

Using the 20-750SC-8U Universal Analog Option Card with RTD Input on PowerFlex 753/755 drives

Question

Can you use the 20-750SC-8U or multiple cards for 6 or more RTD's feedback?

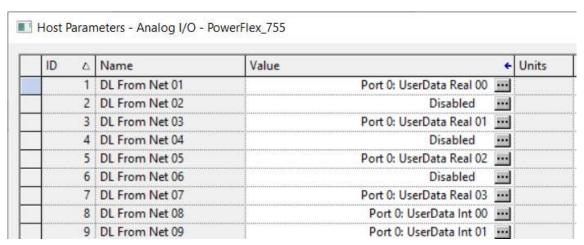
Answer

The PowerFlex 750-Series drives do not provide an RTD input as part of standard I/O.

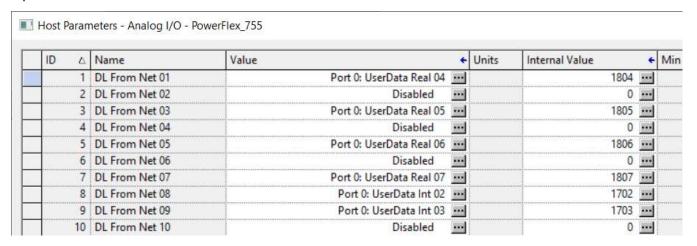
An RTD input is available with the optional 8-Channel Universal Analog Input Module produced by Rockwell Automation's Encompass Partner Spectrum Controls.

You will be limited to the number of datalinks per card. See following example with 2 Spectrum IO modules on a PowerFlex 755 drive.

Spectrum 20-750SC-8U IO Module 1



Spectrum 20-750SC-8U IO Module 2



https://www.spectrumcontrols.com 1 | P a g e



PowerFlex 755 Embedded Ethernet Module

ID A	Name	Value	+	Units	Internal Value	+	Min
17	DL To Net 01	Port 0: UserData Real 00	•		1800	***	
18	DL To Net 02	Port 0: UserData Real 01	••		1801	•••	
19	DL To Net 03	Port 0: UserData Real 02			1802		
20	DL To Net 04	Port 0: UserData Real 03	2		1803		
21	DL To Net 05	Port 0: UserData Real 04			1804	***	
22	DL To Net 06	Port 0: UserData Real 05	••		1805	***	
23	DL To Net 07	Port 0: UserData Real 06	•		1806		
24	DL To Net 08	Port 0: UserData Real 07	••		1807		
25	DL To Net 09	Disabled <u>#</u>			0		
26	DL To Net 10	Disabled <u>I</u>	••		0		
27	DL To Net 11	Disabled <u>*</u>	**		0	•••	
28	DL To Net 12	Disabled •					
29	DL To Net 13	Port 0: UserData int 00	•		1700		
30	DL To Net 14	Port 0: UserData Int 01	••		1701	••••	
31	DL To Net 15	Port 0: UserData Int 02	••		1702	•••	
32	DL To Net 16	Port 0: UserData Int 03			1703	••••	
33	Port Number	1	13			13	

Additional information for the 20-750SC-8U option module can be found in the user manual Publication number 0300287-05 on the product webpage.

https://www.spectrumcontrols.com 2 | P a g e