

New Center-Tapped Transformers

Technical Bulletin

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 Emerson 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** 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.

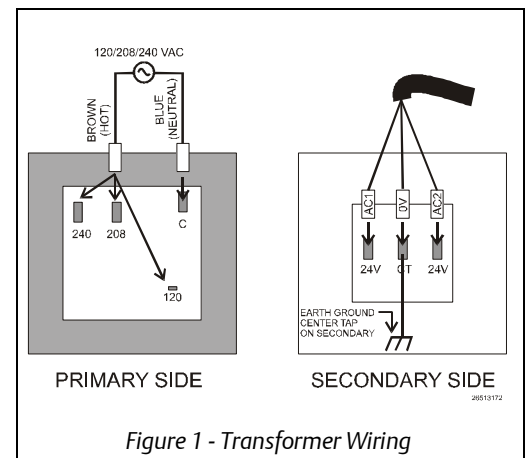


Figure 1 - Transformer Wiring

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