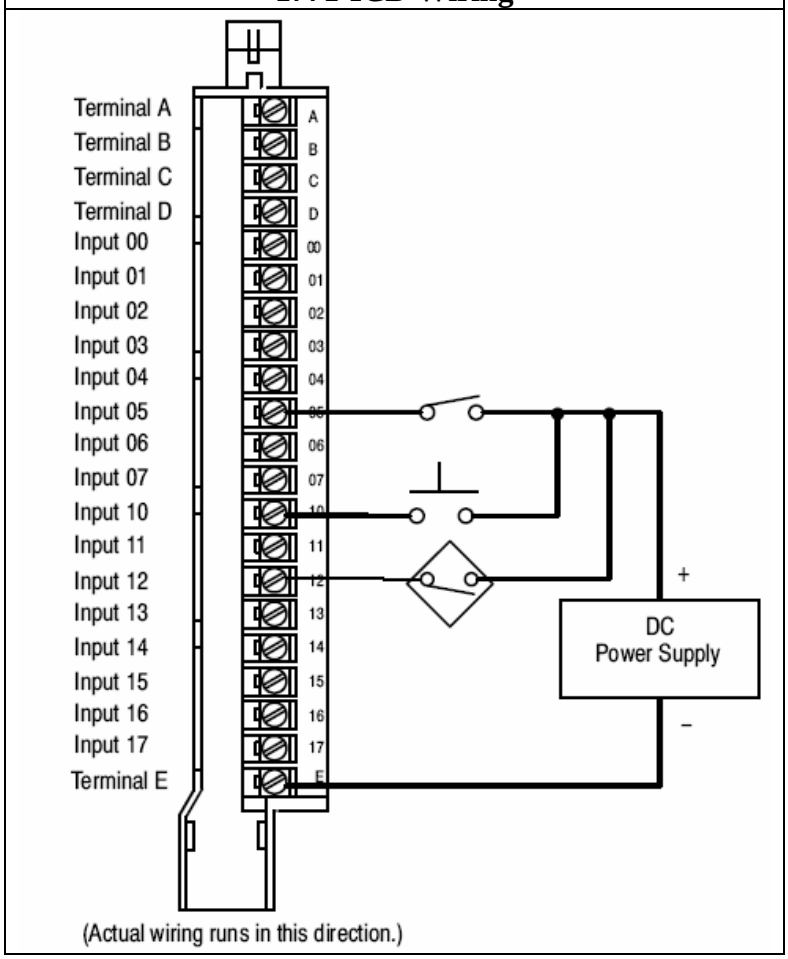
Replacing your 1771-ICD modules with 1771sc-ICI16

Application Note: 2/28/06-1

The 1771sc-ICI16 offers the same functionality of the 1771-ICD and may be used as a replacement. The 1771sc-ICI16 offers 16 channels of input with channel-to-channel-isolation for additional noise suppression. The two modules are wired differently. Below are the wiring diagrams.

1771-ICD Wiring



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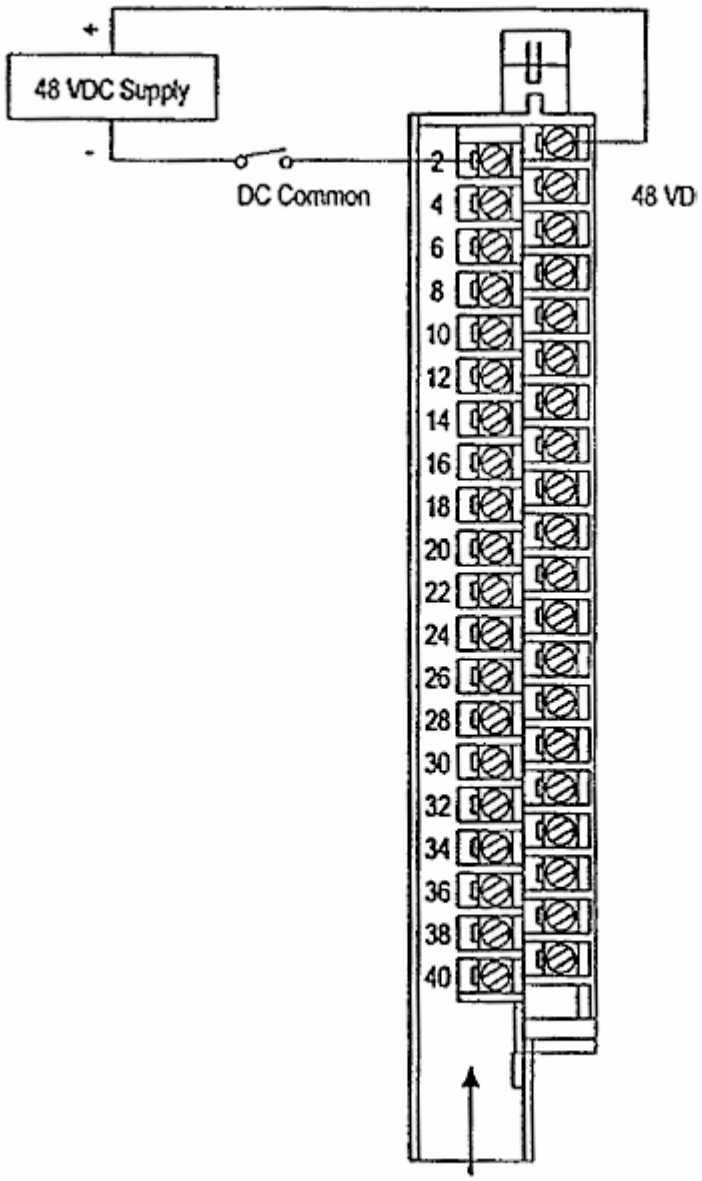
1771sc-ICI16 Wiring



Terminal	Function
1	Input 00 +
2	Input 00 -
3	Input 01 +
4	Input 01 -
5	Input 02 +
6	Input 02 -
7	Input 03 +
8	Input 03 -
9	Not used
10	Not used
11	Input 04 +
12	Input 04 -
13	Input 05 +
14	Input 05 -
15	Input 06 +
16	Input 06 -
17	Input 07 +
18	Input 07 -
19	Not used
20	Not used
21	Input 10 +
22	Input 10 -
23	Input 11 +
24	Input 11 -
25	Input 12 +
26	Input 12 -
27	Input 13 +
28	Input 13 -
29	Not used
30	Not used
31	Input 14 +
32	Input 14 -
33	Input 15 +
34	Input 15 -
35	Input 16 +
36	Input 16 -
37	Input 17 +
38	Input 17 -
39	Not used
40	Not used

* Input numbers are shown in octal.

(Actual wiring runs in this direction.)

The 1771sc-ICI16 programming and operations manual may be downloaded at http://www.spectrumcontrols.com/ab-1771.htm

For additional information, contact Spectrum Controls at 425-746-9481, email spectrum@spectrumcontrols.com or contact your local Rockwell Automation Distributor.

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