

## Measuring Phase Sync on a PTXL-HF16-X-XX

This measurement ensures the A and B infeeds on the unit are in phase of each other (phase sync). If the infeeds are not phase synced, severe damage to the PTXL will occur and cause the warranty to be void.

### Procedure

Using a voltage meter (multimeter) set the meter to measure AC voltage on a range greater than the voltages to be measured. Insert one probe into the Line 1 (line) of the A branch outlets, and insert the other probe into the Line 1 (line) of the B branch outlets (Figure 1). This will measure the phasing on the Line 1 side.



Figure 1. Measuring Branch A and B, Line 1

To measure the Line 2 (neutral) side, insert one probe into the Line 2 (line) of the A branch outlets, and insert the other probe into the Line 2 (line) of the B branch outlets (Figure 2). This will measure the phasing on the Line 2 side.



Figure 2. Measuring Branch A and B, Line 2

**Important:** If the A and B infeeds on the unit are phase synced, a voltage reading will not display. If the infeeds are not in sync, the higher the voltage displayed the more out-of-sync the infeeds will be. An out-of-sync voltage will damage the unit when switching occurs between the A and B infeeds causing a “flash-over” when the relays contact the switch.

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Server Technology, Inc.

1040 Sandhill Drive

Tel: 1-800-835-1515

Web: [www.servertech.com](http://www.servertech.com)

Reno, Nevada 89521 USA

Fax: 775-284-2065

Email: [support@servertech.com](mailto:support@servertech.com)



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