

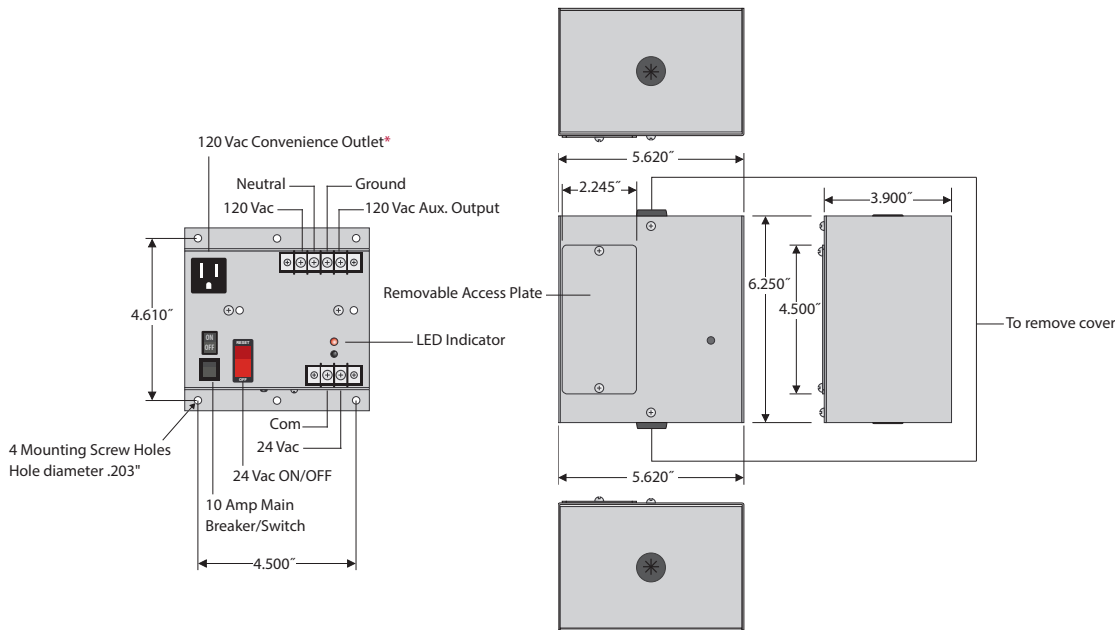
PSB / PSC Series Installation Instructions

Bulletin B1450

Application

These general-purpose power supplies can be used to fulfill all the 120 Vac and 24 Vac* (Class 2) power requirements needed inside a building automation (BAS) panel, industrial enclosure, or other general purpose electrical

enclosure, in addition to on/off control, equipment over-current protection, power indication, high/low voltage separation, and a convenience receptacle. They are also useful for many applications outside of BAS.



PSB / PSC Series Selection Guide

Model Number	VA Rating	Panel Mount	Enclosed	120 Vac Receptacle	Aux Output	Main Breaker on Input Power	Secondary Configuration
PSC100AB10	100 VA		•	•	•	10 Amp Switch / Breaker	Terminal Strip
PSB100AB10	100 VA	•		•	•	10 Amp Switch / Breaker	Terminal Strip
PSC40AB10	40 VA		•	•	•	10 Amp Switch / Breaker	Terminal Strip
PSB40AB10	40 VA	•		•	•	10 Amp Switch / Breaker	Terminal Strip

Installation

When installing this product...

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the product ratings and ensure that the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, perform a voltage check as provided in these instructions.

CAUTION

RISK OF ELECTRICAL SHOCK - MORE THAN ONE DISCONNECT MAY BE REQUIRED TO DE-ENERGIZE THE DEVICE BEFORE SERVICING.

CAUTION

REMOVAL OF COVER OR ACCESS PLATE (IF PRESENT) EXPOSES HIGH VOLTAGE.

Mounting

1. Remove the entire front cover (PSC versions) by extracting 2 screws on top front.
2. Attach uncovered power supply using 4 screw holes.

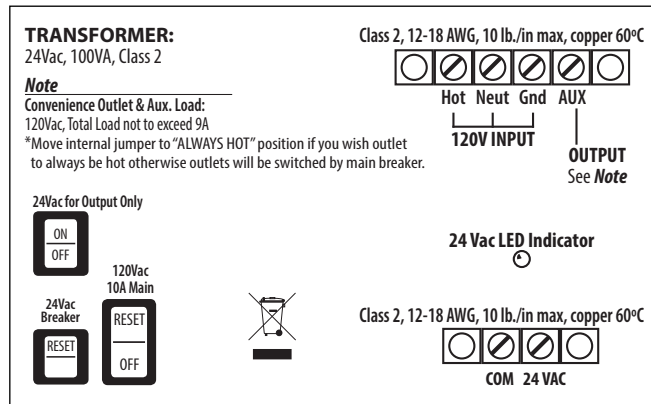
3. Make desired wire connections.
4. Reattach cover for PSC versions.

Wiring

All wiring must comply with local codes and ordinances. Disconnect power before making wiring connections to prevent electrical shock or equipment damage.

1. Bring wiring into 1 of the 2 openings on the side of the power supply while cover is removed (PSC version).
2. Make appropriate connections to the terminal strips.

Note: All field wire leads are intended for installation inside the enclosure.



Voltage Check

After installation is complete, turn on power supply and perform a voltage check:

1. Place controlled equipment in operation and observe through one complete cycle.
2. Using a voltmeter, check for proper primary and secondary voltages.
3. If voltage readings are incorrect, be sure primary voltage connections are made correctly.
4. Measure voltage again:
 - a. If correct primary voltage is measured and secondary voltage is significantly less than the voltage shown on the regulation curves, transformer winding is damaged. Replace transformer and repeat checkout procedures.
 - b. If primary voltage is 0V, be sure power supply is connected correctly or repair, if necessary. Repeat checkout procedures.

Warranty

FUNCTIONAL DEVICES, INC. LIMITED WARRANTY
(as defined by Magnuson-Moss Federal Trade Commission Improvement Act)

These products are warranted to be free from manufacturing defects under normal use and conditions for one (1) year.

The warranty does not apply to:

- (a) Damage caused by accident, abuse, mishandling, or dropping;
- (b) Units which have been subjected to unauthorized repair, opened, or taken apart;
- (c) Units not used in accordance with directions;
- (d) Damages exceeding the cost of the product; and
- (e) Damages caused by lightning, water, or condensation.

If warranty service is required during the warranty period, and if examination shall disclose to the manufacturer's satisfaction that the product was originally defective, then the manufacturer will at its option repair or replace the product without charge upon prepaid delivery of the product to the factory with proof of date of purchase. Corrections of such defects by repair to or supplying of replacements for defective parts shall constitute fulfillment of all obligations of the manufacturer.

Manufacturer shall not be liable for loss, damage, or expense directly or indirectly from the use of its product, from the failure of its product to perform as expected, or from any other cause.

The above warranty supersedes and is in lieu of all other warranties, expressed or implied, and of all other liabilities or obligations on the part of the manufacturer. No person, agent or dealer is authorized to give any warranties on behalf of the manufacturer nor to assume for the manufacturer any other liability in connection with any of its products.

For warranty service, call factory for RA number and send the warranted product prepaid with sales receipt to:

FUNCTIONAL DEVICES, INC.
101 COMMERCE DRIVE
SHARPSVILLE, IN 46068

FEDERALLY REQUIRED STATEMENT: "This warranty gives you specific legal rights, and you may also have other rights which vary from state to state."

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