# Converting a PB-2 Power Block to a PBx-11

2014-11-14

## Summary

These instructions explain how to convert a PB-2 Power Block to a PBx-11 and make the necessary changes in the OMNI Select software.

## Equipment required

- PBx-11 display kit, model K329013
- PB-2 to PBx-11 adapter, model K329015

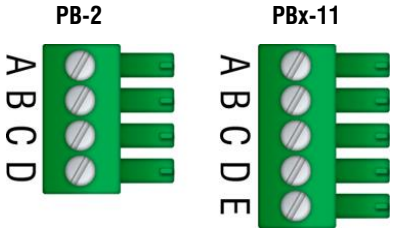
## Power Block conversion

### Remove the old display

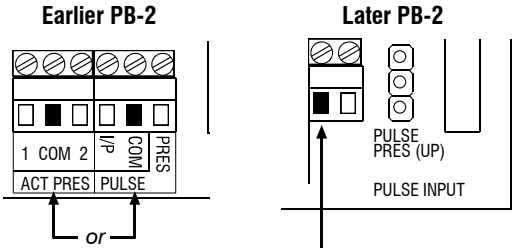
1. Switch off the power to the control at the breaker panel.
2. Remove the cover from the unit.
3. Unplug the green communication connector.
4. Remove the microboard by pulling it straight out.

### Install the new display

1. Remove the new display from the bag.
2. Insert the adapter into the control board where the microboard used to be.
3. Connect the ribbon cable of the display to the adapter on the control board.
4. Transfer the wires from the 4-position communication connector to the 5-position connector on the new display. Keep the wires in the same **A B C D** positions.



5. If there is an extra communication wire connected to the PB-2 control board at one of the locations in the diagrams below, this is the common reference wire. Move it to the **E** connection on the new connector.




6. If this is the last device on the communication channel, remove the termination shunts from the top-left corner of the board. If this is not the last device, leave the shunts on the pins.
7. Switch on the power to the unit. It will show a countdown, the version, and then the room temperature. If it does not display anything, check the ribbon cable connection.
8. Write down the 8-digit address found on the back of the cover in the top-right corner. You will need to enter this in the OMNI Select software.
9. Fasten the cover to the enclosure using the four screws.

## OMNI Select changes

1. Log in to OMNI Select and then click **Ventilation**, **Configuration**.
2. Choose the Power Block to change and then click **Edit Power Block**.
3. Change *Type* to PBx-11 and then enter the new address.
4. Click **Settings**.
   If the temperature reading time updates, the PBx-11 is communicating.
5. Acknowledge any alarms in the Communication Center that have been generated in the process.

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