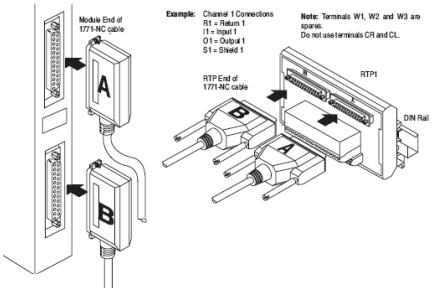
1771-N High Resolution Isolated Analog I/O Modules



The 1771-N High Resolution Analog I/O modules are designed for use with 1771-RTPs (Remote Termination Panels) and connected by a 6 or 15 foot cable (Cat. No. 1771-NC6 or 1771-NC15). The conversion of the 1771-N Series I/O to a 1756 ControlLogix I/O can be accomplished without the removal of any field wires from the existing 1771-RTPs.

Simply replace the (2) existing 1771 cables with (2) of the following cables in the table below. Each of these cables has a connector on one end that attaches directly to the existing 1771-RTP and a 1756 RTB (Removable Terminal Block) on the other end for connection to the ControlLogix I/O module.

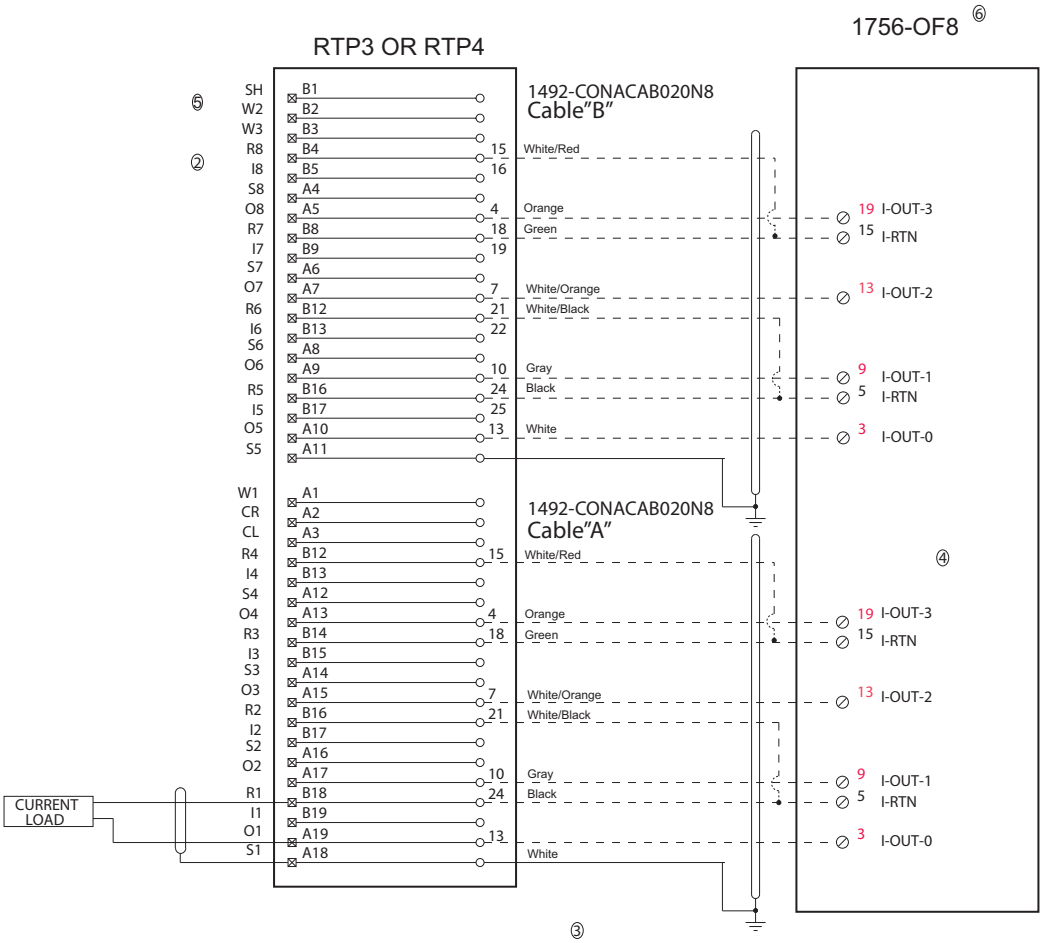
Use the following steps to select the proper conversion cables:

1. Column 2: find the catalog number of the 1771 Digital I/O module.
2. In column 3, find the catalog number of the compatible 1756 Digital I/O module. In some cases more than one module is required. Review the matrix and the I/O module installation manuals to determine full compatibility
3. In column 4, find the catalog numbers and descriptions of the appropriate cables.

1	2		3		4			5
I/O Description	Convert From:		Convert To:		Cable Description	Conversion Cable Catalog Number		Wiring Diagram Page
	1771 Module	Qty.	1756 Module	Qty.		Cable "A"	Cable "B"	
Standard 1771-N High Resolution I/O	1771-NOC	1	1756-OF8I	1	Current (8 Ch)	1492-CONACAB020N88		103
		1	1756-OF8	1	Current (8 CH)	1492-CONACAB020N8		104
		1	1756-OF6CI	2	Current (4/4 CH)	1492-CONACAB020N1	1492-CONACAB020N1	105
	1771-NIS	1	1756-IF8I	1	Current (8 CH)	1492-CONACAB020N38		106
		1	1756-IF6CIS	2	Current (4/4 CH)	1492-CONACAB020N2	1492-CONACAB020N2	107
	1771-NIV	1	1756-IF8I	1	Current (8 CH)	1492-CONACAB020N38		108
		1	1756-IF6I	2	Current (4/4 CH)	1492-CONACAB020N3	1492-CONACAB020N3	109
		1	1756-IF8I	1	Voltage (8 CH)	1492-CONACAB020N78		110
		1	1756-IF6I	2	Voltage (4/4 CH)	1492-CONACAB020N7	1492-CONACAB020N7	111
		1	1756-IF6I	2	Current (A - 4 CH) / Voltage (B - 4 CH)	1492-CONACAB020N3	1492-CONACAB020N7	112
		1	1756-IF6I	2	Voltage (A - 4 CH) / Current (B - 4 CH)	1492-CONACAB020N7	1492-CONACAB020N3	113
	1771-NR	1	1756-IRT8I	1	RTD (8 CH)	1492-CONACAB020N48		114
		1	1756-IR6I	2	RTD (4/4 CH)	1492-CONACAB020N4	1492-CONACAB020N4	115
	1771-NT1	1	1756-IRT8I	1	Thermocouple (8 CH)	1492-CONACAB020N68		116
		1	1756-IT6I	2	Thermocouple (4/4 CH)	1492-CONACAB020N5	1492-CONACAB020N5	117
	1771-NOV	1	1756-OF8I	1	Voltage (8 CH)	1492-CONACAB020N18		118
		1	1756-OF6VI	2	Voltage (4/4 CH)	1492-CONACAB020N5	1492-CONACAB020N1	119
	1771-NIV1	1	1756-IF8I	1	Voltage (8 CH)	1492-CONACAB020N78		120
		1	1756-IF6I	2	Voltage (4/4 CH)	1492-CONACAB020N7	1492-CONACAB020N7	121
	1771-NT2	1	1756-IRT8I	1	Thermocouple (8 CH)	1492-CONACAB020N68		122
		1	1756-IT6I2	2	Thermocouple (4/4 CH)	1492-CONACAB020N6	1492-CONACAB020N6	123

1771-NOC to 1756-OF8

IMPORTANT	There are several key application considerations and system specifications (bottom of drawing) when using these components (conversion module, cable and input module). Read and understand these considerations before installation.



CONVERSION MODULE INSTALLATION AND APPLICATION CONSIDERATIONS

① Cables are available in 2.0m, or 5.0m

② Terminals starting with A are the lower row of terminals, B terminals are the upper row.

③ Follow your PLC Analog User Manual for proper shield grounding instructions.

④ RTN terminals are internally connected on the 1756-OF8.

⑤ Terminals w1, w2, w3, are spares used for field wire convenience. NOTE: this is only true for modules RTP3 and RTP4. The Bul. 1492 cable does not connect to these terminals.

⑥ The 1771 - NOC module provides channel to channel isolation, the 1756-OF8 does not. A conversion from 1771-NOC to an isolated 1756-OF8 is avalible.

41171-079 (00)