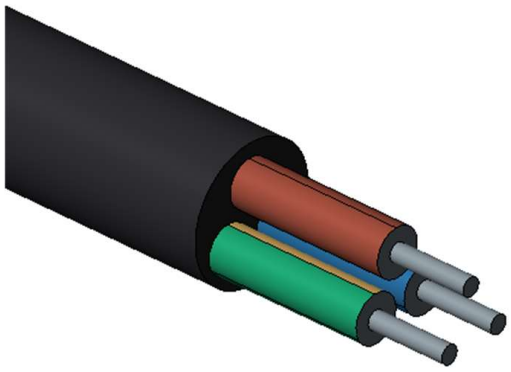
The following items are shipped with the power adapter:

- Power adapter
- AC power cord
- DC power cord

If any item is missing or damaged, contact your Cisco representative or reseller.

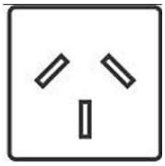
AC Cable Assembly

Connect the corresponding phase of wire of AC cable with power system.



Phase	Wire Color
L	Brown
N	Blue
PE	Green/Yellow

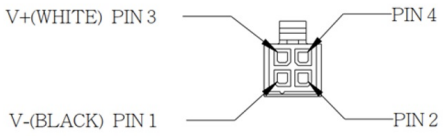
When connecting to AC plug, different types of plugs should be used in each country. The following table is for reference.

Plug Type	Country	Plug Type	Country
	US, Taiwan, Japan, Canada, Mexico		UK, Singapore
	European, Morocco		Korea, Russia
	China, Australia, Argentina		India, South Africa

DC Cable Assembly

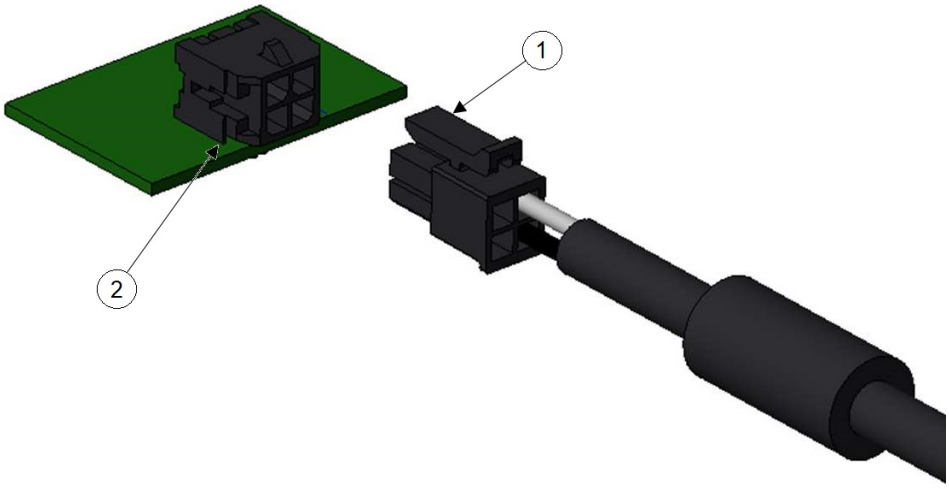
The power supply output connector is a Molex Microfit field terminable plug kit with four gold plated contacts. The following table shows the pinouts. Output cable length shall be one meter +/- 5%.

Figure 2: Output Connector—Molex Microfit



Molex Microfit Pin	Assignment
Pin 1	Black (- Negative Terminal)
Pin 2	Not assigned
Pin 3	White (+ Positive Terminal)
Pin 4	Not assigned

For DC cable asembly, insert the receptable into the header in system. The following picture is only for reference.



1	Receptacle: JWT C3004H00-2x2P, 3.0mm pitch, 2x2 pin	2	Header: Molex 430450400 or C3004WV0-2x2P

Technical Specifications

This table lists specifications for the power supply:

Table 1:

Specification	IW-PWRADPT-MFIT4P=
Input-voltage range and frequency	AC input: 100-240V, 50-60Hz (nominal) 135 to 370 VDC
Output voltage and current	48 VDC, 1.25A
Physical specification	Dimensions (W x H x L): 37 mm x 62 mm x 171 mm Weight: 685g +/-30g
Operating temperature	-40°C to +65°C, still air condition including solar loading
Non-operating temperature	-40°C to +85°C
Humidity	Operating: 5% to 95%, condensing is allowed outside of adapter Non-operating: 5% to 95%, condensing is allowed outside of adapter IP67 Rated
Thermal shock	Operating thermal shock:40°C to + 65C at 0.5°C per minute Non-operating thermal shock:40°C to +85°C, with change over time between 2 and 3 minutes
Altitude	Operating altitude:500 to 17,000 feet from sea level Non-operating altitude:1,000 to 30,000 feet from sea level
Reliability	MTBF: 300,000 hrs @ 40ºC

Mounting Instructions

You can attach the power adapter IW-PWRADPT-MFIT4P= to the IW9167EH access point on a pole using the mounting bracket AIR-ACCPMK3700= or AIR-ACCPMK3700-2=. For detailed information on mounting procedures, see Attaching a Power Adapter in Cisco Catalyst IW9167E Heavy Duty Access Point Hardware Installation Guide.

You can also mount the power adapter to most vertical or horizontal surfaces using the mounting tabs on the right and left of the unit. For details, see Using the Mounting Tabs, on page 5.

Note The device must be connected to a grounded outlet.

Using the Mounting Tabs

Follow these steps to mount the power adapter to a vertical or horizontal surface using the mounting tabs:

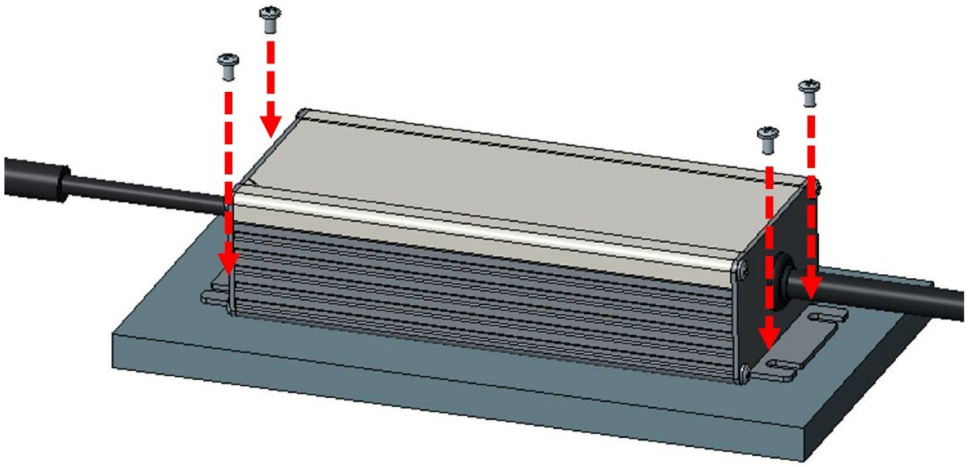
Procedure

Step 1 Using the holes in the power adapter mounting tabs as a template, mark the locations on the surface where you will drill the holes for the wall anchors or screws.

Step 2 Drill a hole at each marked location.

Step 3 Hold the power adapter to the surface and align the mounting tabs on the power adapter with the screw holes.

Step 4 Insert the #6-32 UNC or M3.5 screws through the mounting tabs and into the holes in the wall or surface.



Step 5 Use a Phillips head screwdriver to drive the screws into the surface.

Note If the power adapter is not securely fastened, continue making small adjustments until you are satisfied.

Regulatory Information

The following information is for FCC compliance of Class B devices:

The equipment described in this manual generates and may radiate radio-frequency energy. If it is not installed in accordance with Cisco's installation instructions, it may cause interference with radio and television reception. This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in part 15 of the FCC rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

Modifying the equipment without Cisco's written authorization may result in the equipment no longer complying with FCC requirements for Class A or Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

You can determine whether your equipment is causing interference by turning it off. If the interference stops, it was probably caused by the Cisco equipment or one of its peripheral devices. If the equipment causes interference to radio or television reception, try to correct the interference by using one or more of the following measures:

- Turn the television or radio antenna until the interference stops.
- Move the equipment to one side or the other of the television or radio.

- Move the equipment farther away from the television or radio.
- Plug the equipment into an outlet that is on a different circuit from the television or radio. (That is, make certain the equipment and the television or radio are on circuits controlled by different circuit breakers or fuses.)

Modifications to this product not authorized by Cisco Systems, Inc. could void the FCC approval and negate your authority to operate the product.

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Americas Headquarters
Cisco Systems, Inc.
San Jose, CA 95134-1706
USA

Asia Pacific Headquarters
CiscoSystems(USA)Pte.Ltd.
Singapore

Europe Headquarters
CiscoSystemsInternationalBV
Amsterdam,TheNetherlands

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