

Technical service bulletin 23

November 10, 2006

Subject

Linking Power Block temperature probes

Affected products

PB-1 to PB-5

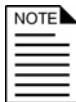
Issue

When using more than one Power Block in a single ventilation area (room or zone), fans are often connected to one Power Block, and curtains or inlet actuators connected to the other. If the temperature probes for the Power Blocks are not reading and responding to the same temperature, there can be a mismatch between the staging for inlets and fans. This can cause poor distribution of air flow within the ventilation area, which can make the problem worse.

Resolution

Linking the temperature probes together ensures that each Power Block responds to the same temperature. When the probes are linked together, the Power Blocks respond to the average temperature. For example, if one probe reads 74°F and the other probe reads 76°F, both Power Blocks respond to an averaged temperature of 75°F.

You can link as many temperature probes as you like; each linked Power Block responds to the same “averaged” temperature.



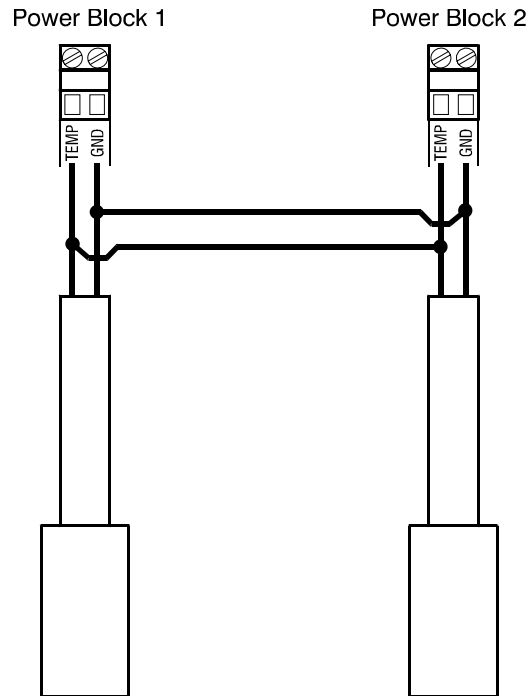
Linking temperature probes is not a solution for failing or intermittent probes. Linking damaged probes causes each Power Block to respond to the same “incorrect” temperature. Replace damaged probes as soon as possible.

If temperature probes for Power Blocks are linked, the group set points for each Power Block must be adjusted together. This includes manual adjustments and growth curve or ventilation curve settings.



Linking the temperature probes

- ◆ Connect the temperature probe terminals together using a piece of probe cable.
- ◆ Connect the **TEMP** inputs using one wire and the **GND** inputs using the second wire.



	<p>Some Power Block terminals do not show which connector is the TEMP and which is the GND.</p> <p>On these terminals, the left is the TEMP and the right is the GND.</p>	
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If you have any questions, contact Phason Customer Support.