Quick Start Guide

Sheet 8
Installing A T-Box for use with A CTR05 Timer Relay Board

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Before proceeding with this quick start sheet, you should already have completed all previous (lower numbered) quick start sheets. A CTR05 card should already have been installed in your PC (refer to Quick Start Guide Sheet 7). This Quick Start Guide presents the installation of a T-Box (Connection Box) for use with a Measurement Computing CTR05 card for Digital Control

Step 1: With the computer powered down, plug the ribbon cable from the T-Box into the CTR05 connector on the back of the PC (See Figure 1).

Figure 1. Plugging The T-Box into the CTR05 Card

Step 2: Remove the four screws, 2 on each side, and open the T-Box to access the wiring connections inside (See Figure 2).
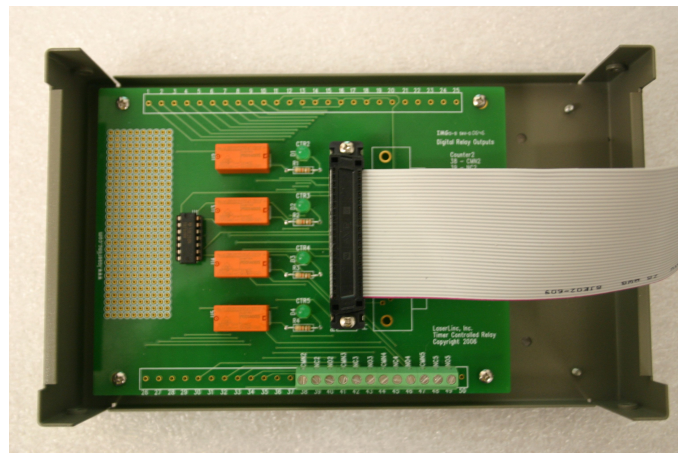

Figure 2. Inside the T-Box

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Step 3: There are 4 relays (5A, 250 VAC switch closures), pre-wired in the box to correspond with 4 of the counters on the CTR05 Card (2 through 5). The connections for the switch closures for these relays are clearly marked on the board and a connection reference list is provided on the board (See Figure 3).
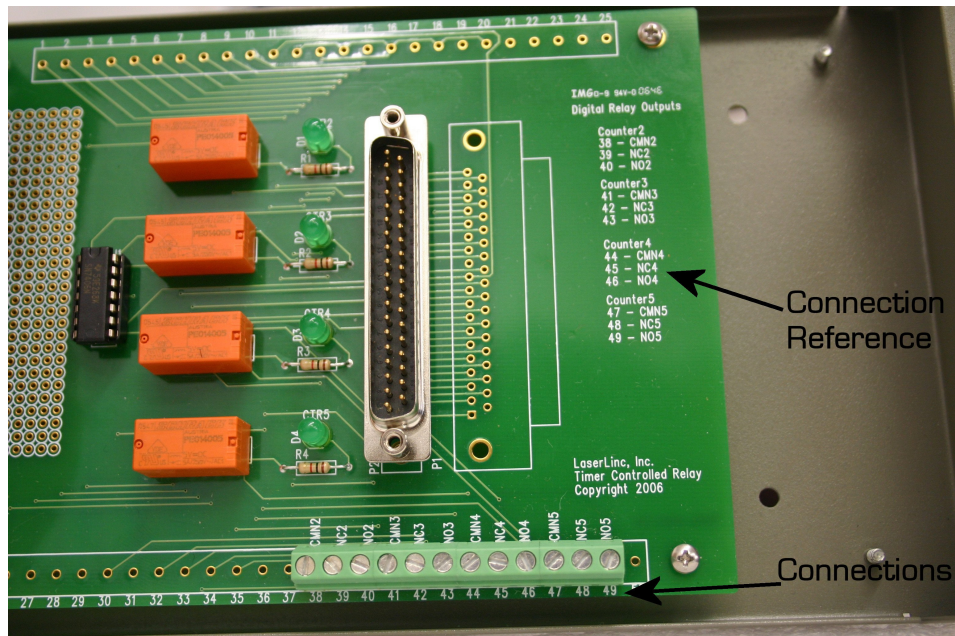

Figure 3. Connections inside the T-Box (Cable removed for Clarity)

Step 4: For Typical control applications, "Jog Up" and "Jog Down" connections use switch closures for counters 2 and 3. Wire the control circuit between the Normally Open terminal and the Common Terminal. When a control action is requested from Total Vu, the appropriate switch closure will be made according to the settings for control in Total Vu.