PBx-10 and PBx-11 version 1.11 release

May 21, 2014

Issue

PBx-10 and PBx-11 Power Blocks have been updated to v1.11. We advise all customers to upgrade to the latest version to take advantage of new features and enhanced reliability.

What changes were made?

Some customers have seen one or two PBx-10 or PBx-11 Power Blocks change their address in electrically noisy environments. This results in loss of communication between that Power Block and the computer.

As designed, the Power Block still properly controls the ventilation equipment without communication to the computer running the Select software. However, this preventative maintenance update is recommended to improve communication in electrically noisy conditions.

How do I find the version of the Power Block?

The version is displayed when powered up (recommended method). It is also on a white label inside the cover in the upper-right corner of the circuit board, which could be out-of-date if the display was updated after it was installed.

How do I get an update?

If you have a PBx-10 or 11 Updater, send it to Phason; we will update it at no charge. If you do not have an Updater, you can purchase one from your dealer. The Updater will work across all Power Blocks of the same model, and we will update it free of charge with future versions. For example, the PBx-10U will update all versions of the PBx-10 Power Blocks.

- The Updater part number for PBx-10 Power Blocks is **PBx-10U**.
- The Updater part number for PBx-11 Power Blocks is **PBx-11U**.

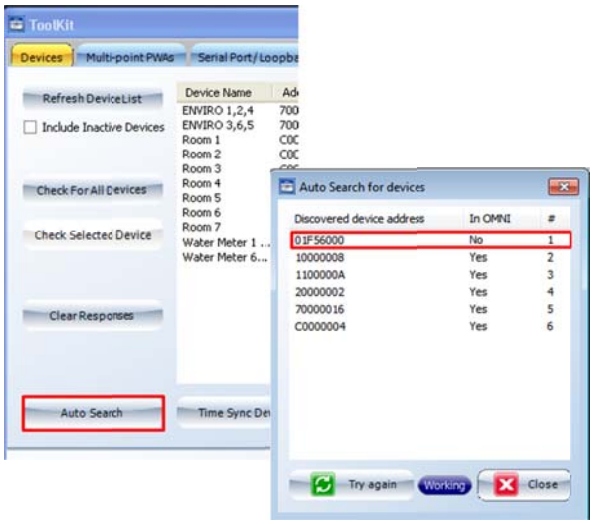
How do I know if communication loss is from a changed address?

If the Power Block is powered on and re-stripping the communication wires doesn't fix the communication problem, the Power Block may have changed its address.

Communication loss is **not** from a changed address if:

- All Power Blocks stop communicating. This will be a problem with the RS485 converter or a broken wire between it and the first Power Block.
- A group of Power Blocks all in a row on the communication cable are not communicating. This will likely be a broken wire at the last good device or first missing device.

To check for a changed address, open **ToolKit** (previously called TestBench Select) from the OMNI Select Site/Settings. If you do not have ToolKit, contact your dealer or Phason to update to the latest version of Omni Select.



Click the **Auto Search** button in the **Devices** tab.

If Auto Search reveals a non-standard address with **No** in the *In OMNI* column, the Power Block has a changed address. This can be reverted back to the original address with ToolKit.

How do I change a Power Block address back to the original one?

IMPORTANT! If more than one Power Block has a changed address, switch off the power or disconnect the green communication connector from all Power Blocks with a changed address, **except one**. Power Blocks that have not had an address change can stay connected and powered. Run Auto Search again to get only one incorrect address.

1. Write down the incorrect address listed in Auto Search and then close the window.
2. In the **Devices** tab, right-click the Power Block that has the incorrect address.
3. Click **Change Device Address**. When the *Confirmation* window displays, click **Yes**, and then enter the INCORRECT address.
4. Select the Power Block and then click **Check Selected Device**. A time will display in the *Last Response* column.
5. Repeat steps 2 to 4 and enter the CORRECT address.

It is important that you update the Power Blocks to prevent this from occurring again.

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