

PRECISION POWER

A PRECISION GROUP COMPANY



USER'S MANUAL FOR PRECISION POWER DESKTOP PRO UPS

MODEL NUMBER: PR1236DT-B

WARNING

Review the following important safety warnings to avoid bodily injury or damage to equipment during installation or operation of the device. Read ALL instructions before attempting to install or operate this device.

This device is intended for indoor use only. To prevent the risk of fire or electrical shock, install in dry location free from damp or wet environment, or potentially damp or wet environment.

Adhere to all acceptable operating environment limitations as listed to prevent the risk of fire or electrical shock (see user specifications within User's Manual)

Risk of fire or explosion if improper battery is installed and attempted to operate within this device. Device is rated and approved for use with standard sealed lead acid battery rated at 12Vdc 7Ah-8Ah. Follow User Manual instructions for proper installation of battery. Dispose of used batteries in accordance to battery manufacturer specifications.

NO user-replaceable parts within this device except the battery. Do not remove cover unless you are installing, replacing, or servicing the battery.

NOTE: The reference to "Desktop Pro" within this User Manual refers to Precision Power Model PR1236DT-B and all package accessories as listed below

CONTENTS OF DESKTOP PRO PACKAGE

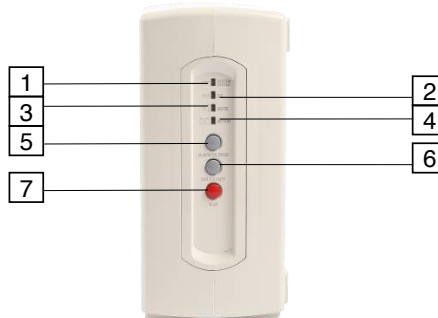
NOTE: Please verify all standard contents are accounted for upon receipt of Desktop Pro UPS.

STANDARD: (1) Desktop Pro UPS; (1) Cable Guide; (1) AC Power Cord; (3) Cable Ties; (1) 7-Pin Connector; (1) User's Manual; (1) Wall-Mount Installation Template

DESKTOP PRO INTRODUCTION

The Desktop Pro UPS is designed and intended for use as a Desktop or Wall-mountable DC UPS for indoor and outdoor 12Vdc Optical Network Terminals (ONT) and Customer Premise Equipment (CPE). The Desktop Pro not only provides constant supply of DC power during normal operating conditions, but also offers battery backup power in case of electrical power outage when paired with approved standby battery.

VISUAL INDICATORS AND CONTROL SWITCHES



VISUAL INDICATORS

1	SYSTEM STATUS	Color-Green	Receiving AC power load to operate under normal conditions
2	DC	Color-Green	Working off Battery
3	Mute	Color-Yellow	"Flashing"- Audible Alarm Silenced for 24 hrs, "Solid"- Audible Alarm silenced until manually enabled again.
4	Battery	Color-Red	Service or replace battery, or battery missing

CONTROL SWITCHES

5	ALARM SILENCE	Disables Audible Alarm Function. Press and release to disable Audible Alarm for 24 hours. Press and hold for 15 seconds to disable Audible Alarm indefinitely. Press and hold for another 15 seconds in order to re-enable Audible Alarm function.	
6	COLD START	Allows Desktop Pro capability to restart and restore standby power with new battery or to use reserve standby power on existing battery when in AC line power outage for extended time.	
7	N.I.R.	Network Interface Reset (N.I.R.) - Allows for DC line power reset of Optical Network Terminal. Press and hold for 3 seconds to reset/reboot ONT or CPE device.	

VISUAL AND AUDIBLE STATUS/ALARM SIGNALS

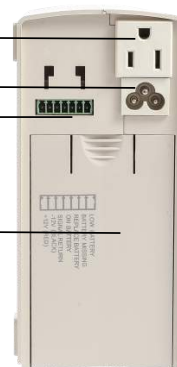
STATE	VISUAL INDICATOR	AUDIBLE INDICATOR	DESCRIPTION
NORMAL	System Status Indicator "ON"	System Status Indicator "ON"	Operating under normal AC line power load and conditions.
ON Battery	DC Indicator "ON"		AC line power failure or AC cord disconnection. Desktop Pro is being supplied with battery power.
Replace Battery	Battery Indicator "ON"	1/2 second indicator every 15 minutes	Replace faulty or end of life battery
Battery Missing	Battery Indicator "ON"		Operating on AC line power only without available battery backup for outage scenario. When battery is removed from unit, battery indicator will illuminate after 15 seconds.
Low Battery	DC Indicator Flashes	1/2 second audible indicator 4 times per minute	Battery has reached equal to or less than 45% remaining capacity on battery discharge

PASS THROUGH AC OUTLET PLUG

AC INPUT POWER CORD CONNECTOR

DC OUTPUT/TELEMETRY CONNECTOR

BATTERY DOOR



INSTALLATION

DESKTOP USE:

- A. Slide battery door down located on the rear of the Desktop Pro and install battery. Install red wire to red battery terminal and black wire to black battery terminal. NOTE: 90 degree red terminal connector prevents ability to miswire. Battery installation is optional. Desktop Pro will operate without battery as long as AC line power is present and connected.
- B. Connect Desktop Pro power cord to Desktop Pro power cord connector port
- C. Plug Desktop Pro power cord into AC wall outlet
- D. Connect 7-pin DC Power/Telemetry Wire into DC Output/Telemetry Connector

WALL MOUNT USE:

- A. Use provided wall mount template to install screws to the wall for keyhole mounting of the Desktop Pro. NOTE: Ensure that AC Cord provided will accommodate length needed from the Desktop Pro AC cord power input connector to AC wall outlet
- B. Follow steps A-D as instructed in "INSTALLATION: DESKTOP USE"
- C. Use provided keyhole mounting option for Desktop Pro to hang on previously installed screws.

BATTERY TYPE

Standard sealed lead acid battery rated at 12Vdc 7-8Ah

BATTERY REPLACEMENT

As long as AC line power is available, Desktop Pro can maintain operation while battery is being replaced

PROCEDURE:

1. Remove the battery cover from the back of the Desktop Pro
2. Slide battery out of the Desktop Pro and disconnect both red and black connection wires from battery terminals and remove battery. NOTE: Follow battery manufacturer specifications for proper disposal of battery
3. Install new battery by connecting red wire to red (positive) battery terminal and black wire to black (negative) terminal and slide battery into Desktop Pro battery compartment.
4. Replace battery cover

TECHNICAL SPECIFICATION	
INPUT	
Voltage Range	100Vac-240Vac
Frequency Range	47-70Hz
Input Power Cord	NEMA 5-15/3-Prong Power Cord
Output Ground Reference	Earth Grounded
OUTPUT #1	
On Battery Output Voltage	12Vdc
Continuous Power Capacity	36W
Efficiency (at 75% Max Load)	> 75%
OUTPUT #2	
Voltage Range	100Vac-240Vac
Frequency Range	50-60Hz
Output Max Current	15A
Input Ground Reference	Earth Grounded
BATTERY	
Battery Type	SLA Battery
Number of Battery	12Vdc/7-8Ah x 1
Typical Recharge Time	< 20 hrs
Replaceable	Yes
SURGE PROTECTION AND FILTERING	
Lightning/Surge Protection	Yes (IEC 61000-4-5 2005 Level D)
MANAGEMENT	
Battery Auto-Charge	Yes
PHYSICAL	
Maximum Dimensions (LxWxD)	6.8 x 3.2 x 7.3 (in)
Weight (lb.)	7.16 (with battery)
ENVIRONMENT	
Operating Temperature	-20C - 45C (-4F - 113F) at full power
Operating Humidity	0-95% noncondensing within enclosure
Max Operating Elevation	10,000ft (3,000m)
Max Storage Elevation	50,000ft (15,000m)
Storage Temperature	-20 - 45C (-4F - 113F)

FCC NOTICE

This equipment has been tested and found to comply with the limit for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with these instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: (1) Reorient or relocate the receiving antenna. (2) Increase the separation between the equipment and receiver. (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. (4) Consult the dealer or an experienced radio/TV technician for help

CAUTION: Any changes or modifications could void the authority granted by FCC to operate this equipment

NOTE: Precision Power reserves the right to change or correct the contents of this document and does not assume any responsibility for omissions or errors.

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