

Part # BWPSKIT | Power Supply Board Field Installation Manual

Power Supply Field Installation Manual

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Power Supply Field Installation Manual

1. Introduction

This manual is intended to help you successfully install the I/O Board Kit as an add-on item in the field. The following instructions will show you a step by step procedure to install the hardware required for the 110 / 220 VAC Power Supply.

It is critical that you follow all Company and government **SAFETY** procedures when installing this component in the field as there is exposure to high Voltage.

After reading this manual and you require any assistance with the installation, wiring, and setup of the integrator please contact our technical support department.

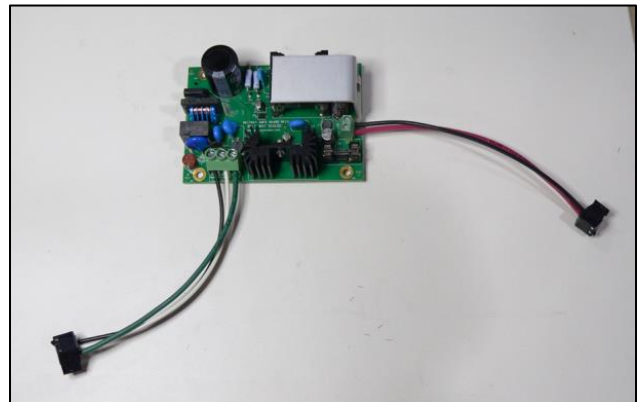
Belt-Way Scales Inc.

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2. What is in the Box?

The following items are in the box:

1. 1 QTY – Power Supply Board
2. 4 QTY -Screws
3. 1 QTY – 3 Pin Connector with 3 wires pre-wired to the Power Supply Board.
4. 1 QTY – 3 Pin Connector for external wiring
5. 1 QTY - Connector with 2 wires pre-wired to the Power Supply Board.
6. 3 QTY – Warning Stickers
7. 1 QTY – Input Rating Sticker



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3. Tools Needed

The following basic tools will be needed:

1. 1 QTY – Phillips / Star Head Screw Driver
2. 1 QTY - Small Flat Head Screw Driver
3. Lock-Out Tag
4. Correct PPE

4. Step By Step Installation Procedure

The following is a step by step procedure to install the power supply hardware:

Before You Start

1. Disconnect power at the source to the integrator at the breaker; disconnect panel or battery terminals in some cases.
2. Lock out the source supply power while installing the Power Supply Board



STEP 1

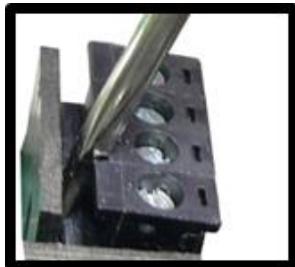


Open the box

Step 2 (Follow this step if you are replacing an existing Power Supply)

(A) IF 110-220 VAC power Supply is INSTALLED

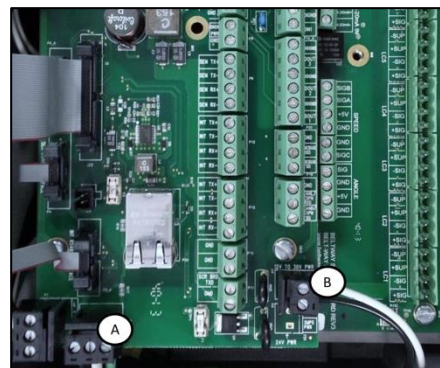
- Remove the AC Supply power Connector inside the Integrator.



When removing the connector use the screw driver as shown above to avoid pin damage.

(B) IF 10-30 VDC power Supply is connected

- Remove the DC supply Power Connector inside the Integrator.



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STEP 3



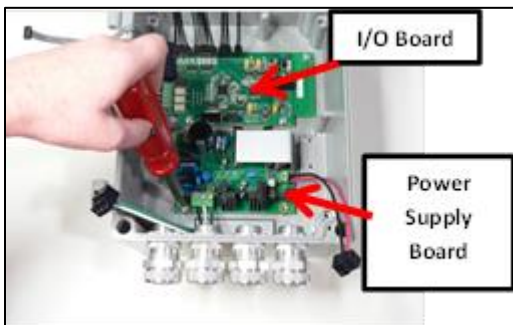
1. Remove the 4 screws that hold the Shield Plate and board stack as a unit.
2. The Terminal board and Sensor Board will remain bolted to the Shield Plate.

STEP 4



1. Remove the board stack

STEP 5



1. The wiring supplied should already be attached to the board when shipped.
2. Please check that all terminals are tight.
3. Place the supplied power supply Board on the mounting supports inside the box at the bottom and install mounting screws.

Note: The picture shows an I/O Board already installed above the Power supply board.

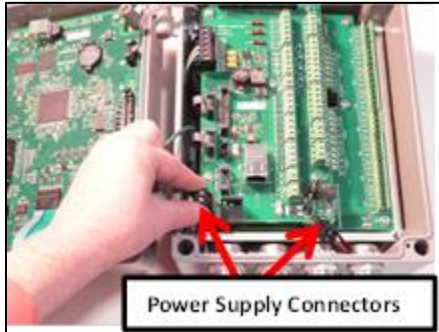
STEP 6



1. Install and tighten 4 mounting screws for the shield plate and board stack.
2. If you have an I/O Board make sure you plug all connector back into their locations.

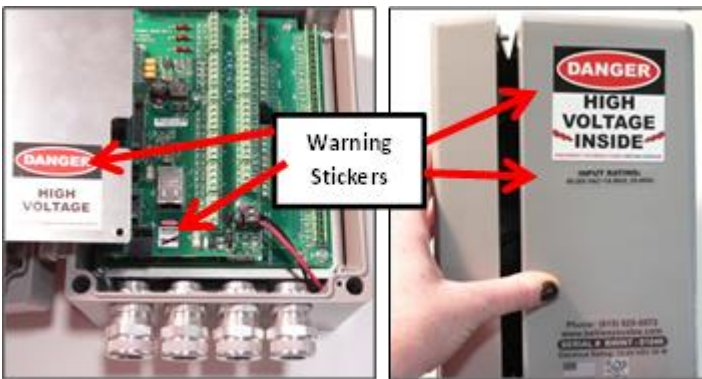
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STEP 7



1. Position the shield plate (incl. board stack) back inside the box.
2. Route the cable assemblies around the board stack to the top and plug them back in.

STEP 8

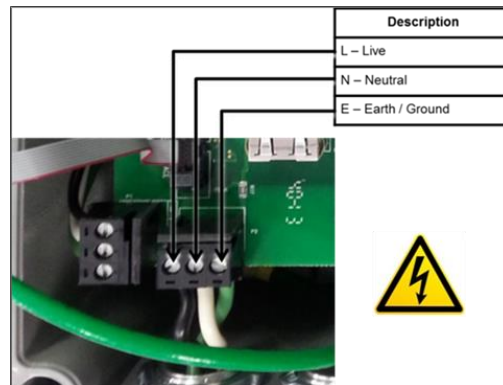


Place warning stickers and Input Rating sticker in the locations shown.

STEP 9



Connect 110 / 220 VAC to **Power IN**, terminal



STEP 10

Close the Integrator Box

STEP 11

Turn Power Back ON