



Installation Instructions

SLC 500™ 32-Channel Digital I/O Modules

(Catalog Numbers 1746-IB32, -IV32, -OB32, -OB32E and -OV32)



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Terminal Block Labels											
Bottom Terminal Block						Top Terminal Block					
1746-OB32 1746-OV32		1746-IV32		1746-IB32		1746-OB32 1746-OV32		1746-IV32		1746-IB32	
SLC	PLC	SLC	PLC	SLC	PLC	SLC	PLC	SLC	PLC	SLC	PLC
+V1	+V1	+V1	+V1	CM1	CM1	+V2	+V2	+V3	+V3	CM3	CM3
+V1	+V1	+V1	+V1	CM1	CM1	+V2	+V2	+V3	+V3	CM3	CM3
0	0	0	0	0	0	16	0	16	0	16	0
1	1	1	1	1	1	17	1	17	1	17	1
2	2	2	2	2	2	18	2	18	2	18	2
3	3	3	3	3	3	19	3	19	3	19	3
4	4	4	4	4	4	20	4	20	4	20	4
5	5	5	5	5	5	21	5	21	5	21	5
6	6	6	6	6	6	22	6	22	6	22	6
7	7	7	7	7	7	23	7	23	7	23	7
8	10	8	10	8	10	24	10	24	10	24	10
9	11	9	11	9	11	25	11	25	11	25	11
10	12	10	12	10	12	26	12	26	12	26	12
11	13	11	13	11	13	27	13	27	13	27	13
12	14	12	14	12	14	28	14	28	14	28	14
13	15	13	15	13	15	29	15	29	15	29	15
14	16	14	16	14	16	30	16	30	16	30	16
15	17	15	17	15	17	31	17	31	17	31	17
CM1	CM1	+V2	+V2	CM2	CM2	CM2	CM2	+V4	+V4	CM4	CM4
CM1	CM1	+V2	+V2	CM2	CM2	CM2	CM2	+V4	+V4	CM4	CM4

The stick-on labels of the 1492 Interface Module are abbreviated as follows: +V1 = V dc 1, +V2 = V dc 2, CM1 = Com 1, etc.

Refer to page 11 for information on wiring 32-point I/O modules and how control devices interface with 32-point I/O modules.

TIP

If you decide to build your cable using another 1746-N3 to terminate the cable at the 1492 Interface Module end, wire it in the following manner: Pin 1 to Pin 1, Pin 2 to Pin 2, Pin 3 to Pin 3, etc.

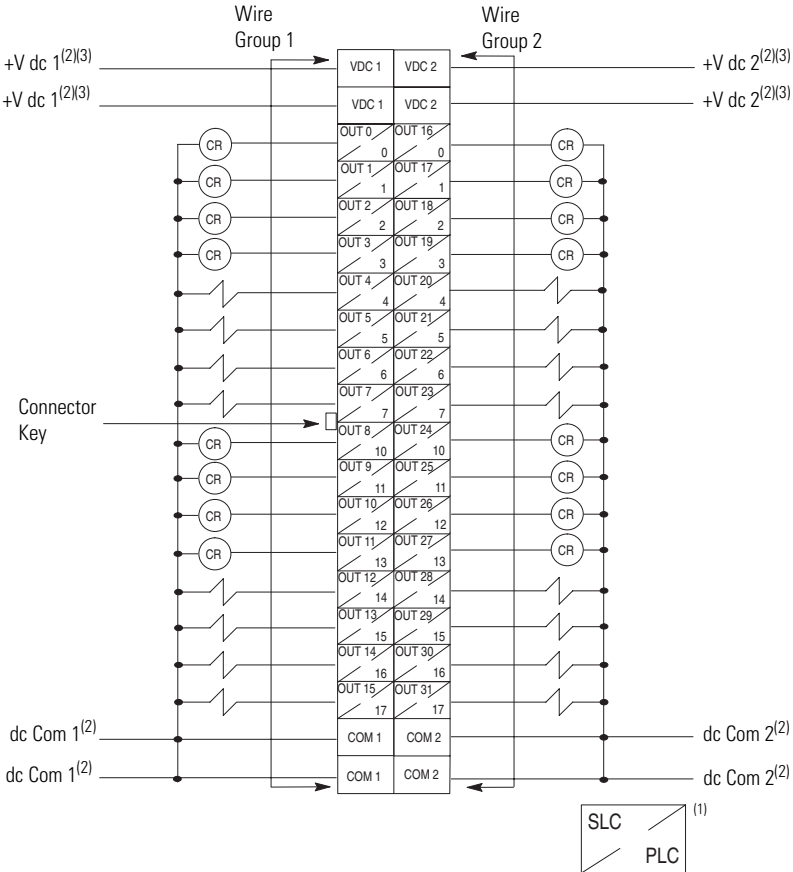
Output Module (1746-OB32 and 1746-OB32E)

1746-OB32

5 to 50V dc Transistor Output Sourcing

1746-OB32E

10 to 30V dc Electronically Protected Sourcing



(1) See decimal and octal coding information on page 16.

(2) The V dc and dc Com pins on the 1746-OB32 and 1746-OB32E output module are isolated between the two groups and the two V dc and two dc Com pins in each group are connected internally.

(3) Both V dc pins must be connected to the dc power source if current for a common group is expected to exceed 2 amps. To maintain group isolation provided by 32-point I/O modules, use a 1492 terminal block that provides group isolation. Consult 1492 documentation or your Allen-Bradley Sales Office for additional information.