

Refrigeration Current Transformer Installation Instructions

Description

Novar Controls' Current Transformer (CT) is a precision electronic sensing device designed for use with Novar Controls' Spectrum[®] Rack Input Module. The transformer uses a two-wire connection to input a low amperage current proportional to the line current.

Specifications

Ranges: 100:5 CT Ratio

Output: Low current proportional to line

Accuracy: $\pm 1\%$

Installing the CT

The CT should be mounted in a location that provides sufficient wiring access and enough space for electrical wiring to pass through the CT easily.

Use the following procedure to mount the CT.

Step	Procedure
1	Install a tie-wrap mounting base on the mounting surface.
2	Mount the CT perpendicular to the mounting surface.
3	Secure the CT with a tie-wrap.

Wiring the CT

Use the following procedure to wire the CT to the Rack Input Module.

Step	Procedure
1	Connect the white lead to any of the Compressor Current Inputs odd-numbered terminals (1, 3, 5, 7, 9, 11, 13, 15).
2	Connect the black lead to any of the Compressor Current Inputs even-numbered terminals (2, 4, 6, 8, 10, 12, 14, 16).

NOTE! The Current Transformers are not polarity sensitive. However, Novar Controls recommends the above procedure as a standard.

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Checking the Installation

Once the Current Transformer has been installed and the wiring connections completed, the following items should be checked to ensure proper operation:

- Check all wiring to make sure that polarity has been maintained and connections are secure.
 - Use the Refrigeration Controller's keypad and display to change settings and monitor the Current Transformer's input and response.
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Model and Part Numbers

Use the model numbers provided in Table 1 to order the necessary parts.

Table 1. Novar Controls Part Numbers		
PRODUCT	MODEL NO.	PART NO.
Current Transformer (100:5)	—	733080000



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