

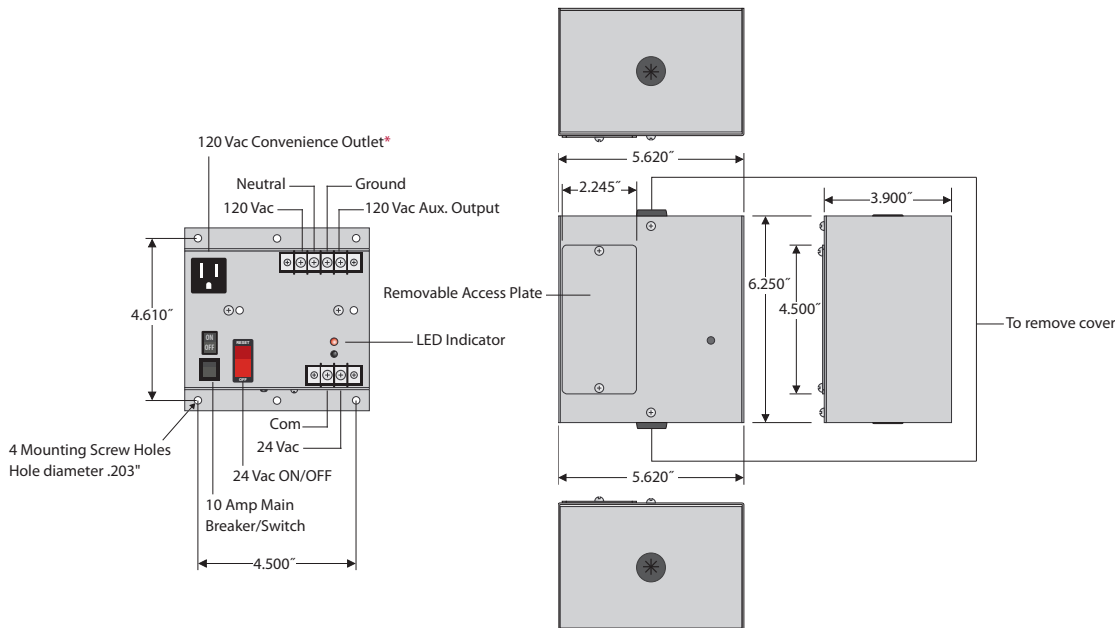
# PSB / PSC Series Installation Instructions

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 convenience receptacles. They are also useful for many applications outside of BAS.



PSB / PSC Series Selection Guide							
Model Number *	VA Rating	Panel Mount	Enclosed	120 Vac Receptacles	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

\* All models may be followed by -IC.

## 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.

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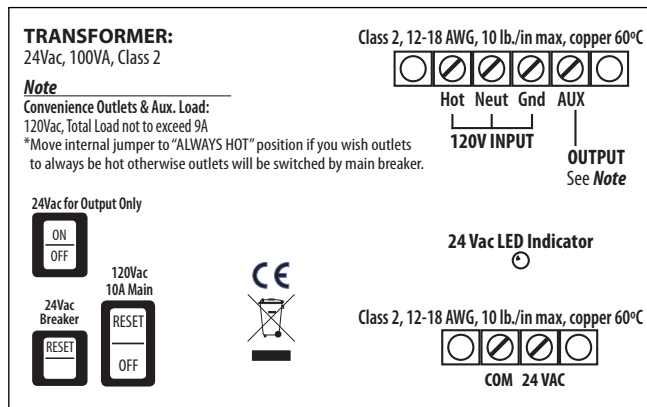
REMOVAL OF COVER OR ACCESS PLATE (IF PRESENT) EXPOSES HIGH VOLTAGE.

# 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.