



I/O CARD QUICK START GUIDE

for

PISO-813

Language
Version
Update

English
V1.0
Oct.2008

1

What's on your package?

- One PISO-813 series card
- One companion PCI CD (V3.3 or later)
- One Quick Start Guide(This document)

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Installing Windows Driver

Follow those steps:

1. Setup the Windows driver.




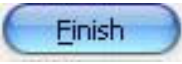
You can get the driver from:

CD:\NAPDOS\PCI\PISO-813\DLL_OCX\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/piso-813/dll_ocx/



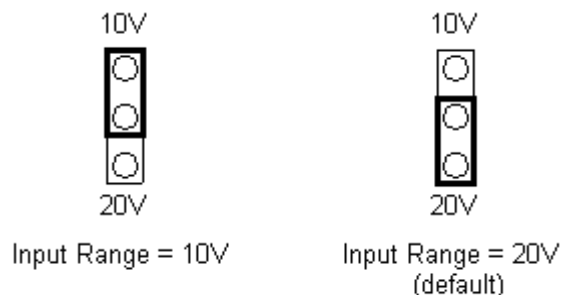
Windows driver only support windows 98/NT/2000 and XP/2003/vista 32-bit versions.

2. Click  button to start installation.
3. Click  button to install driver into the default folder.
4. Click  button to continue installation.
5. Select **“NO, I will restart my computer later”** and then click  button.

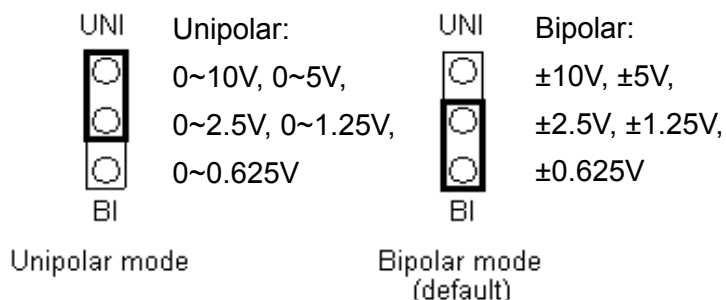
3

Jumper Setting

- JP1: Analog Input Range Selection.



- JP2: Bipolar / Unipolar Selection.



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Installing Hardware on PC

Follow those steps:

1. Shut down and power off your computer
2. Remove all covers from the computer
3. Select an empty PCI slot
4. Carefully insert your I/O card into the PCI slot
5. Replace the PC covers
6. Power on the computer

After powering-on the computer, the Plug&Play card could work immediately.

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Pin Assignments

➤ **CON1: 37 pin of D-type female connector.**

Pin Number	Description	Pin Number	Description
1	AI0	20	AI1
2	AI2	21	AI3
3	AI4	22	AI5
4	AI6	23	AI7
5	AI8	24	AI9
6	AI10	25	AI11
7	AI12	26	AI13
8	AI14	27	AI15
9	AGND	28	AGND
10	AGND	29	AGND
11	AI16	30	AI17
12	AI18	31	AI19
13	AI20	32	AI21
14	AI22	33	AI23
15	AI24	34	AI25
16	AI26	35	AI27
17	AI28	36	AI29
18	AI30	37	AI31
19	AGND		×

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Self-Test

1. Use DN-37(Optional) to connect the AI channel 0 ~ AI channel 7.

AI_0 connect to AGND, (pin1 connect to pin9)

AI_01 connect to AGND, (pin20 connect to pin28)

AI_02 connect to AGND, (pin2 connect to pin9)

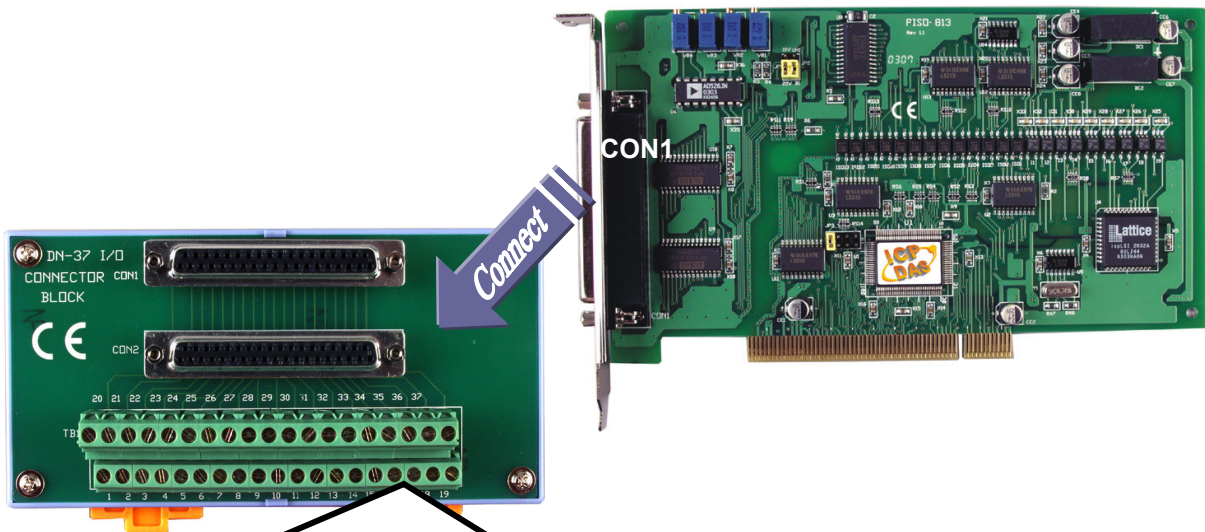
AI_03 connect to AGND, (pin21 connect to pin28)

AI_04 connect to AGND, (pin3 connect to pin9)

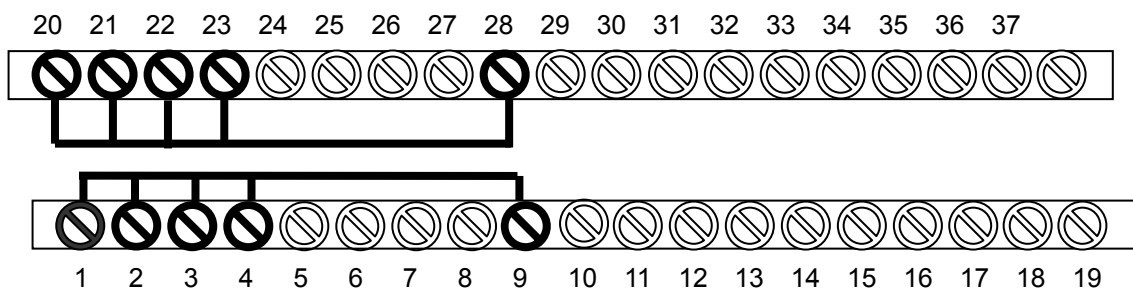
AI_05 connect to AGND, (pin22 connect to pin28)

AI_06 connect to AGND, (pin4 connect to pin9)

AI_07 connect to AGND. (pin23 connect to pin28)



DN-37 Wiring



2. Run the PISO-813 sample program.

Get the file from:

CD:\NAPDOS\PCI\PISO-813\DLL_OCX\Demo\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/piso-813/dll_ocx/demo/

3. Check number of the PISO-813 and test Diag function.

1. The one PISO-813 had successfully installed to PC.

2. Select the board number for the PISO-813. It starts from 0.

3. Check JP1 and JP2 (Depend on JP1 and JP2)

4. Select the Floating.

5. Click this button to do Diag test.

4. Get Diag function test result.

Channel	Value	Value	Value	Value	Value	Value	Value
Ch 0 ~ 7	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
Ch 8 ~ 15	-0.3979	-0.4761	-0.4858	-0.5493	-0.6348	-0.7544	-0.8348
Ch 16 ~ 23	-0.6558	-0.7690	-0.8740	-0.9302	-0.9814	-1.0327	-1.0840
Ch 24 ~ 31	1.1070	1.1010	1.0905	1.0500	1.0300	1.0300	1.0300

6. Check channel 0~channel 7 for fixed value. (Take the approximate value for 0.)

7. The other channels value for floating number.

Complete

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Additional Information

✓ **PISO-813 Series Card Product page:**

http://www.icpdas.com/products/DAQ/pc_based/piso_813.htm

✓ **DN-37(Optional) page:**

http://www.icpdas.com/products/DAQ/screw_terminal/dn_37.htm

✓ **Documents:**

CD:\NAPDOS\PCI\PISO-813\Manual

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/piso-813/manual/>

✓ **Software:**

CD:\NAPDOS\PCI\PISO-813

<http://www.icpdas.com/download/pci/piso813/index.htm>

The ICP DAS Web Site

<http://www.icpdas.com>



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- Application story

Contact Us

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