



## USER'S MANUAL FOR Precision Power Model Number: PP36PB-12-EX

### WARNINGS

Review the following important safety warnings to avoid bodily injury or damage to equipment during installation or operation of this 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)



NO user-replaceable parts within this device. To avoid bodily injury, risk of fire or electrical shock do not attempt to remove cover of device.



Device is not designed for use with any alternate connection to AC power than as stated within user specifications of this user's manual.

**NOTE:** The reference to "PB36-EX" within this User Manual refers to Precision Power Model PP36PB-12-EX and all package accessories as listed below.

### CONTENTS OF NXGM PACKAGE

**NOTE:** Please verify all standard contents are accounted for upon receipt of PB36-EX

**STANDARD:** (1) DC Outdoor Rated Power Supply;(3) Cable Ties; (1) 3- Pin Connector; (1) User's Manual

### PB36 INTRODUCTION

The PB36-EX is designed and intended for use as an indoor or outdoor rated, compact, wall mountable Vdc power supply for devices with max rating of 12Vdc 36Watts. Specifically for use with Indoor or Outdoor Rated 12Vdc Optical Network Terminals. The PB36-EX is designed to provide constant supply of 12Vdc output power during normal operating conditions. PB36-EX is also designed with internal charging functionality equipped to supply direct DC power and battery

### INSTALLATION

**STEP 1: INSPECT PACKAGE TO VERIFY ALL STANDARD CONTENTS ARE ACCOUNTED FOR. REVIEW "CONTENTS OF NXGM-EX PACKAGE" FOR LIST OF STANDARD CONTENTS**

**STEP 2: REMOVE CABLE STORAGE AND MANAGEMENT COVER (SEE FIG 1)**

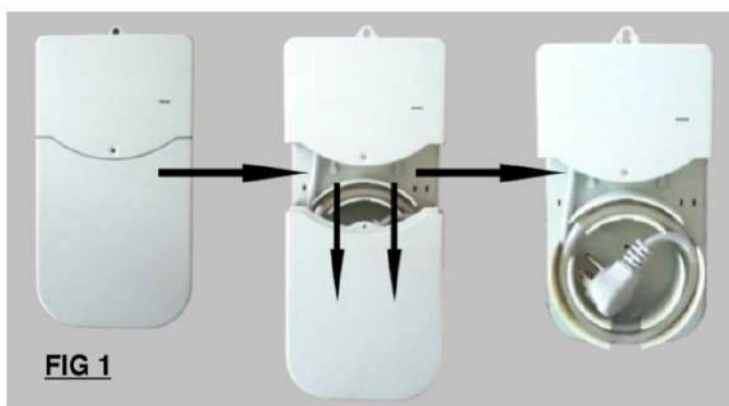


FIG 1

**STEP 3: SECURE PB36-EX TO INTERIOR OR EXTERIOR WALL USING #8 OR #10 SCREWS (NOT INCLUDED). PLACE SCREWS IN TOP AND CENTER SCREW MOUNTING HOLES ON PB36-EX (SEE FIG 2).**

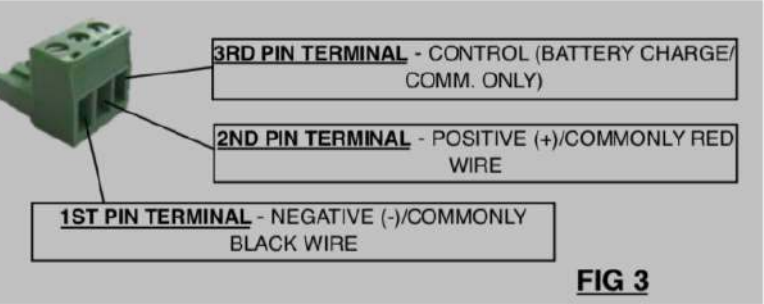
**NOTE: ENSURE PB36-EX IS SECURED TO FLAT AND EVEN SURFACE. WALL ANCHORS (NOT INCLUDED) MAY BE NEEDED FOR INSTALLING ON DRY WALL FOR PROPER SECUREMENT.**



FIG 2

STEP 4: USING PROVIDED 3 PIN TERMINAL BLOCK, TERMINATE  
RECOMMENDED 16AWG 2 OR 3 CONDUCTOR LOW VOLTAGE CABLE  
(NOT INCLUDED) AS SHOWN IN FIG 3.

NOTE: 3RD PIN ON TERMINAL BLOCK IS ONLY USED WHEN OPTIONAL  
INLINE BATTERY BACKUP IS INSTALLED. 3RD PIN PROVIDES  
CHARGING VOLTAGE TO BATTERY. \*\*3RD PIN IS NOT FOR  
GROUNDING PURPOSES - CONNECTING ACTIVE GROUND TO 3RD PIN  
CAN CAUSE PB36-EX TO OPERATE INCORRECTLY



STEP 5: CONNECT 3 PIN TERMINAL BLOCK TO PB36-EX

STEP 6: CONNECT PB36-EX VAC 3 PRONG PLUG TO STANDARD U.S.  
120VAC OUTLET. VERIFY SYSTEM STATUS LED IS ILLUMINATED TO  
CONFIRM ACTIVE VAC VOLTAGE IS NOW PRESENT.

SYSTEM STATUS LED - GREEN LED WHEN PB36-EX IS OPERATIONAL

STEP 7: ROLL UP EXCESS VAC AND VDC CABLE IN PB36-EX CABLE  
MANAGEMENT TRAY

STEP 8: REPLACE CABLE STORAGE AND MANAGEMENT COVER AND  
FASTEN "SECURITY" SCREW TO SECURE COVER TO PB36-EX

TECHNICAL SPECIFICATION	
<b>INPUT</b>	
NOMINAL VOLTAGE	120VAC
VOLTAGE RANGE	100VAC - 240VAC
FREQUENCY	50/60Hz
MAX CURRENT LIMIT	15A
INPUT INTERFACE	3 PRONG US PLUG
SURGE RESISTANCE	12KVA
<b>OUTPUT</b>	
NOMINAL VOLTAGE	12VDC
CONTINUOUS POWER CAPACITY	36 WATT
NOMINAL EFFICIENCY	80%
INPUT INTERFACE	3 PIN TERMINAL BLOCK
3RD PIN VOLTAGE (CHARGING VOLTAGE)	.5 - 5VDC (5mA DC MAX)
<b>ENVIRONMENTAL</b>	
OPERATING TEMPERATURE	-20C to +60C
STORAGE TEMPERATURE	-40C to +65C

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 the 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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