Configuring SNAP-AIV-72 Modules for Use with PAC Control Software

This technical note explains how to configure the SNAP-AIV-72 module for use with PAC Control software. To prevent problems, follow these steps exactly:

1. On the Strategy Tree, right-click the Points folder for the I/O unit holding the module. Select Add from the pop-up menu to open the Configure I/O Points dialog box.

Configure I/O Points		
I/O Unit: Local	Type: SNAP-PAC-R2	_
Modules and Points	Type 🔺 Add	
[00] Not Used	Modify	
[01] Not Used	<u>M</u> odiy.	
[02] Not Used	Delete	
[03] Not Used		
[04] Not Used	Mo <u>v</u> e To	
[05] Not Used	Conv To	_
[06] Not Used	Lopy to	×.
[07] Not Used	▼ Europed	AIL L
◀	Expand A	
Close <u>H</u> elp	Collapse.	All

- 2. In the Configure I/O Points dialog box, double-click the module's position number to open the Add Module dialog box
- 3. At the top of the dialog box, select Analog Input. From the Module list, choose SNAP-AIV, as shown:

🐗 Add Module							
Type: O Digital Input O Digital Output O Analog Input O Analog Output							
Module:							
Part	Channels	Type(s)					
SNAP-AITM-8	8	Thermocouple (B,C,D,E,G,J,K,N,R,S,T),					
SNAP-AITM-8D	8	Thermocouple (B,C,D,E,G,J,K,N,R,S,T),					
📄 SNAP-AIV	2	-10 - +10 VDC, -5 - +5 VDC					
SNAP-AIV-i	2	-10 - +10 VDC, -5 - +5 VDC					
SNAP-AIV-4	4	-10 - +10 VDC, -5 - +5 VDC					
SNAP-AIV-8	8	-10 - +10 VDC, -5 - +5 VDC 📃					
SNAP-AIV-32	32	-10 - +10 VDC, -5 - +5 VDC					
SNAP-AIV2-i	2	-100 - +100 VDC -50 - +50 VDC					
OK Ca	ncel	Help					

 Click OK to close the Add Module dialog box. Back in the Configure I/O Points dialog box, click the plus sign next to the new module.

- Double-click the lower-numbered channel on the module to open the Add Analog Point dialog box. Complete the Name field. From the Module drop-down list, choose SNAP-AIV: -10-+10 VDC (Scalable). Leave default scaling. Click OK.
- Double-click the higher-numbered channel on the module. Complete the Name field. Again choose SNAP-AIV: -10-+10 VDC (Scalable) from the Module drop-down list. Set the scaling values as shown below.

	j	Scaling		
Full Range	Clamping	Actual:	Scaled:	
<u>U</u> nits: VDC		VDC	VDC	
Lower: -10		-10	-100	
Upper: 10		10	100	
	Clear		D <u>e</u> fault	

7. Click OK to exit the dialog box. The new points appear in the Configure I/O Points dialog box, as shown:

4	Configure I/O Points				
I/O Unit: Local Type: SNAP-PAC-R2					
	Modules and Points	Туре	Features / Subtype	Units 🔺	<u>A</u> dd
	⊞ [00] SNAP-IDC5:	Digital Input			
	🖃 📩 [01] SNAP-AIV	Analog Input			Moary
	₩ 0 Channle_1		-10 - +10 VDC (Scalable)	VDC	Delete
	🚰 1 Channel_2		-10 - +10 VDC (Scalable)	VDC	
	[02] Not Used				Mo <u>v</u> e To
	📋 [03] Not Used				Com To a
	📋 [04] Not Used				<u>L</u> opy to ▼
	📋 [05] Not Used			-	Europed All
	•				Expand All
	Close Help	1			Collapse All

8. Click Close.

Both channels will read properly in the range of 0 to 10 volts. Above 10 volts, the lower-numbered channel will go into an over-range condition, but the higher-numbered channel will continue to read correctly.

If you have questions, please contact Opto 22 Product Support at the phone number listed at the bottom of this page.

