

New Center-Tapped Transformers

This technical bulletin announces the discontinuation of the Three-Board and Six-Board center-tapped transformers used to power 16AIs and other I/O boards. This bulletin also introduces two new center-tapped transformers offered as replacements, along with instructions on how to install them.

Overview

Effective immediately, two of the three center-tapped transformers supplied by Copeland for powering 24VAC I/O boards will no longer be shipped with new orders. The discontinued transformers are:

- **P/N 640-0043**, Three-Board Transformer, 56VA, 110/220VAC to 24VAC, center-tapped.
- **P/N 640-0045**, Six-Board Transformer, 100VA 110/220VAC to 24VAC, center tapped.

The new transformers that are offered in place of the discontinued transformers are:

- **P/N 640-0056**, Three-Board Transformer, 56VA, 120/208/240 to 24VAC, center-tapped.
- **P/N 640-0080**, Four-Board Transformer, 80VA, 120/208/240 to 25VAC, center-tapped.

Handling New Orders For Discontinued Transformers

All new orders for the discontinued **640-0043** transformer will be fulfilled with the replacement **640-0056** transformer. However, since there is no equivalent replacement for the **640-0045** (100VA) transformer, new orders for this transformer will *not* be fulfilled. Customers who want the **640-0080** (80VA) transformer in place of the obsoleted **640-0045** must specifically order the new **640-0080** transformer.

Installation

The 56VA and 80VA transformers are wired in the same manner. **Figure 1 - Transformer Wiring** shows how to wire both transformers.

Primary Side

1. Wire the **BLUE** (neutral) wire to the quick-connect terminal marked "C."
2. Wire the **BROWN** (hot) wire to either the 120, 208, or 240 terminal, depending on the input voltage being used.

Secondary Side

1. Wire the 24V or 25V quick-connect terminal to terminals AC1 and AC2 on the I/O board.
2. Connect the CT quick-connect terminal to terminal 0V on the I/O board.

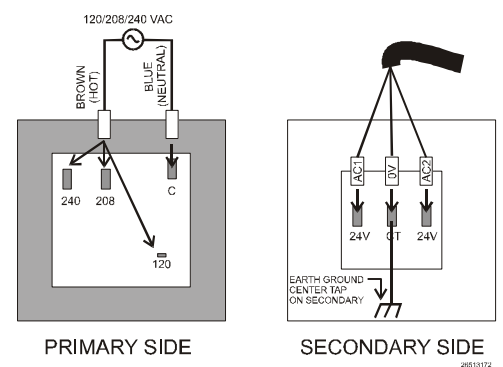


Figure 1 - Transformer Wiring

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For Technical Support call **833-409-7505** or email ColdChain.TechnicalServices@Copeland.com