

Installing The Quadrature Decoder Board

To install the Quadrature decoder board (used to read-in encoder data) & its software drivers, proceed as follows:

1. Start by physically installing the board in a free ISA slot inside your computer. Note that we have configured the board's DIP-switches & jumpers to read-in single-ended scales, without an index signal. Change this only if required. Read the CIO-QUAD0x User Guide before changing the DIP-switches & jumpers.
2. Run the "Autorun.exe" file on the accompanying CD to install the "InstaCal" program (i.e. this will install the board's software drivers as well as "InstaCal" - a configuration program - on your computer).
3. Reboot your computer.
4. Run the "Instacal" program (i.e. Start | Programs | ComputerBoards | Instacal).
5. Choose the "Install | Add a board" option
6. In the "ISA" tab, select the "CIO-QUAD02" or "CIO-QUAD04" board (either 2 or 4 channels) towards the bottom of the list and press the "Add" button. Please note that THE QUAD BOARD THAT YOU ARE INSTALLING MUST BE BOARD #0 (i.e. 1st in the list). This means that if any other boards are present in the "Board List", you must remove them.
7. Configure the board by choosing the "Install | Configure" menu option. We have set the board to base address 280h. Select 280h in the "base address" list. IRQ should be set to 5 and all the other settings should be "SE" (i.e. "Single Ended").
8. Test the board by pressing the "Test | Digital" menu option.
9. Press the "Test" button and make sure that the three "PASS" lights turn green.
10. Press O.K. and then quit "Instacal" (File | Exit).

The board is now installed & configured.

Lookout for this problem:

If the computer "locks up", there is probably an address conflict. You should try using another address (300h is another good choice). To do this, you must a) change the DIP-switch on the board (consult the CIO-QUAD0x User Guide) and b) run "Instacal" and change the address in the "Install | Configure" menu option.

If you need technical support, contact VISION_x INC.:

Tel: (514) 694-9290
Fax: (514) 694-9488
Email: support@visionxinc.com
Web: www.visionxinc.com