



PHOTOSWITCH[®] Photoelectric Sensors and Programmable Controller Interface Manual

1746 SLC[™] I/O
1747 SLC[™] I/O
1791 Block I/O
1794 Flex I/O[™]
1761 MicroLogix[™] 1000

Part II

Preferred Compatibility

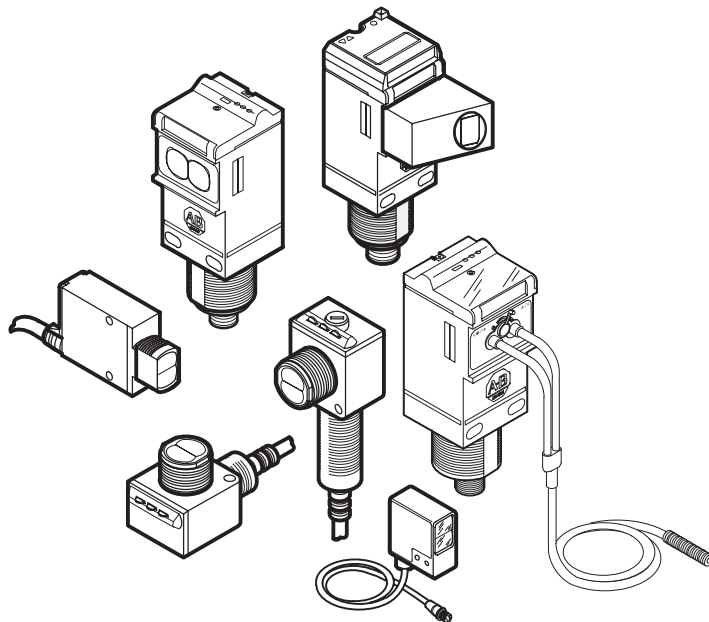


Table of Contents—Part I

Interconnection Tables

1771 PLC [®] I/O	6–51
42BA	6
42BC	6
42CA	6
42CB	7
42EF	7
42FA	8
42FB	8
42FT	8
42GDP	9
42GDR	9
42GDU	9
42GRC	9
42GRF	10
42GRL	10
42GRP	10
42GRR	11
42GRU	11
42GRXC	12
42GRXF	12
42GRXP	12
42GRXU	13
42GTC	13
42GTF	13
42GTGC	14
42GTGF	14
42GTGP	14
42GTGU	15
42GTP	15
42GTR	15
42GTU	16
42KA	16
42KB	17
42KC	18
42KL	19
42KRF	20
42KRL	20
42KRP	21
42KRR	21
42KRU	21

Table of Contents—Part II

1746 SLC™ I/O	52–101
42BA	52
42BC	52
42CA	52
42CB	53
42EF	53
42FA	54
42FB	54
42FT	55
42GDP	55
42GDR	55
42GDU	55
42GRC	55
42GRF	56
42GRL	56
42GRP	56
42GRR	57
42GRU	57
42GRXC	58
42GRXF	58
42GRXP	59
42GRXU	59
42GTC	59
42GTF	59
42GTGC	60
42GTGF	60
42GTGP	61
42GTGU	61
42GTP	61
42GTR	62
42GTU	62
42KA	62
42KB	63
42KC	64
42KL	65
42KRF	67
42KRL	67
42KRP	67
42KRR	67
42KRU	67
1747 SLC™ I/O	52–101
1791 Block I/O	52–101
1794 Flex I/O™	52–101
1761 MicroLogix™ 1000	52–101
Leakage Current Tables	102

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output								NPN Sink Output					
42BA-S1LNAG-A2																	R56	Q56	T56	U56	S56
42BA-S1LPAG-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42BA-S2LNAA-A2																	R56	Q56	T56	U56	S56
42BA-S2LNAC-A2																	R56	Q56	T56	U56	S56
42BA-S2LNAE-A2																	R56	Q56	T56	U56	S56
42BA-S2LPAA-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42BA-S2LPAC-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42BA-S2LPAE-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42BC-B1CRAL-T4	B1	A1	C1	F1	E1	D1	G1	H24	I24	K24	L24	M24	N24	O24	P24	J24	R57	Q57	T57	U57	S57
42BC-B1CRAN-T4	B1	A1	C1	F1	E1	D1	G1	H24	I24	K24	L24	M24	N24	O24	P24	J24	R57	Q57	T57	U57	S57
42BC-B1LBAL-T4								H25	I25	K25	L25	M25	N25	O25	P25	J25	R58	Q58	T58	U58	S58
42BC-B1LBAN-T4								H25	I25	K25	L25	M25	N25	O25	P25	J25	R58	Q58	T58	U58	S58
42CA-D1JNB-A2																	R53	Q53	T53	U53	S53
42CA-D1JNB-D4																	R77	Q77	T77	U77	S77
42CA-D1JPB-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42CA-D1JPB-D4								H37	I37	K37	L37	M37	N37	O37	P37	J37					
42CA-D1KNB-A2																	R53	Q53	T53	U53	S53
42CA-D1KNB-D4																	R77	Q77	T77	U77	S77
42CA-D1KPB-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42CA-D1KPB-D4								H37	I37	K37	L37	M37	N37	O37	P37	J37					
42CA-E1EZB-A2																	R71	Q71	T71	U71	S71
42CA-E1EZB-D4																	R70	Q70	T70	U70	S70
42CA-R1JNB-A2																	R53	Q53	T53	U53	S53
42CA-R1JNB-D4																	R77	Q77	T77	U77	S77
42CA-R1JPB-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42CA-R1JPB-D4								H37	I37	K37	L37	M37	N37	O37	P37	J37					
42CA-R1KNB-A2																	R53	Q53	T53	U53	S53
42CA-R1KNB-D4																	R77	Q77	T77	U77	S77
42CA-R1KPB-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42CA-R1KPB-D4								H37	I37	K37	L37	M37	N37	O37	P37	J37					
42CA-U1JNB-A2																	R53	Q53	T53	U53	S53
42CA-U1JNB-D4																	R77	Q77	T77	U77	S77
42CA-U1JPB-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42CA-U1JPB-D4								H37	I37	K37	L37	M37	N37	O37	P37	J37					
42CA-U1KNB-A2																	R53	Q53	T53	U53	S53
42CA-U1KNB-D4																	R77	Q77	T77	U77	S77
42CA-U1KPB-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42CA-U1KPB-D4								H37	I37	K37	L37	M37	N37	O37	P37	J37					

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output								NPN Sink Output					
42CB-D1LNAF-L2																	R55	Q55	T55	U55	S55
42CB-D1LNAL-L2																	R55	Q55	T55	U55	S55
42CB-D1LPAF-L2								H22	I22	K22	L22	M22	N22	O22	P22	J22					
42CB-D1LPAL-L2								H22	I22	K22	L22	M22	N22	O22	P22	J22					
42CB-P2LNA-L2																	R55	Q55	T55	U55	S55
42CB-P2LNA-M4																	R76	Q76	T76	U76	S76
42CB-P2LPA-L2								H22	I22	K22	L22	M22	N22	O22	P22	J22					
42CB-P2LPA-M4								H36	I36	K36	L36	M36	N36	O36	P36	J36					
42CB-U1LNA-L2																	R55	Q55	T55	U55	S55
42CB-U1LNA-M4																	R76	Q76	T76	U76	S76
42CB-U1LPA-L2								H22	I22	K22	L22	M22	N22	O22	P22	J22					
42CB-U1LPA-M4								H36	I36	K36	L36	M36	N36	O36	P36	J36					
42EF-B1MNBC-A2																	R66	Q66	T66	U66	S66
42EF-B1MNBC-F4																	R88	Q88	T88	U88	S88
42EF-B1MNBE-A2																	R66	Q66	T66	U66	S66
42EF-B1MNBE-F4																	R88	Q88	T88	U88	S88
42EF-B1MPBC-A2								H32	I32	K32	L32	M32	N32	O32	P32	J32					
42EF-B1MPBC-F4								H49	I49	K49	L49	M49	N49	O49	P49	J49					
42EF-B1MPBE-A2								H32	I32	K32	L32	M32	N32	O32	P32	J32					
42EF-B1MPBE-F4								H49	I49	K49	L49	M49	N49	O49	P49	J49					
42EF-B1RCBC-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-B1RCBC-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87
42EF-B1RCBE-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-B1RCBE-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87
42EF-B1SCBC-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-B1SCBC-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87
42EF-B1SCBE-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-B1SCBE-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87
42EF-D1MNAK-A2																	R66	Q66	T66	U66	S66
42EF-D1MNAK-F4																	R88	Q88	T88	U88	S88
42EF-D1MPAK-A2								H32	I32	K32	L32	M32	N32	O32	P32	J32					
42EF-D1MPAK-F4								H49	I49	K49	L49	M49	N49	O49	P49	J49					
42EF-D1RCAK-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-D1RCAK-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87
42EF-D1SCAK-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-D1SCAK-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output									NPN Sink Output				
42EF-E1EZB-A2																	R71	Q71	T71	U71	S71
42EF-E1EZB-F4																	R70	Q70	T70	U70	S70
42EF-E1QZB-A2	B18	A18	C18	F18	E18	D18	G18										R71	Q71	T71	U71	S71
42EF-E1QZB-G4	B17	A17	C17	F17	E17	D17	G17										R73	Q73	T73	U73	S73
42EF-G1MNA-A2																	R66	Q66	T66	U66	S66
42EF-G1MNA-F4																	R88	Q88	T88	U88	S88
42EF-G1MPA-A2								H32	I32	K32	L32	M32	N32	O32	P32	J32					
42EF-G1MPA-F4								H49	I49	K49	L49	M49	N49	O49	P49	J49					
42EF-G1RCA-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-G1RCA-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87
42EF-G1SCA-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-G1SCA-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87
42EF-P2MNB-A2																	R66	Q66	T66	U66	S66
42EF-P2MNB-F4																	R88	Q88	T88	U88	S88
42EF-P2MPB-A2								H32	I32	K32	L32	M32	N32	O32	P32	J32					
42EF-P2MPB-F4								H49	I49	K49	L49	M49	N49	O49	P49	J49					
42EF-P2RCB-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-P2RCB-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87
42EF-P2SCB-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-P2SCB-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87
42EF-R9MNB-A2																	R66	Q66	T66	U66	S66
42EF-R9MNB-F4																	R88	Q88	T88	U88	S88
42EF-R9MPB-A2								H32	I32	K32	L32	M32	N32	O32	P32	J32					
42EF-R9MPB-F4								H49	I49	K49	L49	M49	N49	O49	P49	J49					
42EF-R9RCB-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-R9RCB-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87
42EF-R9SCB-A2	B10	A10	C10	F10	E10	D10	G10										R63	Q64	T64	U63	S63
42EF-R9SCB-G4	B11	A11	C11	F11	E11	D11	G11										R87	Q87	T87	U87	S87
42FA-F2LNA-A2																	R54	Q54	T54	U54	S54
42FA-F2LNA-P3																	R75	Q75	T75	U75	S75
42FA-F2LPA-A2								H21	I21	K21	L21	M21	N21	O21	P21	J21					
42FA-F2LPA-P3								H35	I35	K35	L35	M35	N35	O35	P35	J35					
42FB-F2LNA-A2																	R53	Q53	T53	U53	S53
42FB-F2LNAQ-A2																	R53	Q53	T53	U53	S53
42FB-F2LPA-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42FB-F2LPAQ-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output									NPN Sink Output				
42FT-F2LNA-A2																	R52	Q52	T52	U52	S52
42FT-F2LPA-A2								H19	I19	K19	L19	M19	N19	O19	P19	J19					
42FT-F3LNA-A2																	R52	Q52	T52	U52	S52
42FT-F3LPA-A2								H19	I19	K19	L19	M19	N19	O19	P19	J19					
42GDP-9000								H27	I27	K27	L27	M27	N27	O27	P27	J27	R60	Q60	T60	U60	S60
42GDP-9000-QD								H41	I41	K41	L41	M41	N41	O41	P41	J41	R81	Q81	T81	U81	S81
42GDP-9000-QD1								H42	I42	K42	L42	M42	N42	O42	P42	J42	R82	Q82	T82	U82	S82
42GDP-9004	B2	A2	C2	F2	E2		G2														
42GDP-9004-QD	B4	A4	C4	F4	E4		G4														
42GDP-9005	B3	A3	C3	F3	E3		G3														
42GDP-9005-QD	B4	A4	C4	F4	E4		G4														
42GDR-9000								H27	I27	K27	L27	M27	N27	O27	P27	J27	R60	Q60	T60	U60	S60
42GDR-9000-QD								H41	I41	K41	L41	M41	N41	O41	P41	J41	R81	Q81	T81	U81	S81
42GDR-9000-QD1								H42	I42	K42	L42	M42	N42	O42	P42	J42	R82	Q82	T82	U82	S82
42GDR-9004	B2	A2	C2	F2	E2		G2														
42GDR-9004-QD	B4	A4	C4	F4	E4		G4														
42GDR-9005	B3	A3	C3	F3	E3		G3														
42GDR-9005-QD	B4	A4	C4	F4	E4		G4														
42GDU-9000								H27	I27	K27	L27	M27	N27	O27	P27	J27	R60	Q60	T60	U60	S60
42GDU-9000-QD								H41	I41	K41	L41	M41	N41	O41	P41	J41	R81	Q81	T81	U81	S81
42GDU-9000-QD1								H42	I42	K42	L42	M42	N42	O42	P42	J42	R82	Q82	T82	U82	S82
42GDU-9004	B2	A2	C2	F2	E2		G2														
42GDU-9004-QD	B4	A4	C4	F4	E4		G4														
42GDU-9005	B3	A3	C3	F3	E3		G3														
42GDU-9005-QD	B4	A4	C4	F4	E4		G4														
42GDU-9200								H27	I27	K27	L27	M27	N27	O27	P27	J27	R60	Q60	T60	U60	S60
42GDU-9200-QD								H41	I41	K41	L41	M41	N41	O41	P41	J41	R81	Q81	T81	U81	S81
42GDU-9200-QD1								H42	I42	K42	L42	M42	N42	O42	P42	J42	R82	Q82	T82	U82	S82
42GDU-9204	B2	A2	C2	F2	E2		G2														
42GDU-9204-QD	B4	A4	C4	F4	E4		G4														
42GDU-9205	B3	A3	C3	F3	E3		G3														
42GDU-9205-QD	B4	A4	C4	F4	E4		G4														
42GRC-9200								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42GRC-9200-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42GRC-9200-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84
42GRC-9202	B5	A5	C5	F5	E5		G5														

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																					
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix	
Sensor Type	AC Output							PNP Source Output									NPN Sink Output					
42GRC-9202-QD	B8	A8	C8	F8	E8		G8															
42GRC-9203	B6	A6	C6	F6	E6		G6															
42GRC-9203-QD	B9	A9	C9	F9	E9		G9															
42GRC-9203-QD1	B7	A7	C7	F7	E7		G7															
42GRF-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62	
42GRF-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83	
42GRF-9001						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61	
42GRF-9001-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85	
42GRF-9002	B5	A5	C5	F5	E5		G5															
42GRF-9002-QD	B8	A8	C8	F8	E8		G8															
42GRF-9003	B6	A6	C6	F6	E6		G6															
42GRF-9003-QD	B9	A9	C9	F9	E9		G9															
42GRF-9003-QD1	B7	A7	C7	F7	E7		G7															
42GRF-9003H	B6	A6	C6	F6	E6		G6															
42GRF-9100								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62	
42GRF-9100-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83	
42GRF-9101						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61	
42GRF-9101-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85	
42GRF-9102	B5	A5	C5	F5	E5		G5															
42GRF-9102-QD	B8	A8	C8	F8	E8		G8															
42GRF-9103	B6	A6	C6	F6	E6		G6															
42GRF-9103-QD	B9	A9	C9	F9	E9		G9															
42GRF-9103-QD1	B7	A7	C7	F7	E7		G7															
42GRF-9103H	B6	A6	C6	F6	E6		G6															
42GRL-9000	B14	A14	C14	F14	E14	D14	G14										R71	Q71	T71	U71	S71	
42GRL-9000-QD	B15	A15	C15	F15	E15	D15	G15										R70	Q70	T70	U70	S70	
42GRL-9000H	B14	A14	C14	F14	E14	D14	G14										R71	Q71	T71	U71	S71	
42GRL-9002-QD	B16	A16	C16	F16	E16	D16	G16										R72	Q72	T72	U72	S72	
42GRL-9040	B14	A14	C14	F14	E14	D14	G14										R71	Q71	T71	U71	S71	
42GRL-9040-QD	B15	A15	C15	F15	E15	D15	G15										R70	Q70	T70	U70	S70	
42GRL-9042-QD	B16	A16	C16	F16	E16	D16	G16										R72	Q72	T72	U72	S72	
42GRP-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62	
42GRP-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83	
42GRP-9000-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84	
42GRP-9001						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61	
42GRP-9001-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85	

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output									NPN Sink Output				
42GRP-9002	B5	A5	C5	F5	E5		G5														
42GRP-9002-QD	B8	A8	C8	F8	E8		G8														
42GRP-9003	B6	A6	C6	F6	E6		G6														
42GRP-9003-QD	B9	A9	C9	F9	E9		G9														
42GRP-9003-QD1	B7	A7	C7	F7	E7		G7														
42GRP-9003H	B6	A6	C6	F6	E6		G6														
42GRP-9040								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42GRP-9040-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42GRP-9040-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84
42GRP-9041						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61
42GRP-9041-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85
42GRP-9042	B5	A5	C5	F5	E5		G5														
42GRP-9042-QD	B8	A8	C8	F8	E8		G8														
42GRP-9043	B6	A6	C6	F6	E6		G6														
42GRP-9043-QD	B9	A9	C9	F9	E9		G9														
42GRP-9043-QD1	B7	A7	C7	F7	E7		G7														
42GRP-9043H	B6	A6	C6	F6	E6		G6														
42GRP-9062	B5	A5	C5	F5	E5		G5														
42GRP-9062-QD	B8	A8	C8	F8	E8		G8														
42GRR-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42GRR-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42GRR-9000-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84
42GRR-9001						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61
42GRR-9001-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85
42GRR-9002	B5	A5	C5	F5	E5		G5														
42GRR-9002-QD	B8	A8	C8	F8	E8		G8														
42GRR-9003	B6	A6	C6	F6	E6		G6														
42GRR-9003-QD	B9	A9	C9	F9	E9		G9														
42GRR-9003-QD1	B7	A7	C7	F7	E7		G7														
42GRR-9003H	B6	A6	C6	F6	E6		G6														
42GRU-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42GRU-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42GRU-9000-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84
42GRU-9001						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61
42GRU-9001-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85
42GRU-9002	B5	A5	C5	F5	E5		G5														

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																					
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix	
Sensor Type	AC Output							PNP Source Output									NPN Sink Output					
42GRU-9002-QD	B8	A8	C8	F8	E8		G8															
42GRU-9003	B6	A6	C6	F6	E6		G6															
42GRU-9003-QD	B9	A9	C9	F9	E9		G9															
42GRU-9003-QD1	B7	A7	C7	F7	E7		G7															
42GRU-9003H	B6	A6	C6	F6	E6		G6															
42GRU-9200								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62	
42GRU-9200-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83	
42GRU-9200-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84	
42GRU-9201						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61	
42GRU-9201-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85	
42GRU-9202	B5	A5	C5	F5	E5		G5															
42GRU-9202-QD	B8	A8	C8	F8	E8		G8															
42GRU-9203	B6	A6	C6	F6	E6		G6															
42GRU-9203-QD	B9	A9	C9	F9	E9		G9															
42GRU-9203-QD1	B7	A7	C7	F7	E7		G7															
42GRU-9203H	B6	A6	C6	F6	E6		G6															
42GRXC-10200-02																	R59	Q59	T59	U59	S59	
42GRXC-10200-Q1																	R80	Q80	T80	U80	S80	
42GRXC-10200-QD																	R79	Q79	T79	U79	S79	
42GRXC-10210-02								H26	I26	K26	L26	M26	N26	O26	P26	J26						
42GRXC-10210-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40						
42GRXC-10210-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39						
42GRXF-10000-02																	R59	Q59	T59	U59	S59	
42GRXF-10000-QD																	R79	Q79	T79	U79	S79	
42GRXF-10000-Q1																	R80	Q80	T80	U80	S80	
42GRXF-10010-02								H26	I26	K26	L26	M26	N26	O26	P26	J26						
42GRXF-10010-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39						
42GRXF-10010-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40						
42GRXF-10100-02																	R59	Q59	T59	U59	S59	
42GRXF-10100-QD																	R79	Q79	T79	U79	S79	
42GRXF-10100-Q1																	R80	Q80	T80	U80	S80	
42GRXF-10110-02								H26	I26	K26	L26	M26	N26	O26	P26	J26						
42GRXF-10110-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39						
42GRXF-10110-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40						
42GRXF-10300-02																	R59	Q59	T59	U59	S59	
42GRXF-10300-QD																	R79	Q79	T79	U79	S79	

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output								NPN Sink Output					
42GRXF-10300-Q1																	R80	Q80	T80	U80	S80
42GRXF-10310-02								H26	I26	K26	L26	M26	N26	O26	P26	J26					
42GRXF-10310-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39					
42GRXF-10310-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40					
42GRXP-10000-02																	R59	Q59	T59	U59	S59
42GRXP-10000-QD																	R79	Q79	T79	U79	S79
42GRXP-10000-Q1																	R80	Q80	T80	U80	S80
42GRXP-10010-02								H26	I26	K26	L26	M26	N26	O26	P26	J26					
42GRXP-10010-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39					
42GRXP-10010-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40					
42GRXU-10000-02																	R59	Q59	T59	U59	S59
42GRXU-10000-QD																	R79	Q79	T79	U79	S79
42GRXU-10000-Q1																	R80	Q80	T80	U80	S80
42GRXU-10010-02								H26	I26	K26	L26	M26	N26	O26	P26	J26					
42GRXU-10010-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39					
42GRXU-10010-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40					
42GRXU-10200-02																	R59	Q59	T59	U59	S59
42GRXU-10200-QD																	R79	Q79	T79	U79	S79
42GRXU-10200-Q1																	R80	Q80	T80	U80	S80
42GRXU-10210-02								H26	I26	K26	L26	M26	N26	O26	P26	J26					
42GRXU-10210-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39					
42GRXU-10210-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40					
42GTC-9200								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42GTC-9200-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42GTC-9200-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84
42GTC-9202	B5	A5	C5	F5	E5		G5														
42GTC-9202-QD	B8	A8	C8	F8	E8		G8														
42GTC-9203	B6	A6	C6	F6	E6		G6														
42GTC-9203-QD	B9	A9	C9	F9	E9		G9														
42GTC-9203-QD1	B7	A7	C7	F7	E7		G7														
42GTF-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42GTF-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42GTF-9001						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61
42GTF-9001-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85
42GTF-9002	B5	A5	C5	F5	E5		G5														
42GTF-9002-QD	B8	A8	C8	F8	E8		G8														

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output									NPN Sink Output				
42GTF-9003	B6	A6	C6	F6	E6		G6														
42GTF-9003-QD	B9	A9	C9	F9	E9		G9														
42GTF-9003-QD1	B7	A7	C7	F7	E7		G7														
42GTF-9003H	B6	A6	C6	F6	E6		G6														
42GTF-9100								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42GTF-9100-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42GTF-9101						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61
42GTF-9101-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85
42GTF-9102	B5	A5	C5	F5	E5		G5														
42GTF-9102-QD	B8	A8	C8	F8	E8		G8														
42GTF-9103	B6	A6	C6	F6	E6		G6														
42GTF-9103-QD	B9	A9	C9	F9	E9		G9														
42GTF-9103-QD1	B7	A7	C7	F7	E7		G7														
42GTGC-10200-02																	R59	Q59	T59	U59	S59
42GTGC-10200-Q1																	R80	Q80	T80	U80	S80
42GTGC-10200-QD																	R79	Q79	T79	U79	S79
42GTGC-10210-02								H26	I26	K26	L26	M26	N26	O26	P26	J26					
42GTGC-10210-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40					
42GTGC-10210-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39					
42GTGF-10000-02																	R59	Q59	T59	U59	S59
42GTGF-10000-QD																	R79	Q79	T79	U79	S79
42GTGF-10000-Q1																	R80	Q80	T80	U80	S80
42GTGF-10010-02								H26	I26	K26	L26	M26	N26	O26	P26	J26					
42GTGF-10010-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39					
42GTGF-10010-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40					
42GTGF-10100-02																	R59	Q59	T59	U59	S59
42GTGF-10100-QD																	R79	Q79	T79	U79	S79
42GTGF-10100-Q1																	R80	Q80	T80	U80	S80
42GTGF-10110-02								H26	I26	K26	L26	M26	N26	O26	P26	J26					
42GTGF-10110-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39					
42GTGF-10110-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40					
42GTGF-10300-02																	R59	Q59	T59	U59	S59
42GTGF-10300-QD																	R79	Q79	T79	U79	S79
42GTGF-10300-Q1																	R80	Q80	T80	U80	S80
42GTGF-10310-02								H26	I26	K26	L26	M26	N26	O26	P26	J26					
42GTGF-10310-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39					

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output								NPN Sink Output					
42GTGF-10310-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40					
42GTGP-10000-02																	R59	Q59	T59	U59	S59
42GTGP-10000-QD																	R79	Q79	T79	U79	S79
42GTGP-10000-Q1																	R80	Q80	T80	U80	S80
42GTGP-10010-02								H26	I26	K26	L26	M26	N26	O26	P26	J26					
42GTGP-10010-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39					
42GTGP-10010-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40					
42GTGU-10000-02																	R59	Q59	T59	U59	S59
42GTGU-10000-QD																	R79	Q79	T79	U79	S79
42GTGU-10000-Q1																	R80	Q80	T80	U80	S80
42GTGU-10010-02								H26	I26	K26	L26	M26	N26	O26	P26	J26					
42GTGU-10010-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39					
42GTGU-10010-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40					
42GTGU-10200-02																	R59	Q59	T59	U59	S59
42GTGU-10200-QD																	R79	Q79	T79	U79	S79
42GTGU-10200-Q1																	R80	Q80	T80	U80	S80
42GTGU-10210-02								H26	I26	K26	L26	M26	N26	O26	P26	J26					
42GTGU-10210-QD								H39	I39	K39	L39	M39	N39	O39	P39	J39					
42GTGU-10210-Q1								H40	I40	K40	L40	M40	N40	O40	P40	J40					
42GTP-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42GTP-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42GTP-9000-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84
42GTP-9001						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61
42GTP-9001-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85
42GTP-9002	B5	A5	C5	F5	E5		G5														
42GTP-9002-QD	B8	A8	C8	F8	E8		G8														
42GTP-9003	B6	A6	C6	F6	E6		G6														
42GTP-9003-QD	B9	A9	C9	F9	E9		G9														
42GTP-9003-QD1	B7	A7	C7	F7	E7		G7														
42GTP-9003H	B6	A6	C6	F6	E6		G6														
42GTP-9040								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42GTP-9040-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42GTP-9040-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84
42GTP-9041						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61
42GTP-9041-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85
42GTP-9042	B5	A5	C5	F5	E5		G5														

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																					
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix	
Sensor Type	AC Output							PNP Source Output									NPN Sink Output					
42GTP-9042-QD	B8	A8	C8	F8	E8		G8															
42GTP-9043	B6	A6	C6	F6	E6		G6															
42GTP-9043-QD	B9	A9	C9	F9	E9		G9															
42GTP-9043-QD1	B7	A7	C7	F7	E7		G7															
42GTR-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62	
42GTR-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83	
42GTR-9000-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84	
42GTR-9002	B5	A5	C5	F5	E5		G5															
42GTR-9002-QD	B8	A8	C8	F8	E8		G8															
42GTU-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62	
42GTU-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83	
42GTU-9000-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84	
42GTU-9001						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61	
42GTU-9001-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85	
42GTU-9002	B5	A5	C5	F5	E5		G5															
42GTU-9002-QD	B8	A8	C8	F8	E8		G8															
42GTU-9003	B6	A6	C6	F6	E6		G6															
42GTU-9003-QD	B9	A9	C9	F9	E9		G9															
42GTU-9003-QD1	B7	A7	C7	F7	E7		G7															
42GTU-9003H	B6	A6	C6	F6	E6		G6															
42GTU-9200								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62	
42GTU-9200-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83	
42GTU-9200-QD1								H46	I46	K46	L46	M46	N46	O46	P46	J46	R84	Q84	T84	U84	S84	
42GTU-9201						D5		H30	I30	K30	L30	M30	N30	O30	P30	J30	R61	Q61	T61	U61	S61	
42GTU-9201-QD						D8		H47	I47	K47	L47	M47	N47	O47	P47	J47	R85	Q85	T85	U85	S85	
42GTU-9202	B5	A5	C5	F5	E5		G5															
42GTU-9202-QD	B8	A8	C8	F8	E8		G8															
42GTU-9203	B6	A6	C6	F6	E6		G6															
42GTU-9203-QD	B9	A9	C9	F9	E9		G9															
42GTU-9203-QD1	B7	A7	C7	F7	E7		G7															
42GTU-9203H	B6	A6	C6	F6	E6		G6															
42KA-D2JNFA-A2																	R53	Q53	T53	U53	S53	
42KA-D2JNFC-A2																	R53	Q53	T53	U53	S53	
42KA-D2JNHA-A2																	R53	Q53	T53	U53	S53	
42KA-D2JNHC-A2																	R53	Q53	T53	U53	S53	
42KA-D2JPFC-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20						

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output								NPN Sink Output					
42KA-D2JPHA-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KA-D2JPHC-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KA-E2KNFK-A2																	R71	Q71	T71	U71	S71
42KA-E2KNHK-A2																	R71	Q71	T71	U71	S71
42KA-E2KNTK-A2																	R71	Q71	T71	U71	S71
42KA-E2KPFK-A2																	R71	Q71	T71	U71	S71
42KA-E2KPHK-A2																	R71	Q71	T71	U71	S71
42KA-E2KPSK-A2																	R71	Q71	T71	U71	S71
42KA-E2KPTK-A2																	R71	Q71	T71	U71	S71
42KA-R2KNFK-A2																	R53	Q53	T53	U53	S53
42KA-R2KNHK-A2																	R53	Q53	T53	U53	S53
42KA-R2KNTK-A2																	R53	Q53	T53	U53	S53
42KA-R2KPFK-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KA-R2KPHK-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KA-R2KPSK-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KA-R2KPTK-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KA-S2JNSA-A2																	R53	Q53	T53	U53	S53
42KA-S2JPSA-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-D1LNED-A2																	R56	Q56	T56	U56	S56
42KB-D1LNEG-A2																	R56	Q56	T56	U56	S56
42KB-D1LNSD-A2																	R56	Q56	T56	U56	S56
42KB-D1LNSH-A2																	R56	Q56	T56	U56	S56
42KB-D1LPED-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-D1LPEG-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-D1LPSD-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-D1LPSH-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-D2LNEH-A2																	R56	Q56	T56	U56	S56
42KB-D2LNSG-A2																	R56	Q56	T56	U56	S56
42KB-D2LPEH-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-D2LPSG-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-E1LNEL-A2																	R71	Q71	T71	U71	S71
42KB-E1LNEQ-A2																	R71	Q71	T71	U71	S71
42KB-E1LNSL-A2																	R71	Q71	T71	U71	S71
42KB-E1LNSQ-A2																	R71	Q71	T71	U71	S71
42KB-E1LPEL-A2																	R71	Q71	T71	U71	S71
42KB-E1LPEQ-A2																	R71	Q71	T71	U71	S71

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output								NPN Sink Output					
42KB-E1LPSL-A2																	R71	Q71	T71	U71	S71
42KB-E1LPSQ-A2																	R71	Q71	T71	U71	S71
42KB-E2LNSR-A2																	R71	Q71	T71	U71	S71
42KB-E2LPSR-A2																	R71	Q71	T71	U71	S71
42KB-R1LNEL-A2																	R56	Q56	T56	U56	S56
42KB-R1LNEQ-A2																	R56	Q56	T56	U56	S56
42KB-R1LNSL-A2																	R56	Q56	T56	U56	S56
42KB-R1LNSQ-A2																	R56	Q56	T56	U56	S56
42KB-R1LPEL-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-R1LPEQ-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-R1LPSL-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-R1LPSQ-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-R2LNSR-A2																	R56	Q56	T56	U56	S56
42KB-R2LPSR-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-S1LNSB-A2																	R56	Q56	T56	U56	S56
42KB-S1LPSB-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-S2LNSA-A2																	R56	Q56	T56	U56	S56
42KB-S2LPSA-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KB-U2LNSN-A2																	R56	Q56	T56	U56	S56
42KB-U2LPSN-A2								H20	I20	K20	L20	M20	N20	O20	P20	J20					
42KC-D2LNEK-A2																	R56	Q56	T56	U56	S56
42KC-D2LNEK-P4																	R78	Q78	T78	U78	S78
42KC-D2LNSK-A2																	R56	Q56	T56	U56	S56
42KC-D2LNSK-P4																	R78	Q78	T78	U78	S78
42KC-D2LPEK-A2								H23	I23	K23	L23	M23	N23	O23	P23	J23					
42KC-D2LPEK-P4								H38	I38	K38	L38	M38	N38	O38	P38	J38					
42KC-D2LPSK-A2								H23	I23	K23	L23	M23	N23	O23	P23	J23					
42KC-D2LPSK-P4								H38	I38	K38	L38	M38	N38	O38	P38	J38					
42KC-E2LNGP-A2																	R71	Q71	T71	U71	S71
42KC-E2LNGP-P4																	R70	Q70	T70	U70	S70
42KC-E2LNTP-A2																	R71	Q71	T71	U71	S71
42KC-E2LNTP-P4																	R70	Q70	T70	U70	S70
42KC-E2LPGP-A2																	R71	Q71	T71	U71	S71
42KC-E2LPGP-P4																	R70	Q70	T70	U70	S70
42KC-E2LPTP-A2																	R71	Q71	T71	U71	S71
42KC-E2LPTP-P4																	R70	Q70	T70	U70	S70

Wiring Diagram Index

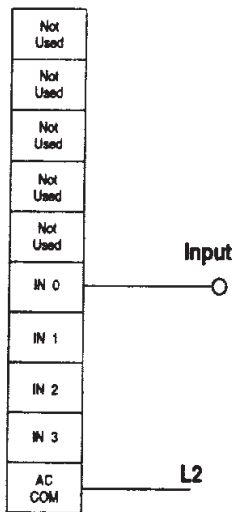
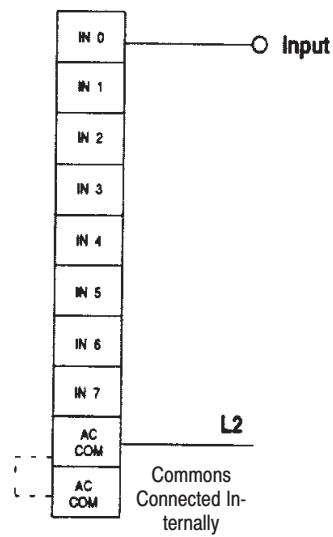
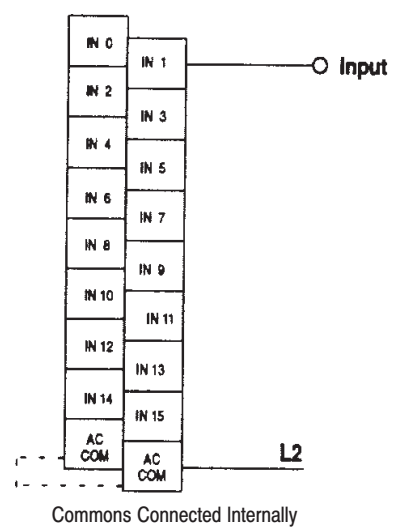
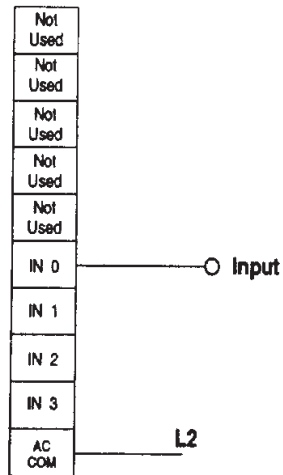
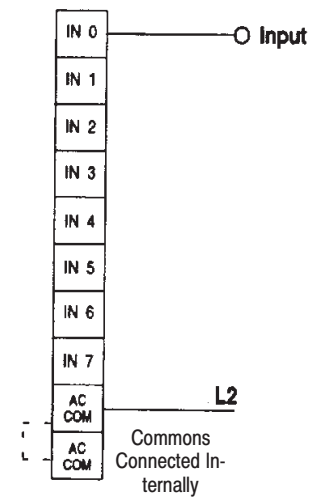
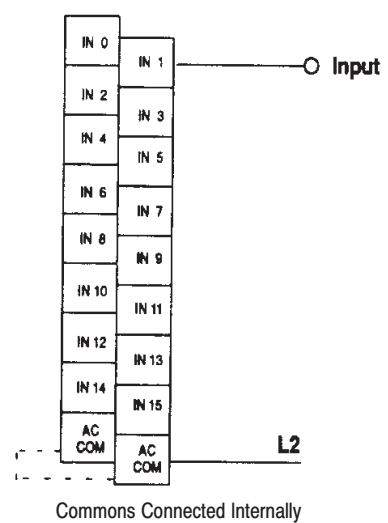
	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output								NPN Sink Output					
42KC-P2LNEM-A2																	R56	Q56	T56	U56	S56
42KC-P2LNEM-P4																	R78	Q78	T78	U78	S78
42KC-P2LNSM-A2																	R56	Q56	T56	U56	S56
42KC-P2LNSM-P4																	R78	Q78	T78	U78	S78
42KC-P2LPEM-A2								H23	I23	K23	L23	M23	N23	O23	P23	J23					
42KC-P2LPEM-P4								H38	I38	K38	L38	M38	N38	O38	P38	J38					
42KC-P2LPSM-A2								H23	I23	K23	L23	M23	N23	O23	P23	J23					
42KC-P2LPSM-P4								H38	I38	K38	L38	M38	N38	O38	P38	J38					
42KC-R2LNGP-A2																	R56	Q56	T56	U56	S56
42KC-R2LNGP-P4																	R78	Q78	T78	U78	S78
42KC-R2LNTP-A2																	R56	Q56	T56	U56	S56
42KC-R2LNTP-P4																	R78	Q78	T78	U78	S78
42KC-R2LPGP-A2								H23	I23	K23	L23	M23	N23	O23	P23	J23					
42KC-R2LPGP-P4								H38	I38	K38	L38	M38	N38	O38	P38	J38					
42KC-R2LPTP-A2								H23	I23	K23	L23	M23	N23	O23	P23	J23					
42KC-R2LPTP-P4								H38	I38	K38	L38	M38	N38	O38	P38	J38					
42KL-D1LB-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-D1LB-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-D1LBQ-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-D1LBQ-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-D1TC-A2	B12	A12	C12	F12	E12	D12	G12	H33	I33	K33	L33	M33	N33	O33	P33	J33	R67	Q67	T67	U67	S67
42KL-D1TC-G3	B13	A13	C13	F13	E13	D13	G13	H50	I50	K50	L50	M50	N50	O50	P50	J50	R68	Q68	T68	U68	S68
42KL-E1EZB-A2																	R71	Q71	T71	U71	S71
42KL-E1EZB-F4																	R70	Q70	T70	U70	S70
42KL-E1EZBQ-A2																	R71	Q71	T71	U71	S71
42KL-E1EZBQ-F4																	R70	Q70	T70	U70	S70
42KL-E1QZB-A2	B18	A18	C18	F18	E18	D18	G18										R71	Q71	T71	U71	S71
42KL-E1QZB-G3	B89	A89	C89	F89	E89	D89	G89										R74	Q74	T74	U74	S74
42KL-F2LBL-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-F2LBL-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-F2LBLQ-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-F2LBLQ-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-F2LBS-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-F2LBS-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-F2LBSQ-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-F2LBSQ-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69

Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output									NPN Sink Output				
42KL-F2TCL-A2	B12	A12	C12	F12	E12	D12	G12	H33	I33	K33	L33	M33	N33	O33	P33	J33	R67	Q67	T67	U67	S67
42KL-F2TCL-G3	B13	A13	C13	F13	E13	D13	G13	H50	I50	K50	L50	M50	N50	O50	P50	J50	R68	Q68	T68	U68	S68
42KL-F2TCS-A2	B12	A12	C12	F12	E12	D12	G12	H33	I33	K33	L33	M33	N33	O33	P33	J33	R67	Q67	T67	U67	S67
42KL-F2TCS-G3	B13	A13	C13	F13	E13	D13	G13	H50	I50	K50	L50	M50	N50	O50	P50	J50	R68	Q68	T68	U68	S68
42KL-F3LBS-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-F3LBS-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-F3LBSQ-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-F3LBSQ-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-G1LB-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-G1LB-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-G1LBQ-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-G1LBQ-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-G1TC-A2	B12	A12	C12	F12	E12	D12	G12	H33	I33	K33	L33	M33	N33	O33	P33	J33	R67	Q67	T67	U67	S67
42KL-G1TC-G3	B13	A13	C13	F13	E13	D13	G13	H50	I50	K50	L50	M50	N50	O50	P50	J50	R68	Q68	T68	U68	S68
42KL-L2LB-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-L2LB-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-L2LBQ-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-L2LBQ-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-L2TC-A2	B12	A12	C12	F12	E12	D12	G12	H33	I33	K33	L33	M33	N33	O33	P33	J33	R67	Q67	T67	U67	S67
42KL-L2TC-G3	B13	A13	C13	F13	E13	D13	G13	H50	I50	K50	L50	M50	N50	O50	P50	J50	R68	Q68	T68	U68	S68
42KL-P2LB-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-P2LB-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-P2LBQ-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-P2LBQ-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-P2TC-A2	B12	A12	C12	F12	E12	D12	G12	H33	I33	K33	L33	M33	N33	O33	P33	J33	R67	Q67	T67	U67	S67
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42KL-RLB-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
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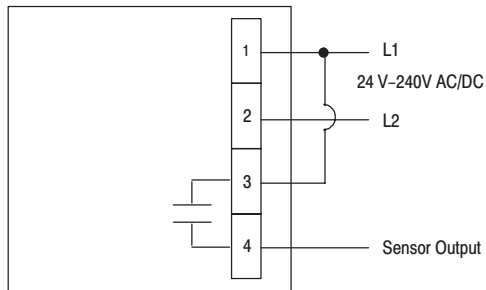
Wiring Diagram Index

	SLC™/Flex™/Block/MicroLogix™ Inputs																				
	1746-IM4,8,16	1746-IA4,8,16	1746-IO4,8,12	1791-16AO/B	1747-L**A,B,R,P	1746-IN16	MicroLogix	1746-IB8,16,32	1746-IN16	1746-ITB16	1747-L**C,D,E	1791-16BO/B	1791-IOBX	1794-IB16	1794-IB8S	MicroLogix	1746-ITV16	1746-IV8,16,32	1747-L**L	1791-IOVW	MicroLogix
Sensor Type	AC Output							PNP Source Output									NPN Sink Output				
42KL-U2TC-A2	B12	A12	C12	F12	E12	D12	G12	H33	I33	K33	L33	M33	N33	O33	P33	J33	R67	Q67	T67	U67	S67
42KL-U2TC-G3	B13	A13	C13	F13	E13	D13	G13	H50	I50	K50	L50	M50	N50	O50	P50	J50	R68	Q68	T68	U68	S68
42KL-W1LB-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-W1LB-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-W1LBQ-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-W1LBQ-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-W1TC-A2	B12	A12	C12	F12	E12	D12	G12	H33	I33	K33	L33	M33	N33	O33	P33	J33	R67	Q67	T67	U67	S67
42KL-W1TC-G3	B13	A13	C13	F13	E13	D13	G13	H50	I50	K50	L50	M50	N50	O50	P50	J50	R68	Q68	T68	U68	S68
42KRF-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42KRF-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42KRF-9002	B5	A5	C5	F5	E5		G5														
42KRF-9002-QD	B8	A8	C8	F8	E8		G8														
42KRL-9000	B14	A14	C14	F14	E14	D14	G14										R71	Q71	T71	U71	S71
42KRL-9000-QD	B15	A15	C15	F15	E15	D15	G15										R70	Q70	T70	U70	S70
42KRL-9002-QD	B16	A16	C16	F16	E16	D16	G16										R72	Q72	T72	U72	S72
42KRP-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42KRP-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42KRP-9002	B5	A5	C5	F5	E5		G5														
42KRP-9002-QD	B8	A8	C8	F8	E8		G8														
42KRR-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42KRR-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42KRR-9002	B5	A5	C5	F5	E5		G5														
42KRR-9002-QD	B8	A8	C8	F8	E8		G8														
42KRU-9000								H29	I29	K29	L29	M29	N29	O29	P29	J29	R62	Q62	T62	U62	S62
42KRU-9000-QD								H37	I37	K37	L37	M37	N37	O37	P37	J37	R83	Q83	T83	U83	S83
42KRU-9002	B5	A5	C5	F5	E5		G5														
42KRU-9002-QD	B8	A8	C8	F8	E8		G8														

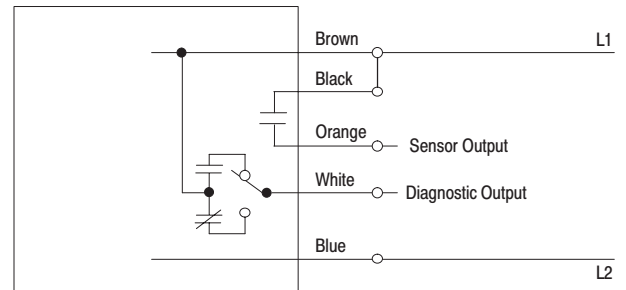
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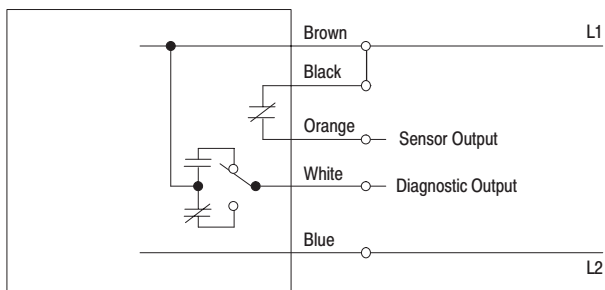
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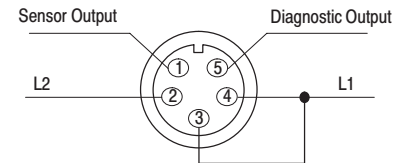
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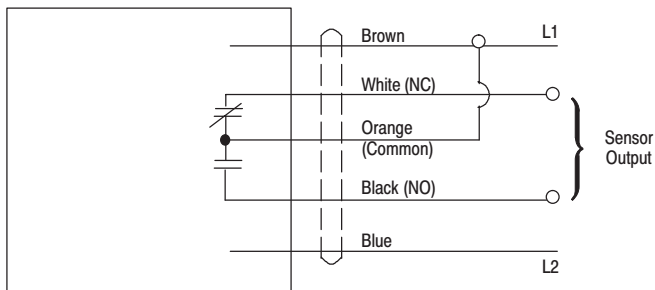
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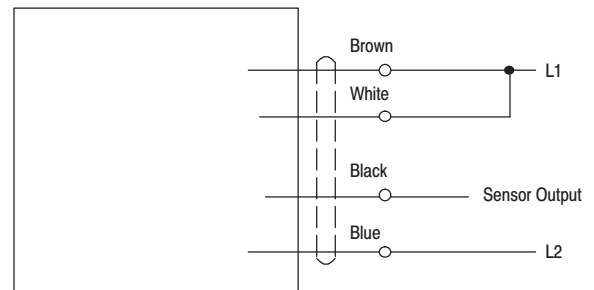
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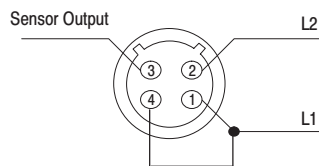
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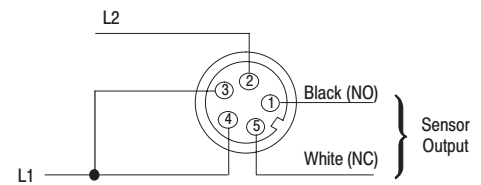
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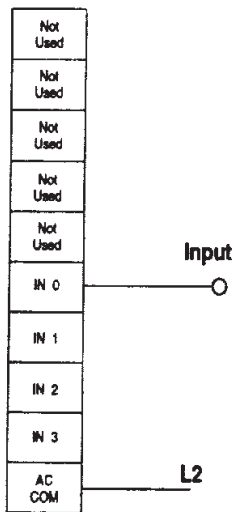
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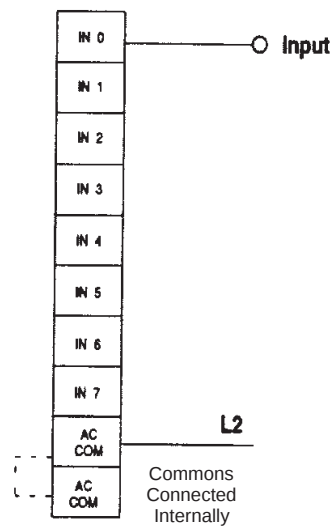
Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

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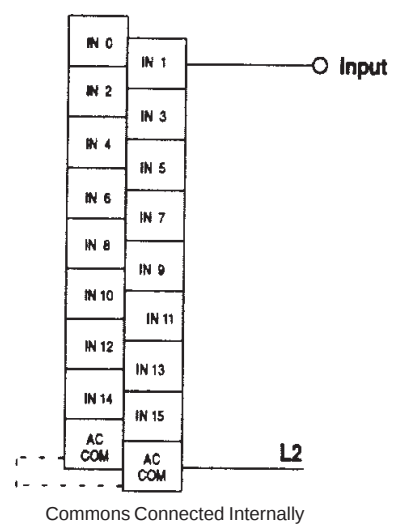
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1746-IA8

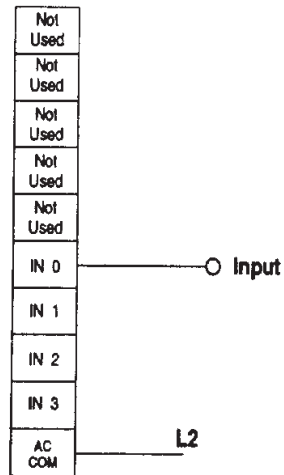


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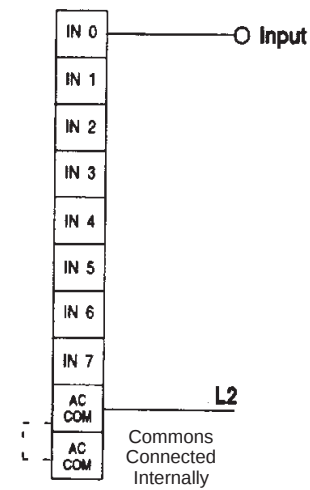


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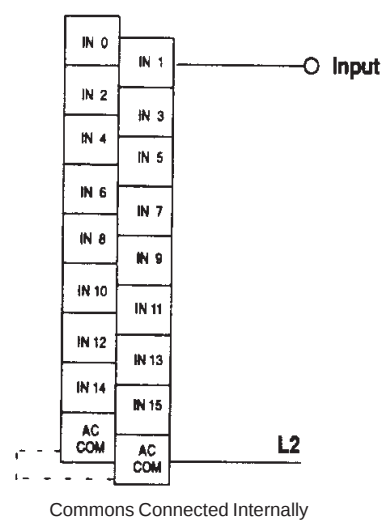
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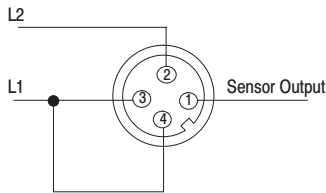


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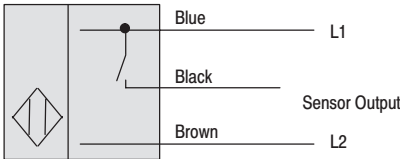


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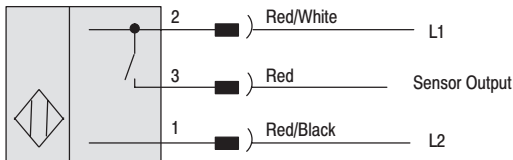
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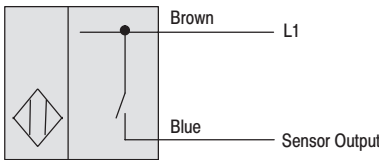
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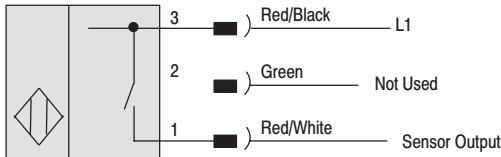
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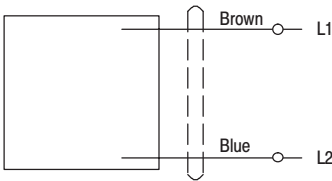
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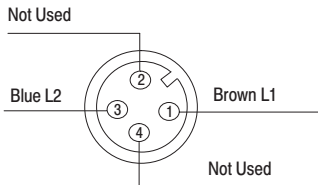
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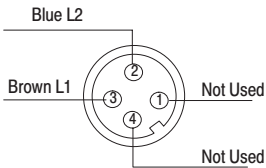
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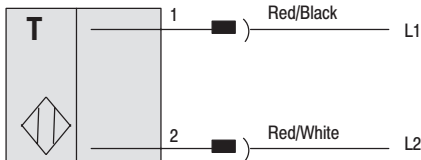
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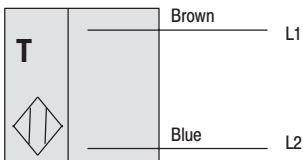
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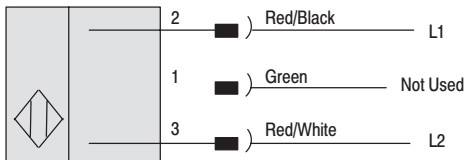


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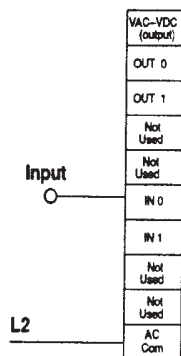
Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

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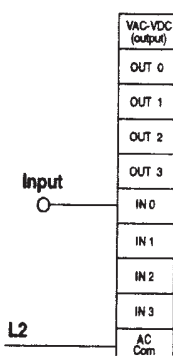


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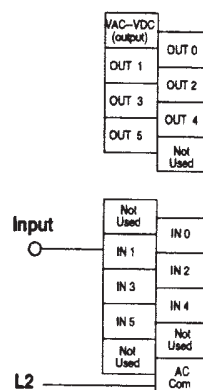
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1746-IO8

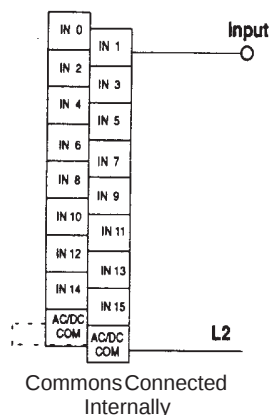


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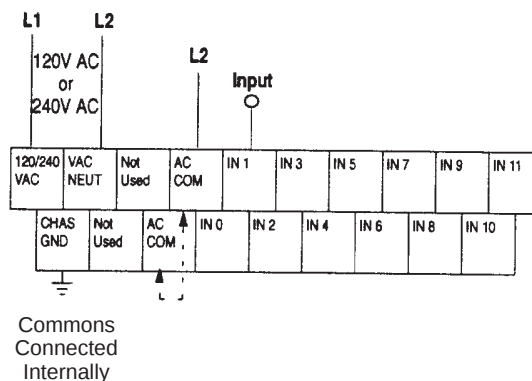
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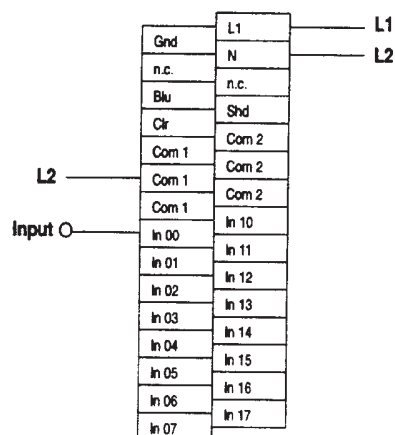
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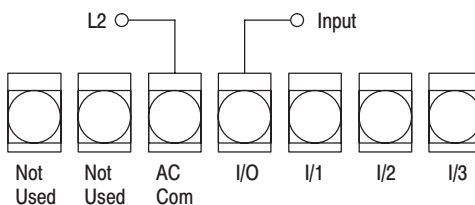
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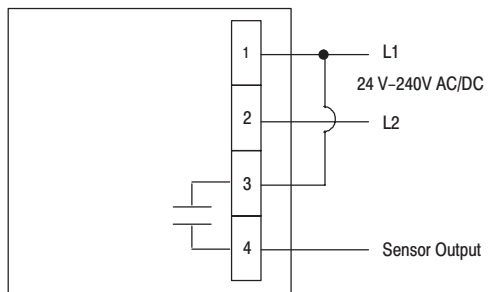
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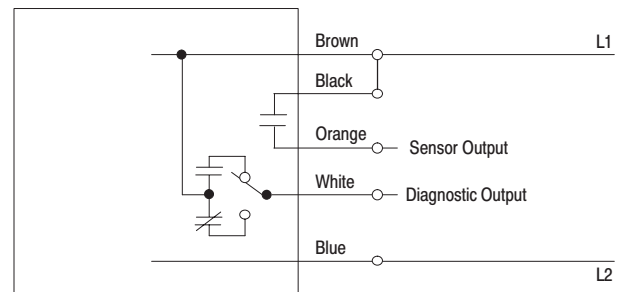


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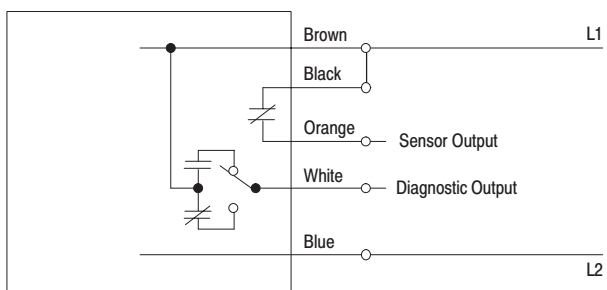
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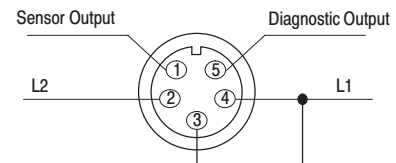
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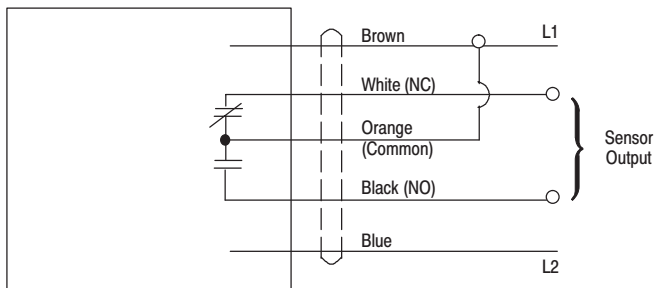
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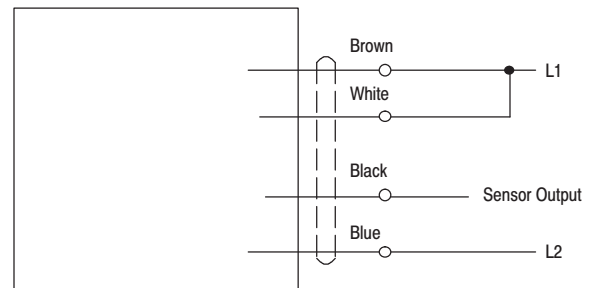
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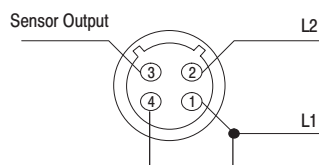
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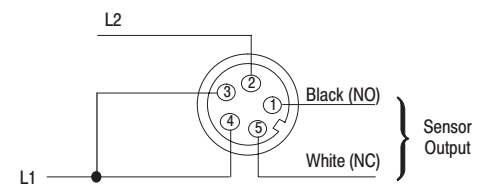
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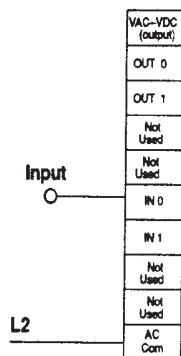
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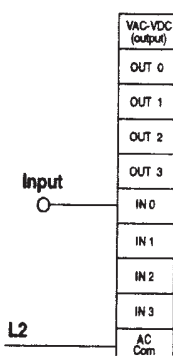
Note: NC = Normally Closed
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D.O. = Dark Operate

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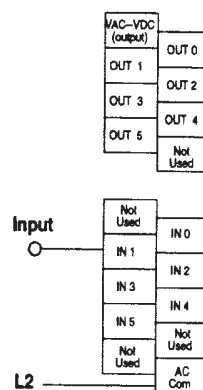
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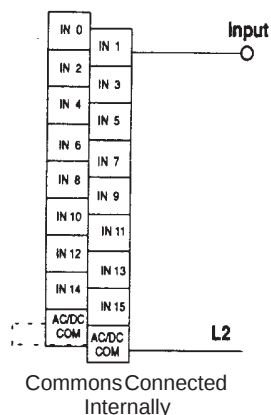


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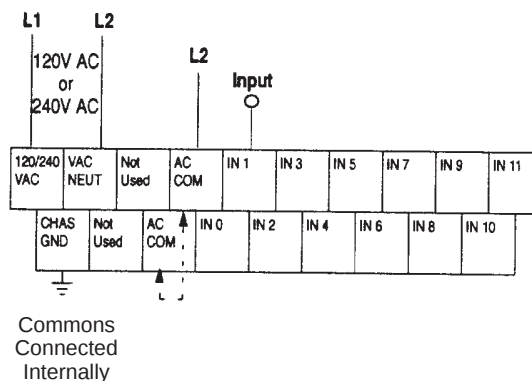
1746-IN16



Commons Connected Internally

E

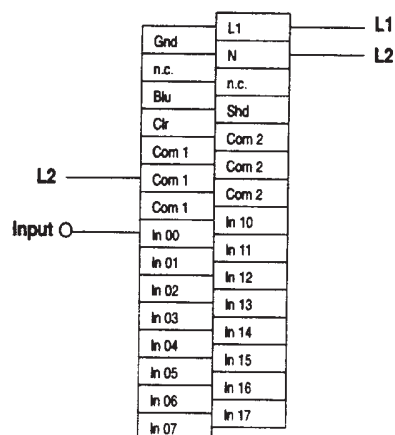
1747-LA,B,R,P**



Commons Connected Internally

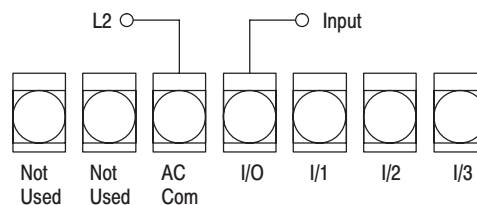
F

1791-16AO/B



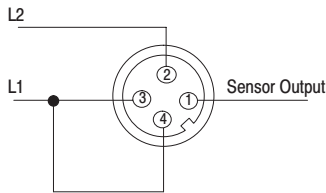
G

**1761-L32AAA
L32AWA
L16AWA**

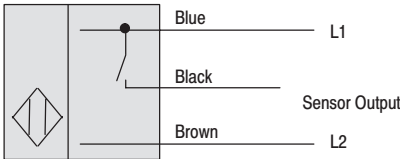


AC

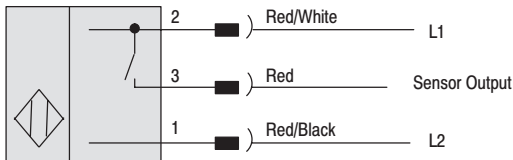
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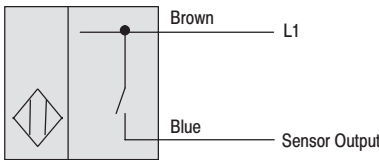
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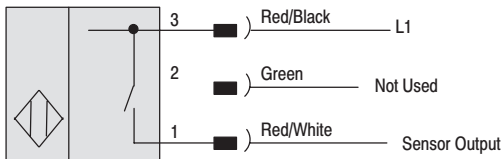
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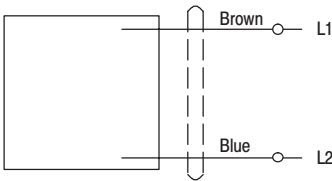
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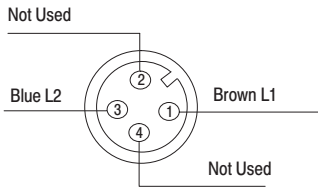
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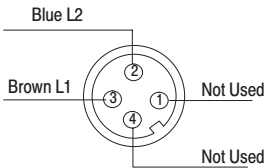
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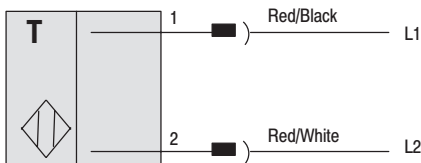
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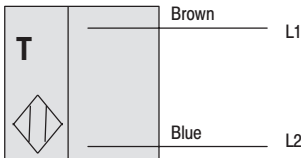
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17

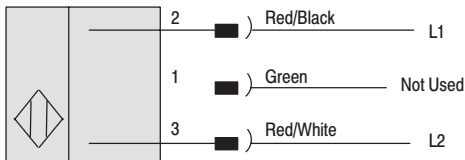


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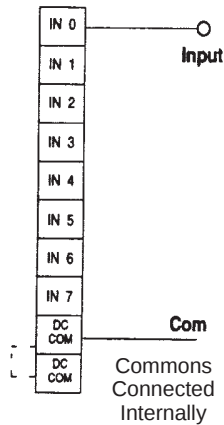


Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

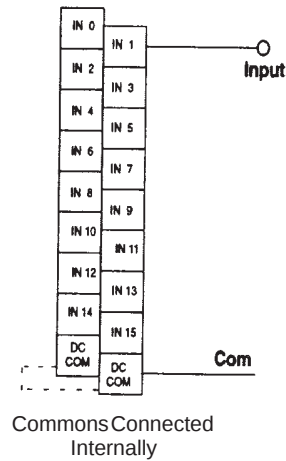
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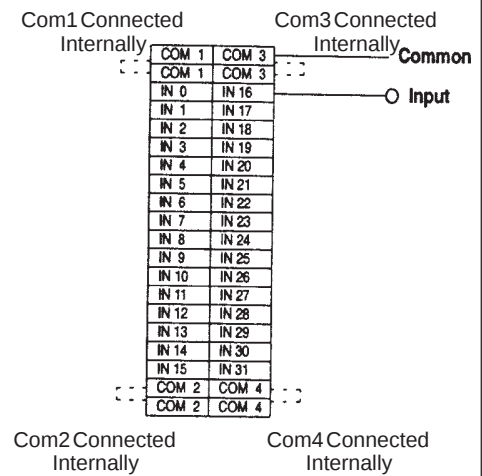
H 1746-IB8



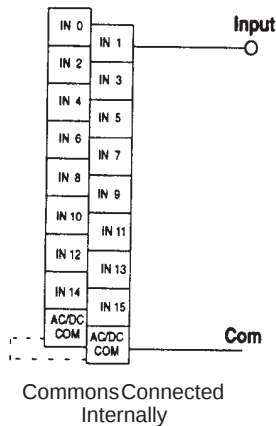
1746-IB16



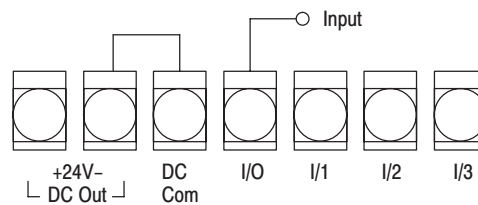
1746-IB32



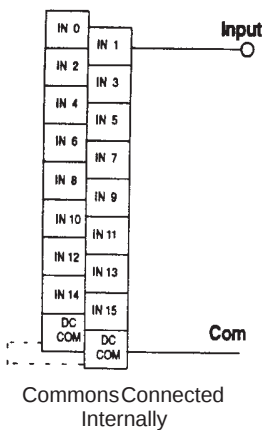
I 1746-IN16



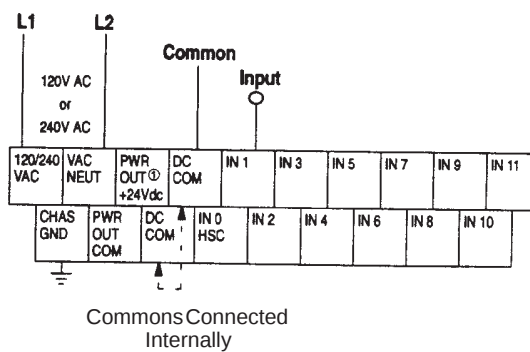
J 1761-L16BWA L32BWA L16BWB 1761-L32BWB L16BBB L32BBB



K 1746-ITB16



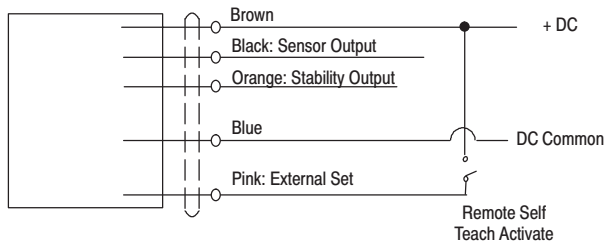
L 1747-L**C,D,E



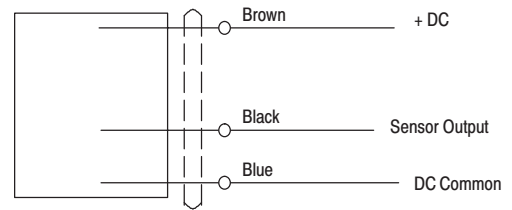
① +24V DC @200mA User Power

PNP

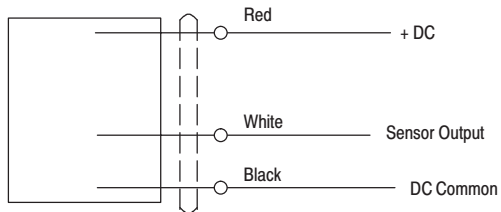
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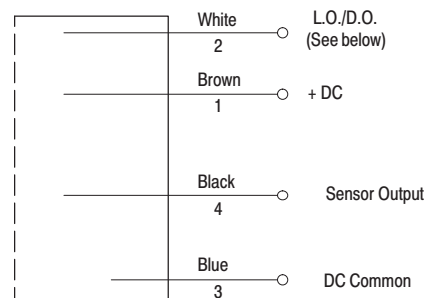
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21

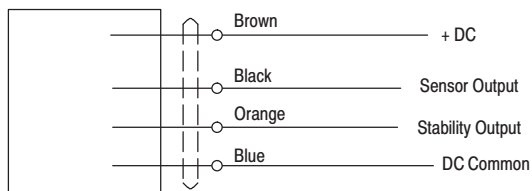


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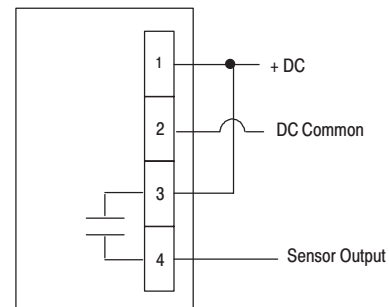


For L.O. connect White to DC Common
For D.O. connect White to +DC

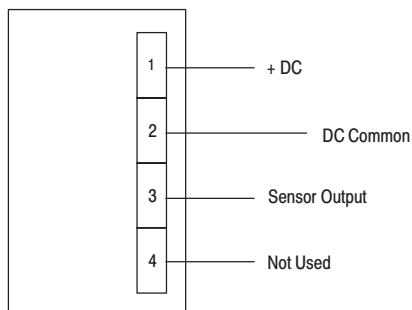
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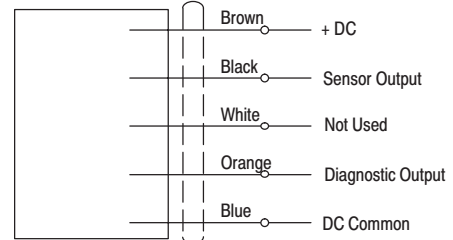
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25

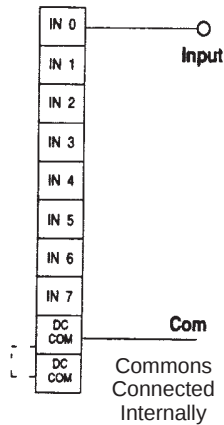


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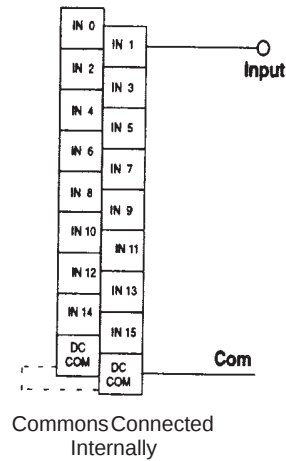


Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

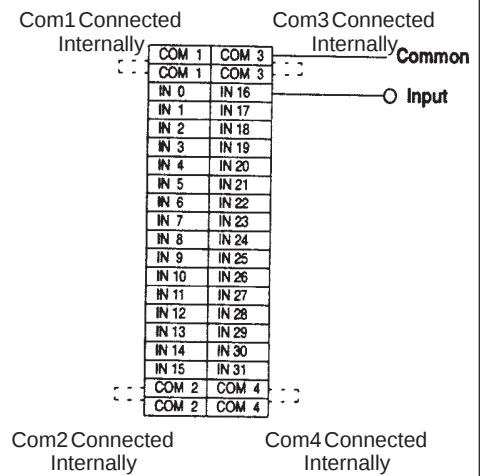
H 1746-IB8



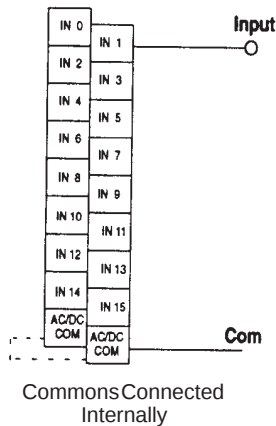
1746-IB16



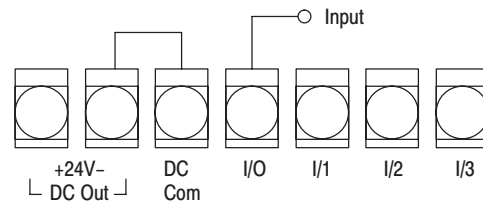
1746-IB32



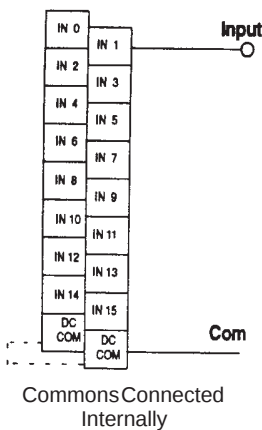
I 1746-IN16



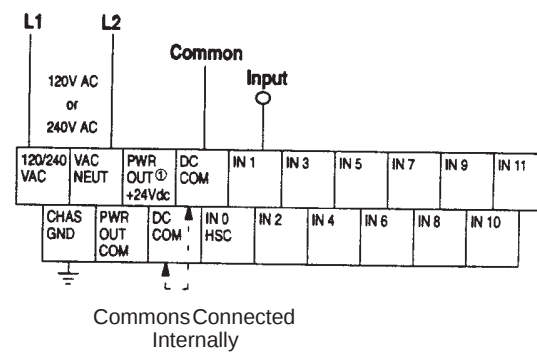
J 1761-L16BWA L32BWA L16BWB 1761-L32BWB L16BBB L32BBB



K 1746-ITB16



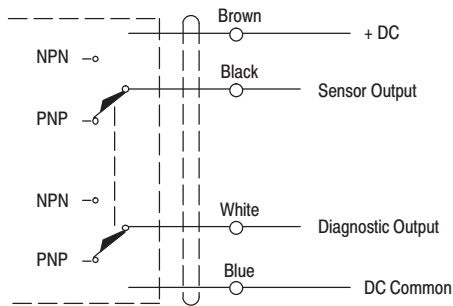
L 1747-L**C,D,E



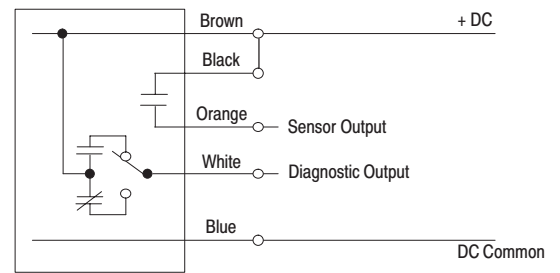
① +24V DC @200mA User Power

PNP

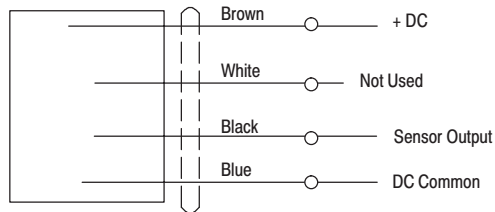
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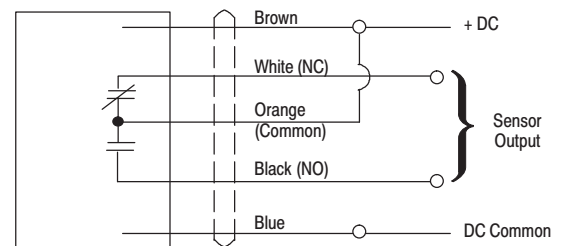
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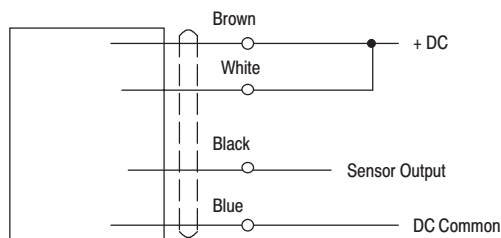
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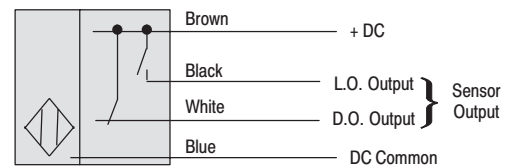
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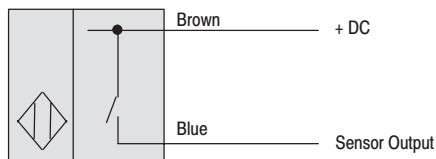
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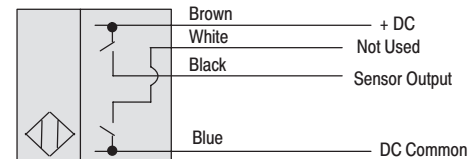
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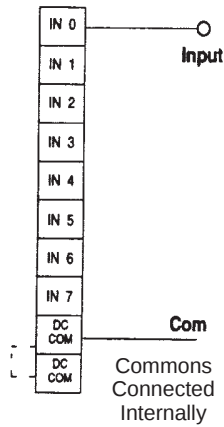


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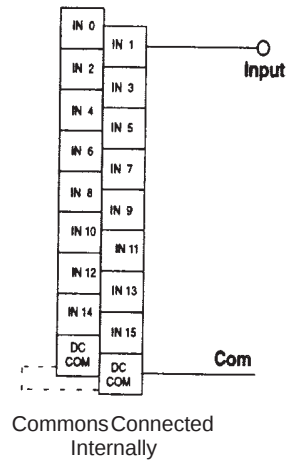


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

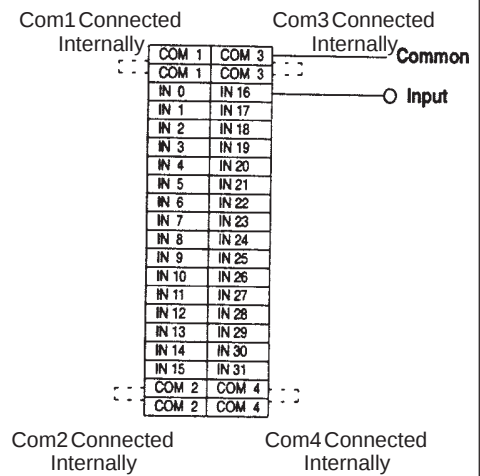
H 1746-IB8



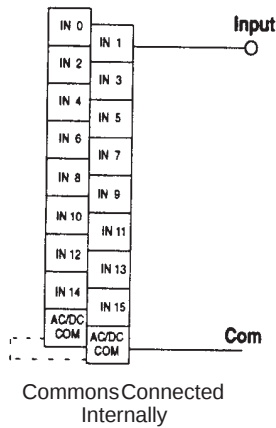
1746-IB16



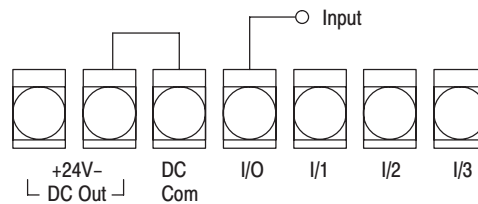
1746-IB32



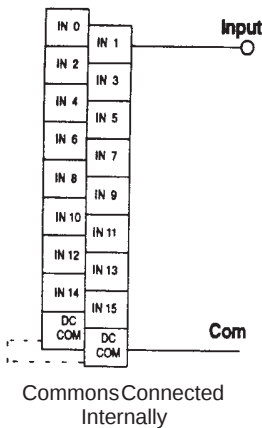
I 1746-IN16



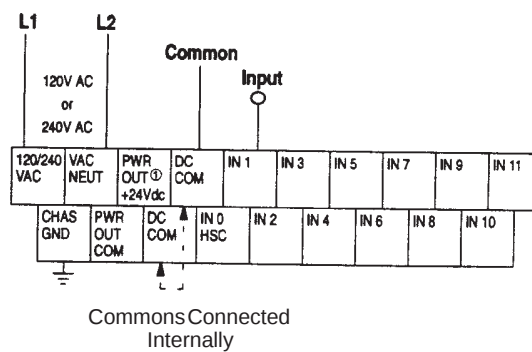
J 1761-L16BWA L32BWA L16BWB 1761-L32BWB L16BBB L32BBB



K 1746-ITB16



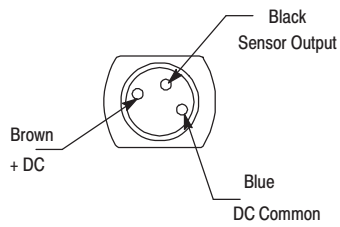
L 1747-L**C,D,E



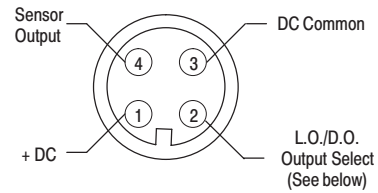
① +24V DC @200mA User Power

PNP

35

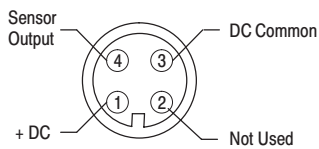


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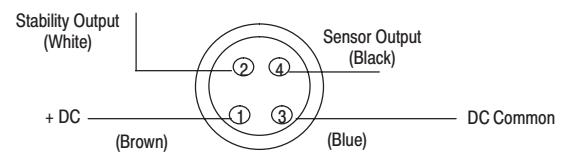


For L.O. connect pin 2 to DC Common
For D.O. connect pin 2 to +DC

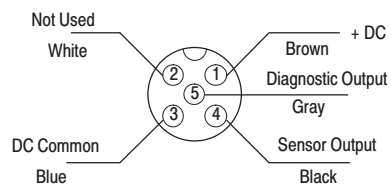
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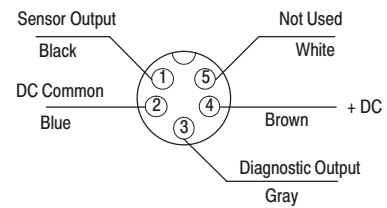
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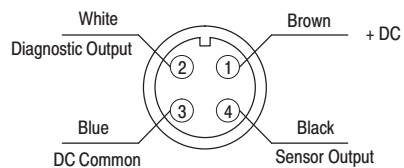
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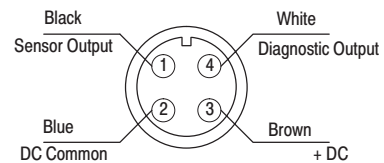
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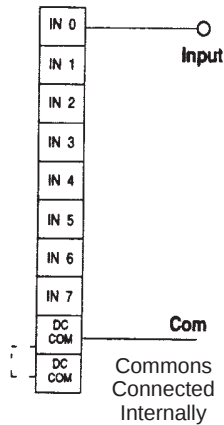


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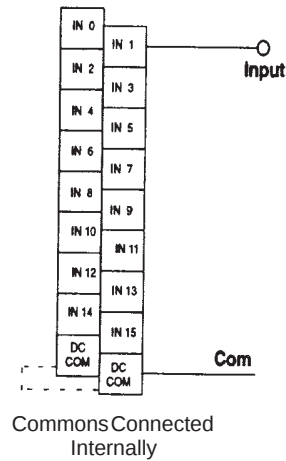


Note: NC = Normally Closed
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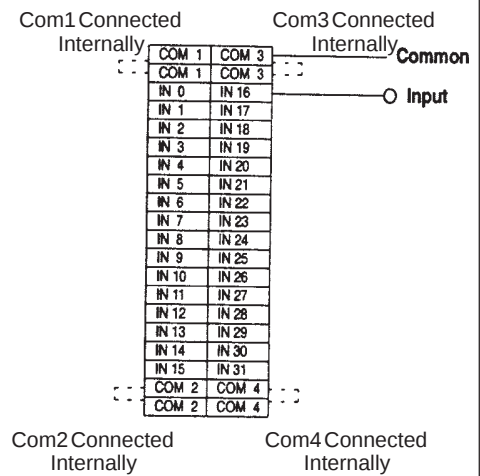
H 1746-IB8



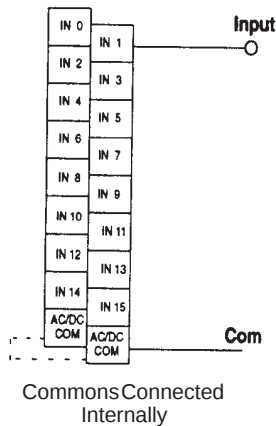
1746-IB16



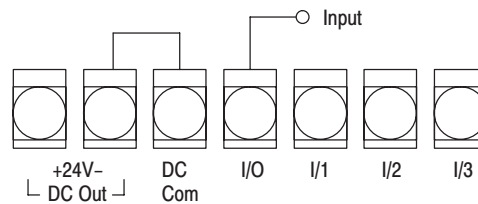
1746-IB32



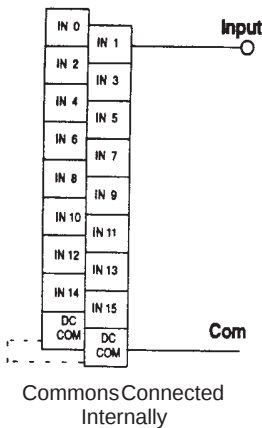
I 1746-IN16



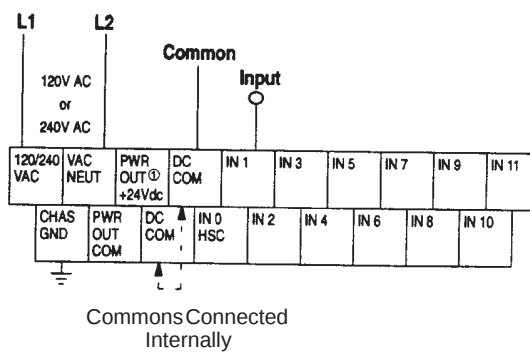
J 1761-L16BWA L32BWA L16BWB 1761-L32BWB L16BBB L32BBB



K 1746-ITB16



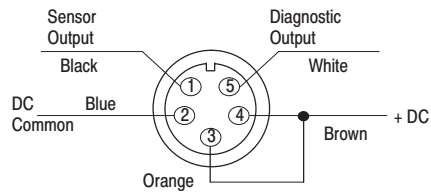
L 1747-L**C,D,E



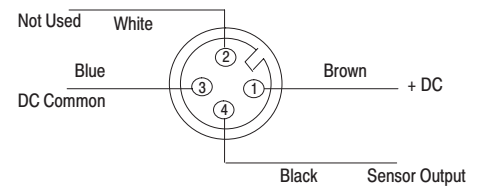
① +24V DC @200mA User Power

PNP

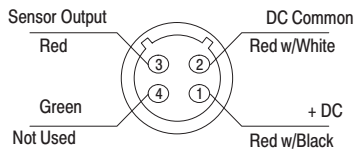
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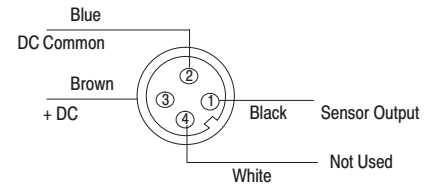
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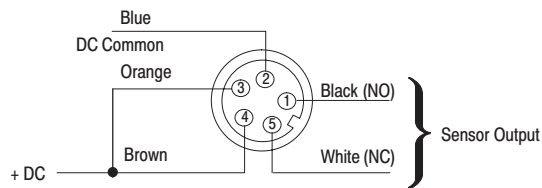
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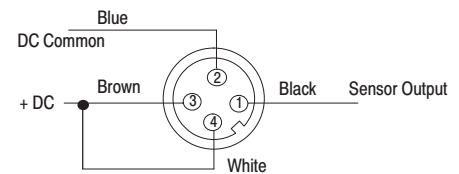
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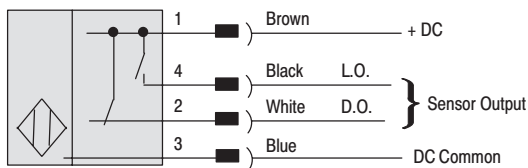
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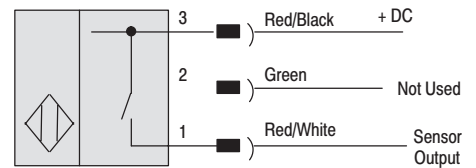
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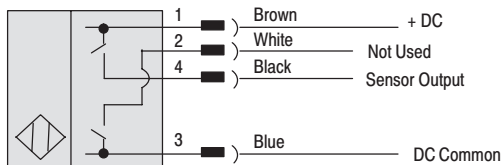
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50

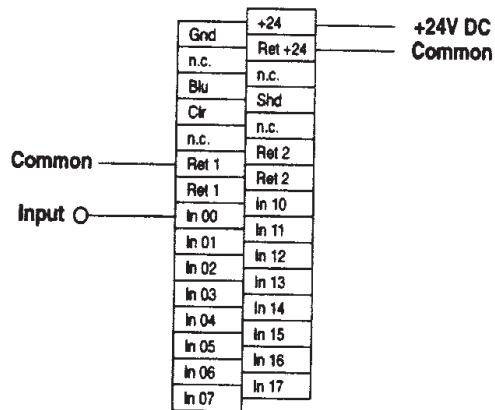


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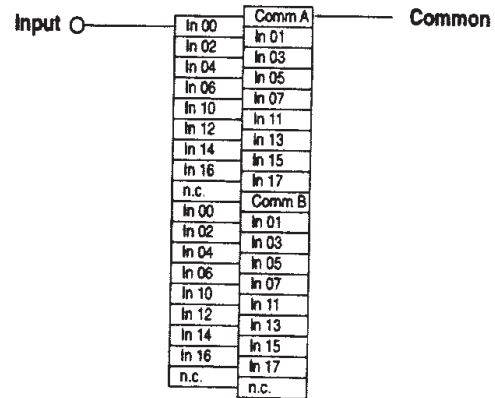


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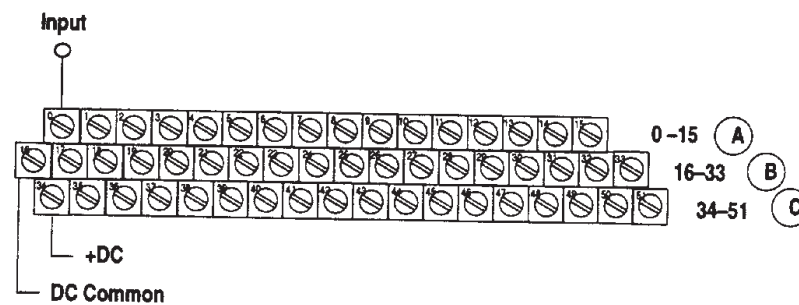
M
1791-16BO/B



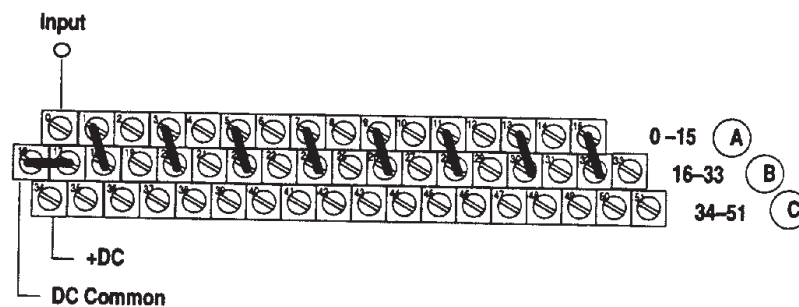
N
1791-IOBX



O
1794-IB16

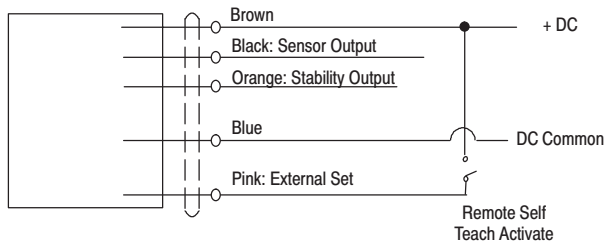


P
1794-IB8S

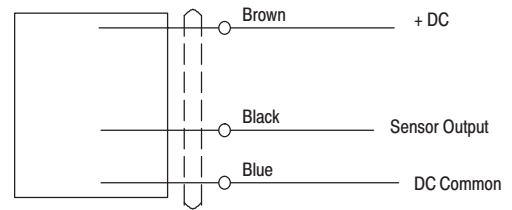


PNP

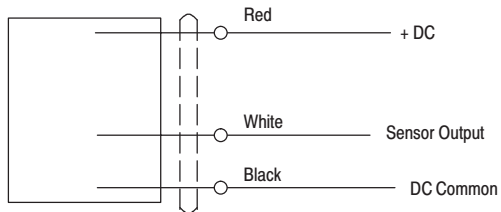
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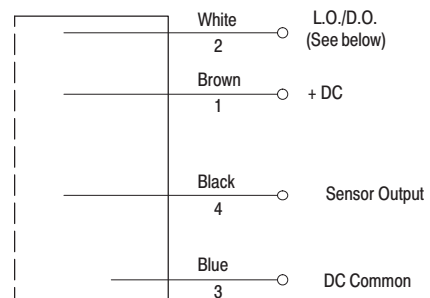
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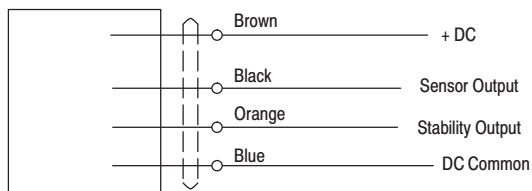


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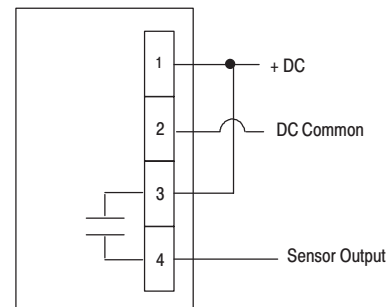


For L.O. connect White to DC Common
For D.O. connect White to +DC

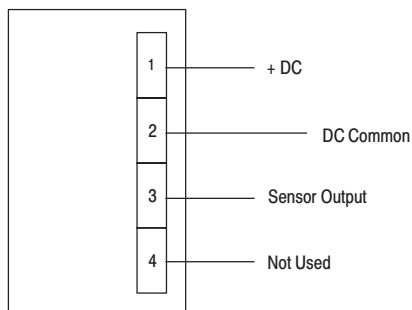
23



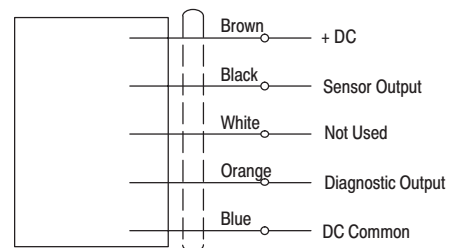
24



25

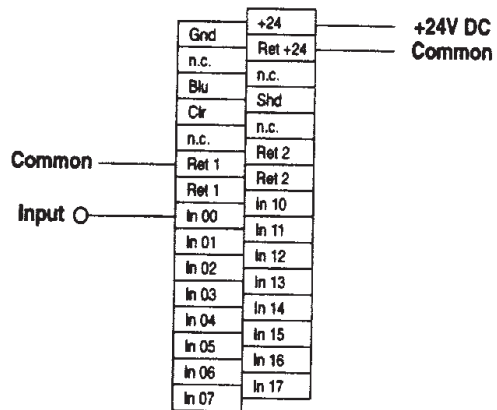


26

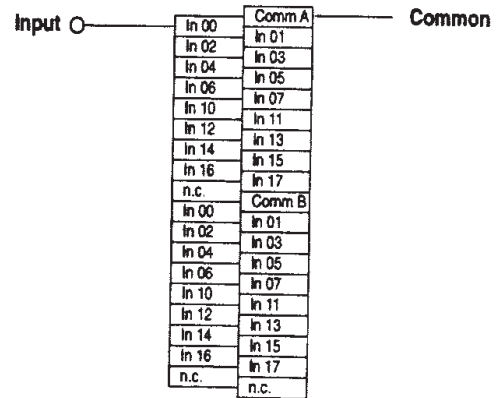


Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

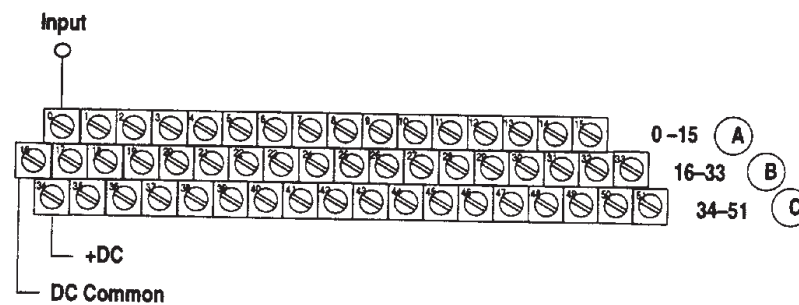
M
1791-16BO/B



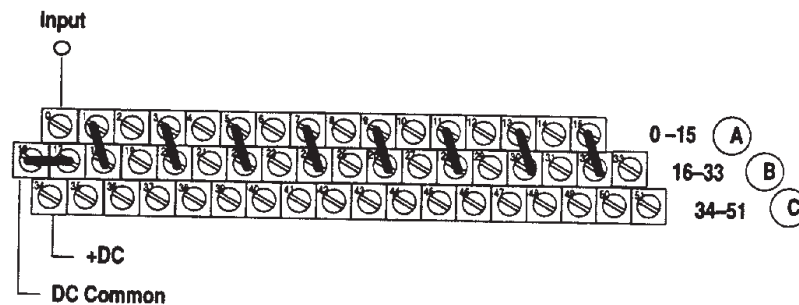
N
1791-IOBX



O
1794-IB16

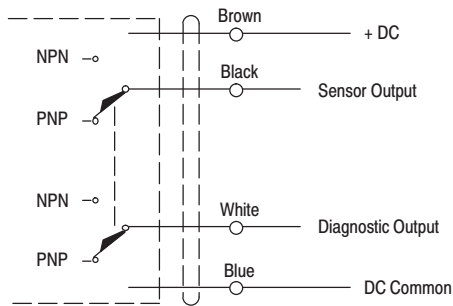


P
1794-IB8S

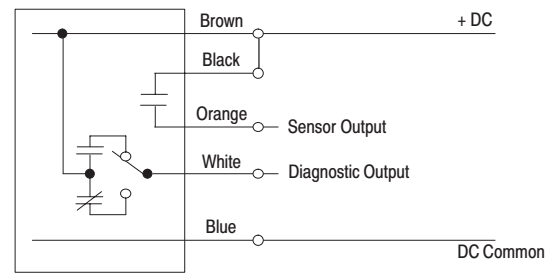


PNP

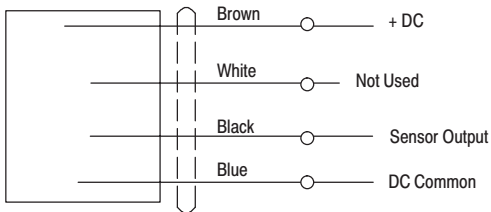
27



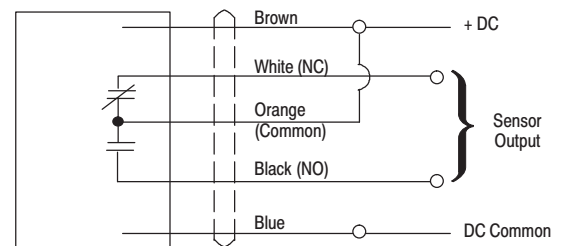
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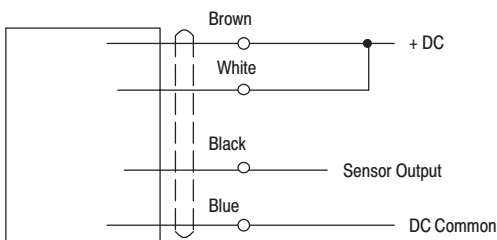
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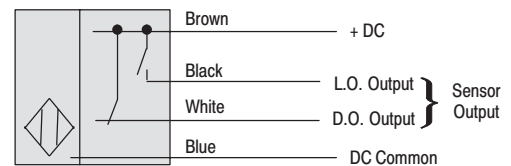
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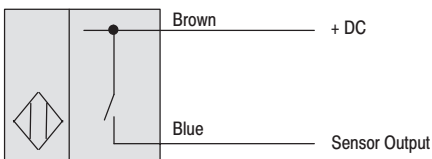
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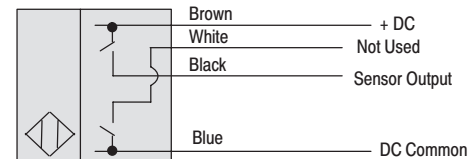
32



33

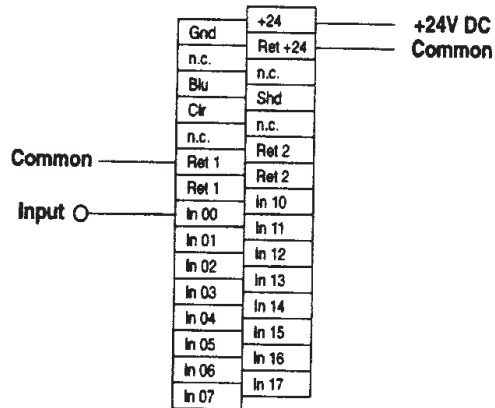


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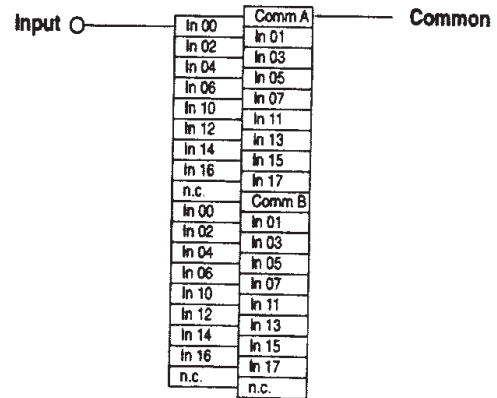


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

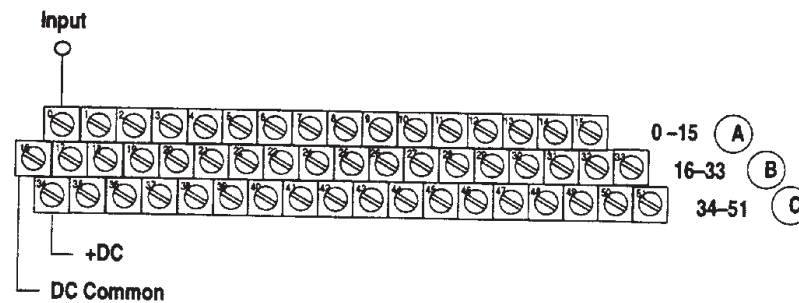
M
1791-16BO/B



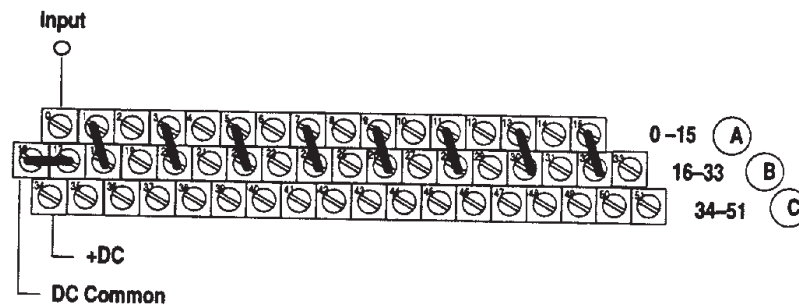
N
1791-IOBX



O
1794-IB16

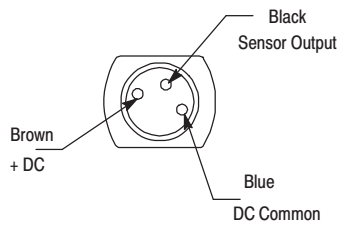


P
1794-IB8S

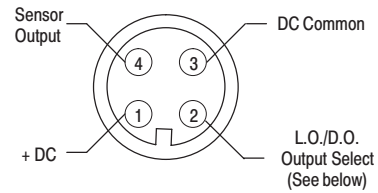


PNP

35

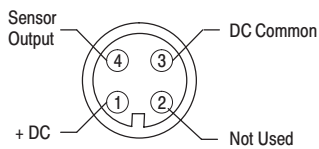


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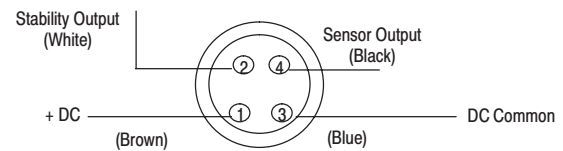


For L.O. connect pin 2 to DC Common
For D.O. connect pin 2 to +DC

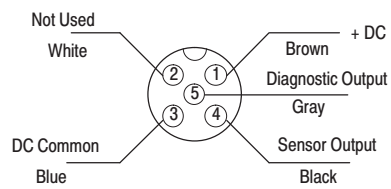
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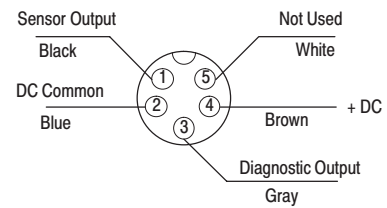
38



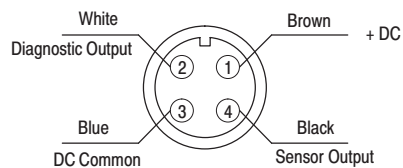
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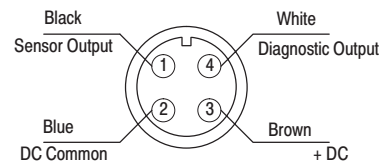
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41

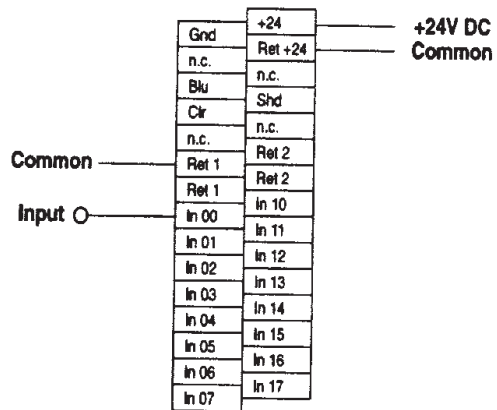


42

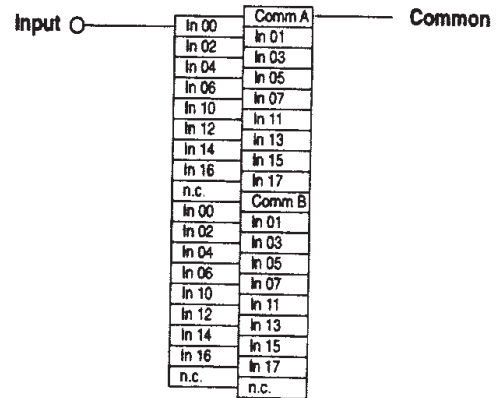


Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

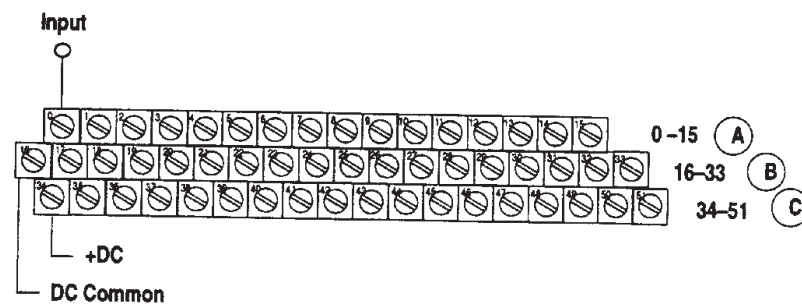
M
1791-16BO/B



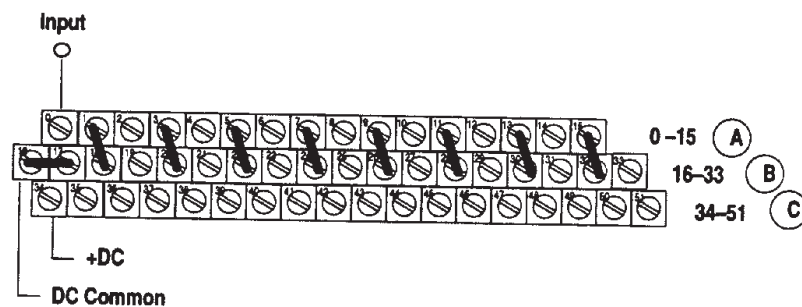
N
1791-IOBX



O
1794-IB16

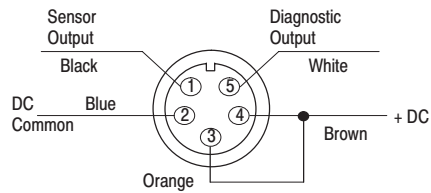


P
1794-IB8S

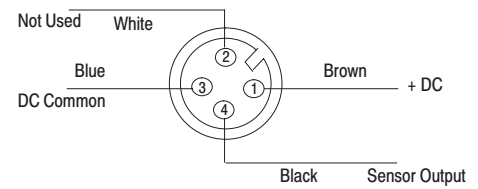


PNP

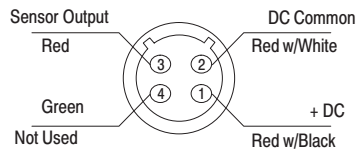
43



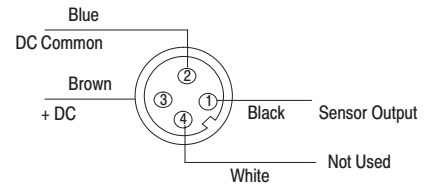
44



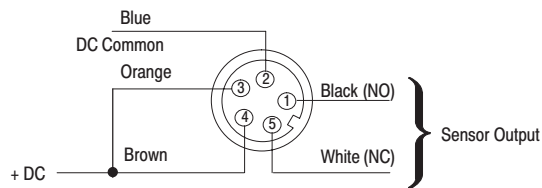
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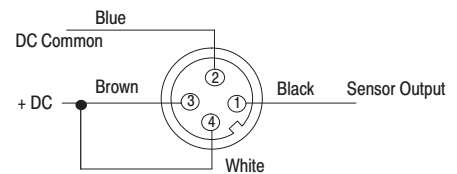
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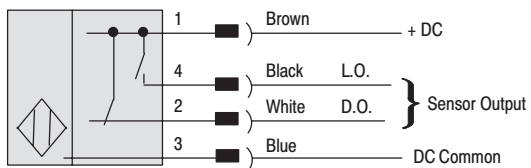
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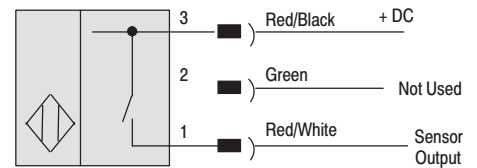
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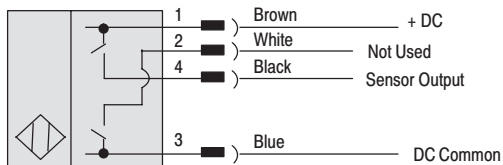
49



50



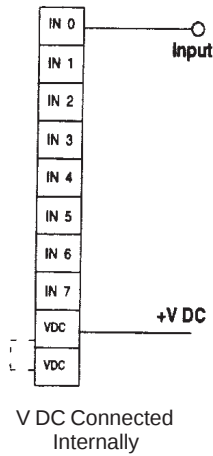
51



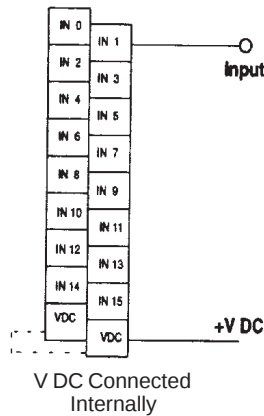
Note: NC = Normally Closed
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 L.O. = Light Operate
 D.O. = Dark Operate

Q

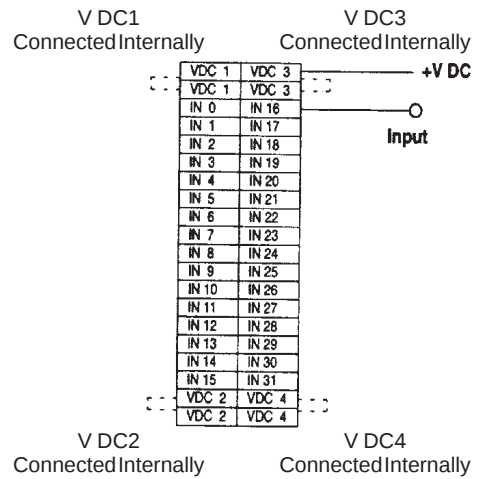
1746-IV8



1746-IV16

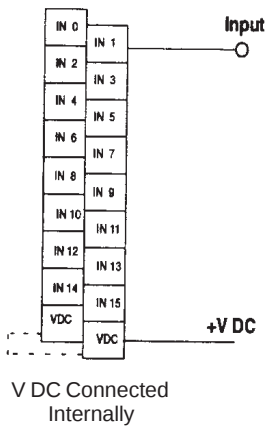


1746-IV32



R

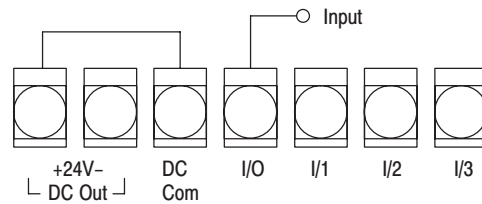
1746-ITV16



S

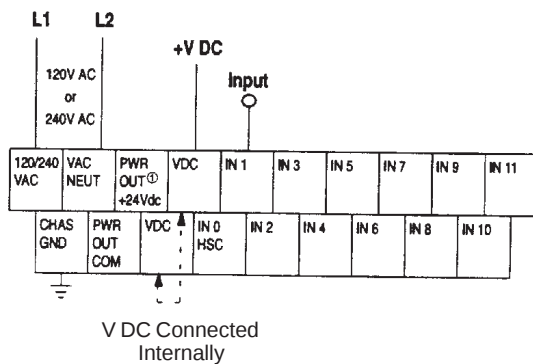
**1761-L16BWA
L32BWA
L16BWB**

**1761-L32BWB
L16BBB
L32BBB**



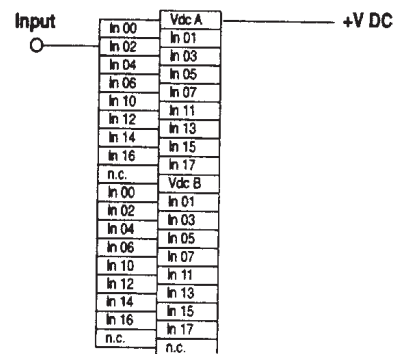
T

1747-LL**

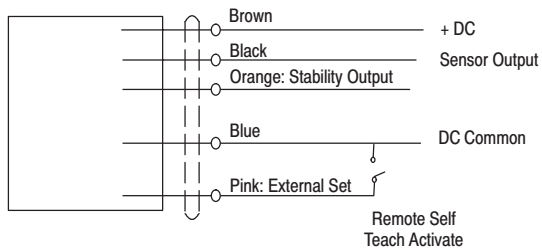
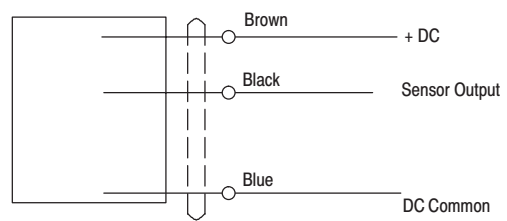
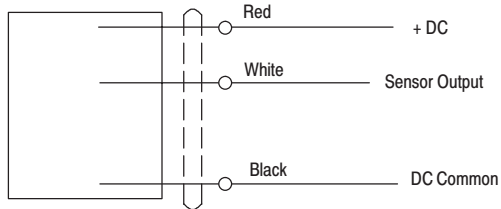
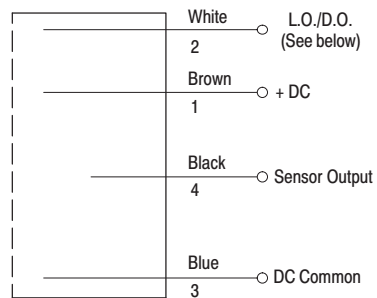


U

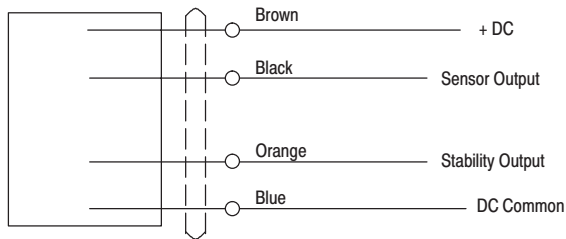
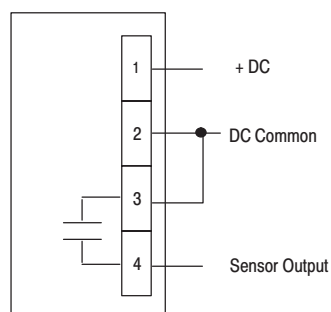
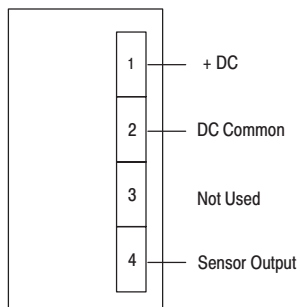
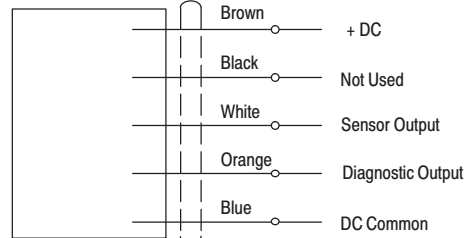
1791-IOVW



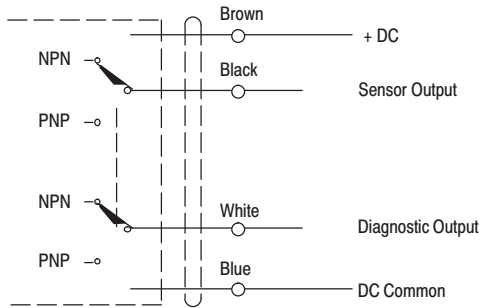
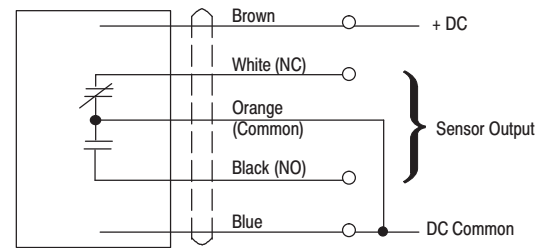
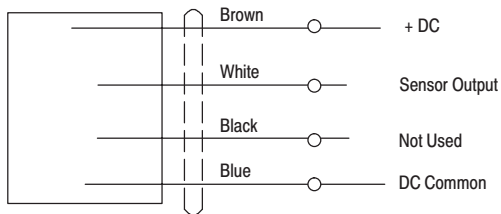
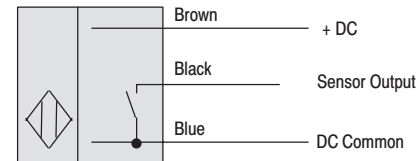
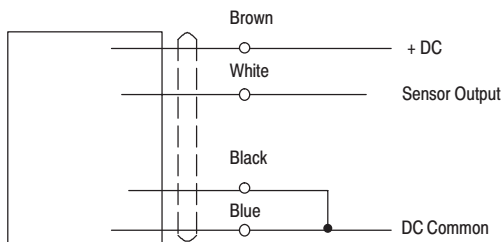
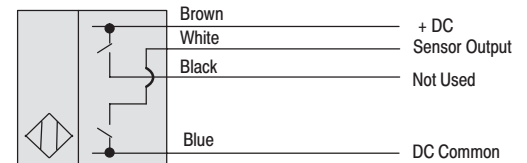
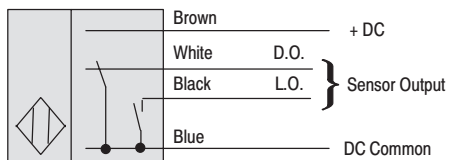
① +24V DC @200mA User Power

NPN**52****53****54****55**

For L.O. connect White to DC Common
For D.O. connect White to +DC

56**57****58****59**

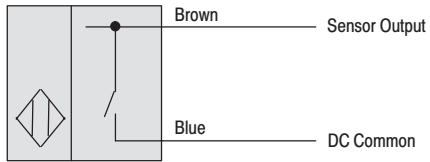
Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

NPN**60****61****62****63****64****65****66**

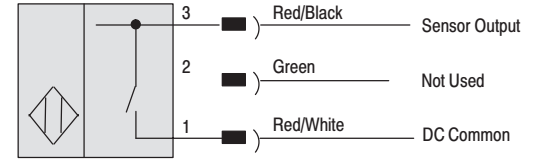
Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

NPN

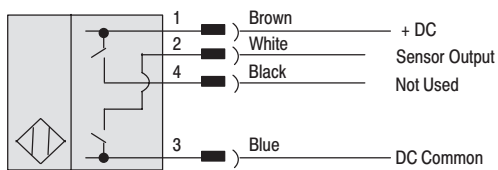
67



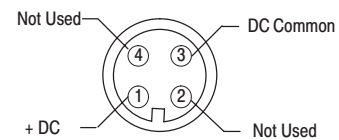
68



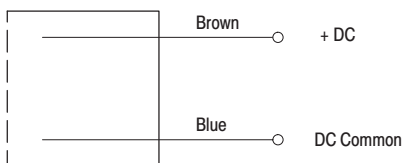
69



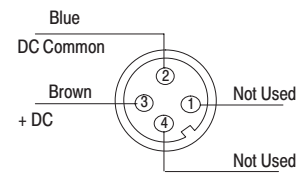
70



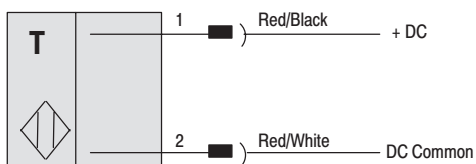
71



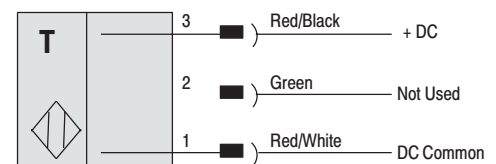
72



73



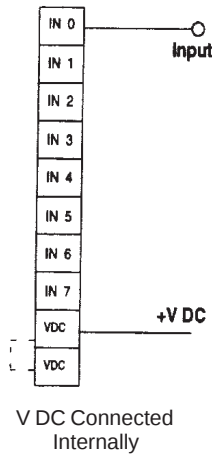
74



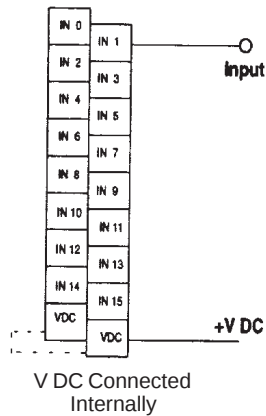
Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

Q

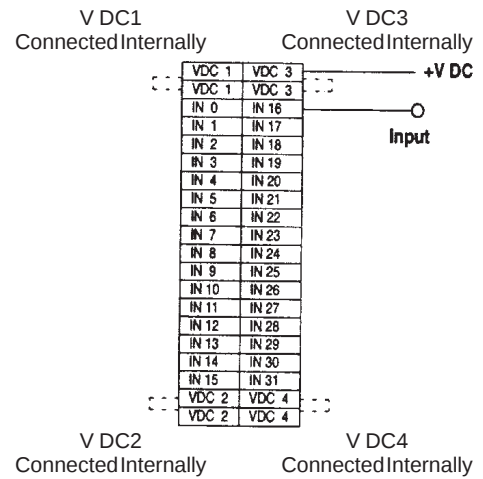
1746-IV8



1746-IV16

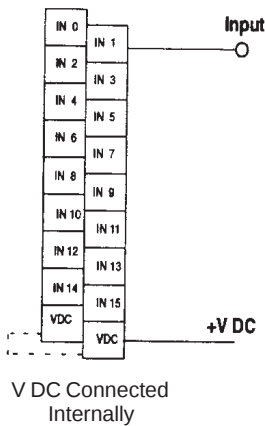


1746-IV32



R

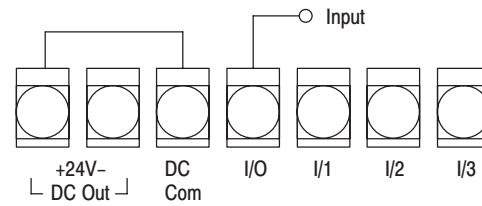
1746-ITV16



S

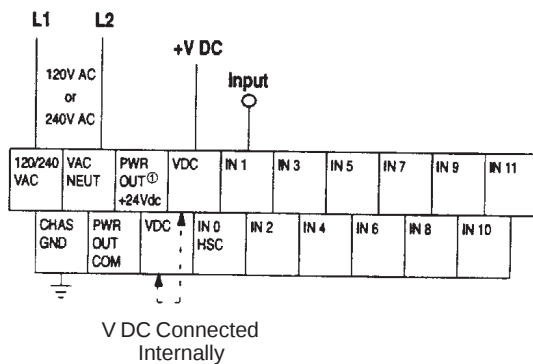
1761-L16BWA L32BWA L16BWB

1761-L32BWB L16BBB L32BBB



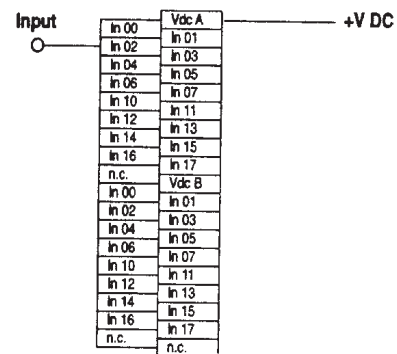
T

1747-L**L



U

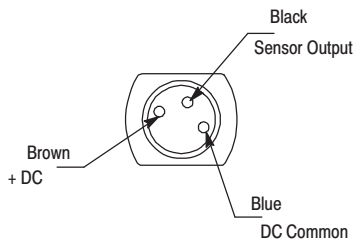
1791-IOVW



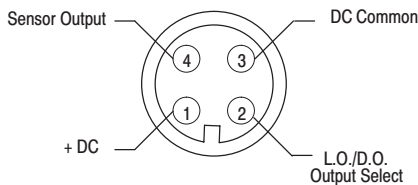
① +24V DC @200mA User Power

NPN

75

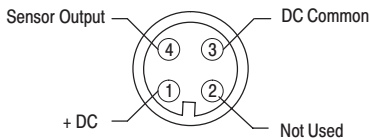


76

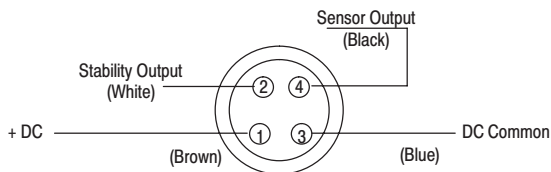


For L.O. connect pin 2 to DC Common
For D.O. connect pin 2 to +DC

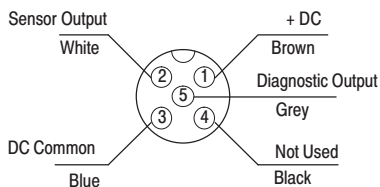
77



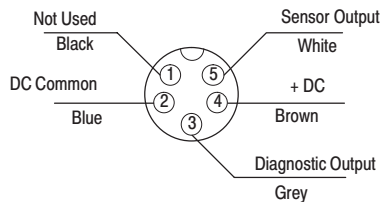
78



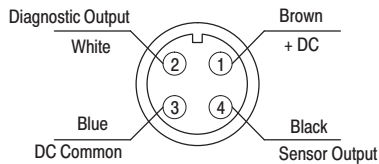
79



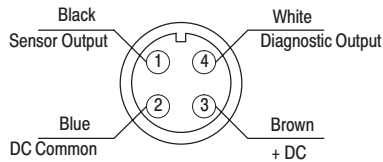
80



81



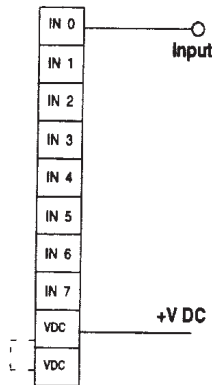
82



Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

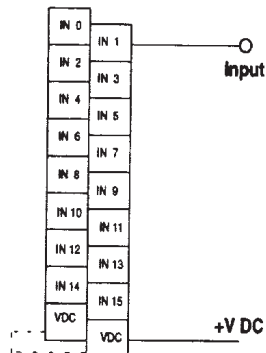
Q

1746-IV8



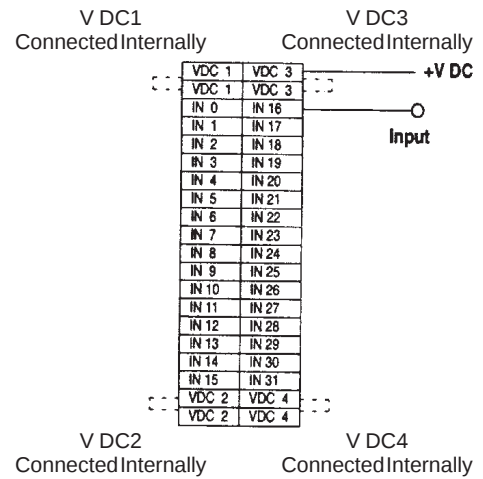
V DC Connected Internally

1746-IV16



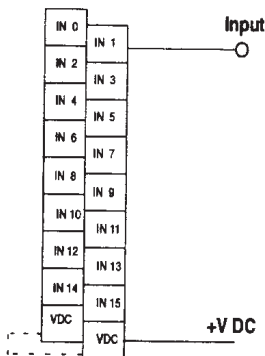
V DC Connected Internally

1746-IV32



R

1746-ITV16

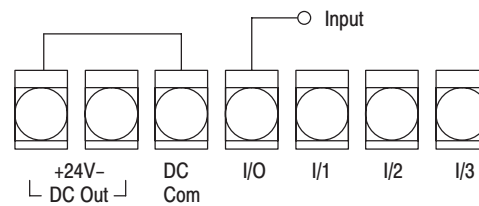


V DC Connected Internally

S

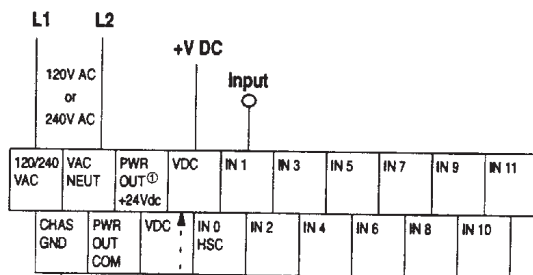
**1761-L16BWA
L32BWA
L16BWB**

**1761-L32BWB
L16BBB
L32BBB**



T

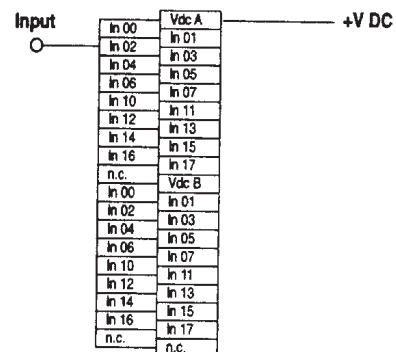
1747-LL**



V DC Connected Internally

U

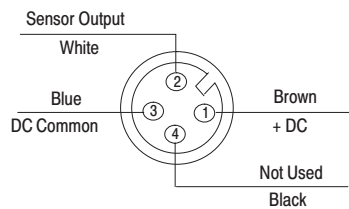
1791-IOVW



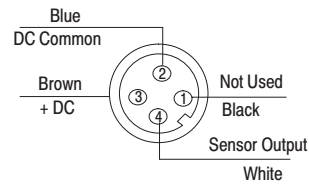
① +24V DC @200mA User Power

NPN

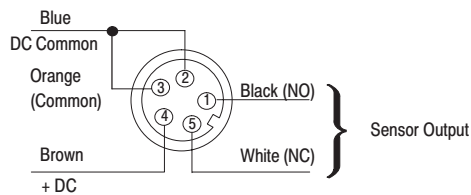
83



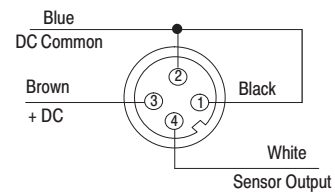
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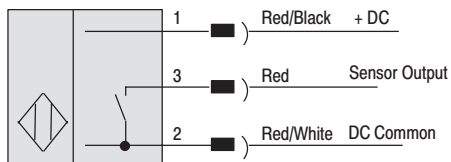
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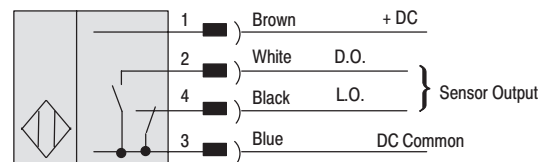
86



87



88



Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

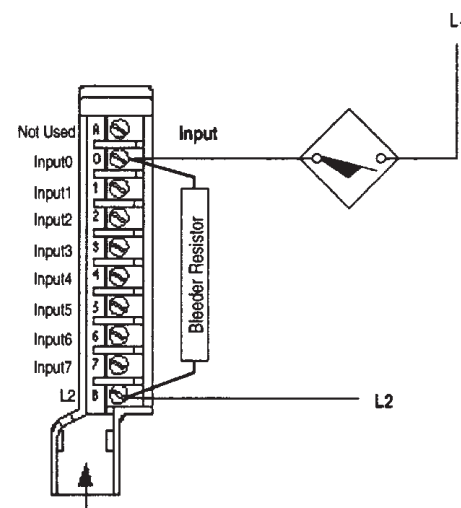
Leakage Current: Current which flows through the output when the output is in an “open” or “de-energized” condition. This condition occurs with all solid-state sensors. It is typically a concern with 2-wire sensors where current flow in these two wires is necessary to supply power to the electronics of the sensor.

In applications with **2-wire** AC or DC sensors, the leakage current of the sensor may be enough to energize the inputs of an I/O module (the sensor turns “on” and “off” but the module remains “on” at all times). To help the module respond to both states of the sensor, a resistor can be added in parallel with the module. This Bleeder Resistor allows for an additional current path, thus decreasing the input current applied the the I/O module.

Bleeder Resistor Sizing for PLC™ (AC)	103
Bleeder Resistor Sizing for PLC™ (DC)	104
Bleeder Resistor Sizing for SLC™ (AC)	105
Bleeder Resistor Sizing for Block I/O (AC)	105
Bleeder Resistor Sizing for SLC™ (DC)	106
Bleeder Resistor Sizing for Block I/O (DC)	106
Bleeder Resistor Sizing for Flex I/O (DC)	106

Leakage Current Forced Compatibility							
PLC Input Module	Maximum Off-State Current	Sensor Leakage Current/Bleeder Resistor					
		1.5mA	1.7mA	2.0mA	2.5mA	3.5mA	6.5mA
AC							
1771-IA (120V AC)	2.8mA	—	—	—	—	10K 3W	5K 3W
1771-IA2 (120V AC)	2.8mA	—	—	—	—	10K 3W	5K 3W
1771-IAD (120V AC)	3.0mA	—	—	—	—	15K 2W	7.5K 2W
1771-IAN (120V AC)	2.3mA	—	—	—	27K 2W	20K 2W	7.5K 2W
1771-ID (120V AC)	1.7mA	—	15K 3W	15K 3W	15K 3W	10K 3W	5K 3W
1771-ID01 (220V AC)	0.7mA	30K 2W	30K 2W	20K 3W	15K 5W	10K 5W	5K 10W
1771-ID16 (120V AC)	4.0mA	—	—	—	—	—	5K 3W
1771-IM (220V AC)	1.0mA	30K 2W	30K 2W	20K 3W	15K 5W	10K 5W	5K 10W
1771-IMD (220V AC)	10.4mA	—	—	—	—	—	—
1771-IN (24V AC)	2.8mA	—	—	—	—	860 2W	500 2W
1771-IND (24V AC)	1.5mA	1.8K 2W	1.8K 2W	1.8K 2W	1.5K 2W	750 2W	330 2W

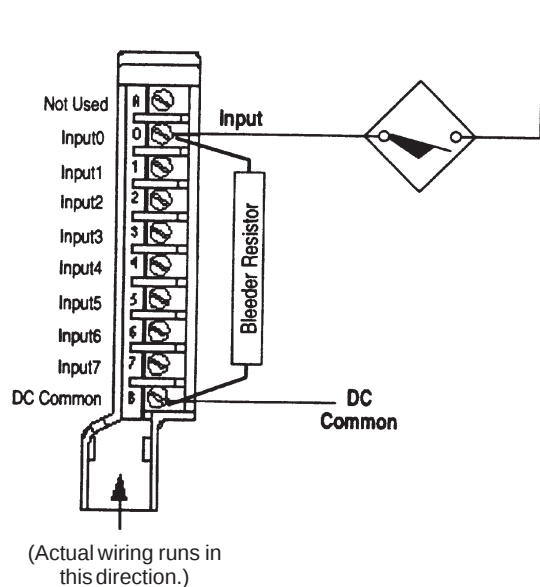
AC Sensor



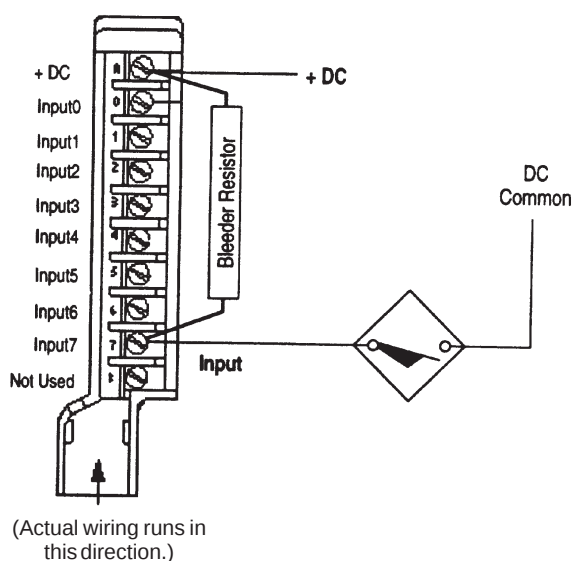
Leakage Current Forced Compatibility

PLC Input Module	Maximum Off-State Current	Sensor Leakage Current/Bleeder Resistor					
		1.5mA	1.7mA	2.0mA	2.5mA	3.5mA	6.5mA
DC							
1771-IA (120V DC)	2.8mA	—	—	—	—	16K 3W	6.8K 3W
1771-IA2 (120V DC)	2.8mA	—	—	—	—	16K 3W	6.8K 3W
1771-IAD (120V DC)	0.8mA	47K 2W	39K 2W	15K 2W	10K 2W	7.5K 2W	4K 4W
1771-IB (24V DC)	3.0mA	—	—	—	—	2K 1W	750 1W
1771-IBD (24V DC)	2.0mA	—	—	2K 1W	2K 1W	2K 1W	860 1W
1771-IBN (24V DC)	1.7mA	—	3K 1W	3K 1W	3K 1W	1.8K 1W	680 1W
1771-IC (48V DC)	3.7mA	—	—	—	—	—	2.7K 1W
1771-ICD (24V DC)	1.2mA	10K 1W	10K 1W	8K 1W	6K 1W	3.3K 1W	1.5K 1W
1771-ID (120V DC)	1.7mA	—	20K 1W	20K 1W	10K 2W	6K 3W	2.7K 6W
1771-ID01 (220V DC)	1.0mA	39K 2W	39K 2W	22K 3W	20K 3W	12K 4W	6K 8W
1771-ID16 (120V DC)	0.8mA	5K 3W	4.7K 3W	3.3K 5W	2.7K 6W	1.8K 8W	860 20W
1771-IH (24V DC)	0.7mA	1.5K 3W	1.5K 3W	1K 3W	680 3W	468 3W	250 3W
1771-IM (220V DC)	1.0mA	62K 1W	62K 1W	20K 3W	15K 4W	10K 5W	5K 10W
1771-IMD (220V DC)	10mA	—	—	—	—	—	—
1771-IQ (24V DC)	NA (assume 2.0mA)	—	—	2K 2W	2K 2W	1K 2W	330 2W
1771-IQ16 (24V DC)	2.0mA	—	—	3K 1W	3K 1W	2K 1W	860 1W
1771-IT (24V DC)	1.3mA	2K 3W	2K 3W	1K 3W	680 3W	470 3W	180 3W
1771-IV16 (24V DC)	3.0mA	—	—	—	—	1K 2W	470 2W
1771-IVN (24V DC)	1.7mA	—	2.7K 2W	2K 2W	2K 2W	860 2W	330 2W

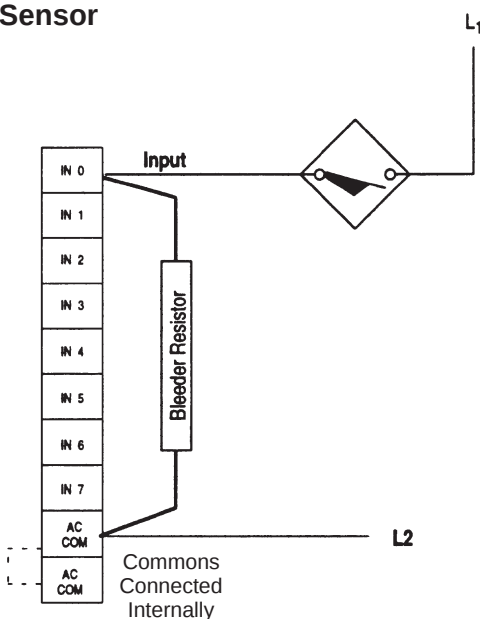
PNP Sensor



NPN Sensor



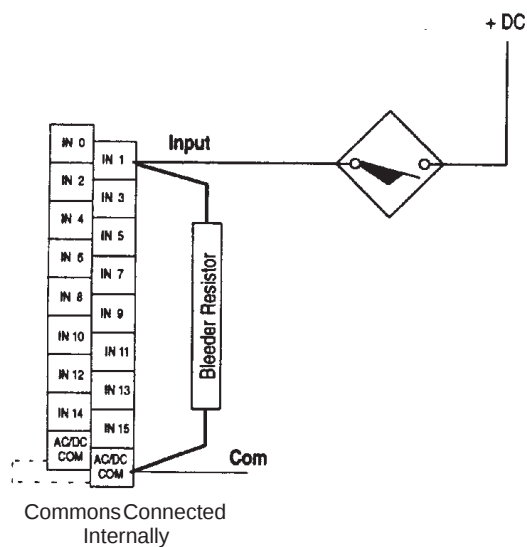
Leakage Current Forced Compatibility							
SLC Input Module	Maximum Off-State Current	Sensor Leakage Current/Bleeder Resistor					
		1.5mA	1.7mA	2.0mA	2.5mA	3.5mA	6.5mA
AC							
1746-IA4 (120V AC)	2.0mA	—	—	10K 3W	10K 3W	10K 3W	4.7K 3W
1746-IA8 (120V AC)	2.0mA	—	—	10K 3W	10K 3W	10K 3W	4.7K 3W
1746-IA16 (120V AC)	2.0mA	—	—	10K 3W	10K 3W	10K 3W	4.7K 3W
1746-IM4 (220V AC)	2.0mA	—	—	18K 3W	18K 3W	18K 3W	6K 8W
1746-IM8 (220V AC)	2.0mA	—	—	18K 3W	18K 3W	18K 3W	6K 8W
1746-IM16 (220V AC)	2.0mA	—	—	18K 3W	18K 3W	18K 3W	6K 8W
1746-IN16 (24V AC)	1.0mA	1.5K	1.5K	1K 3W	750 3W	500 3W	250 3W
1746-IO4 (120V AC)	2.0mA	—	—	10K 3W	10K 3W	10K 3W	4.7K 3W
1746-IO8 (120V AC)	2.0mA	—	—	10K 3W	10K 3W	10K 3W	4.7K 3W
1746-IO12 (120V AC)	2.0mA	—	—	10K 3W	10K 3W	10K 3W	4.7K 3W
1747-L**A (120V AC)	2.0mA	—	—	10K 3W	10K 3W	10K 3W	4.7K 3W
1747-L**B (120V AC)	2.0mA	—	—	10K 3W	10K 3W	10K 3W	4.7K 3W
1747-L**R (220V AC)	2.0mA	—	—	18K 3W	18K 3W	18K 3W	6K 8W
1747-L**P (220V AC)	2.0mA	—	—	18K 3W	18K 3W	18K 3W	6K 8W
Block Input Module			—				
1791-16AO/B (120V AC)	2.3mA	—	—	—	27K 2W	20K 2W	7.5K 2W
MicroLogix (120V AC)	2.5mA	—	—	—	27K 2W	20K 2W	7.5K 2W

AC Sensor

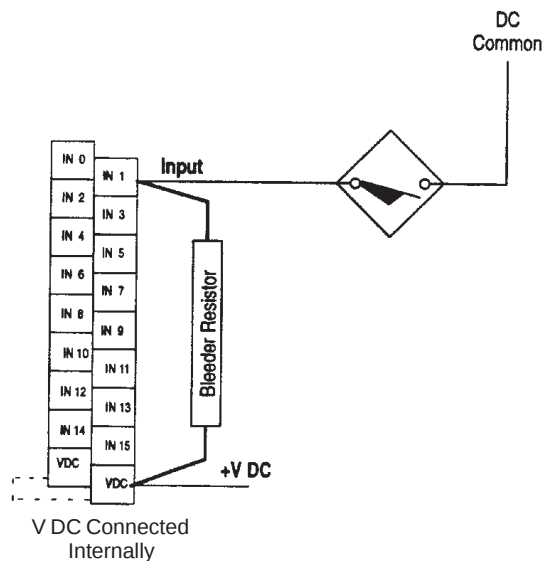
Leakage Current Forced Compatibility

SLC Input Module	Maximum Off-State Current	Sensor Leakage Current/Bleeder Resistor					
		1.5mA	1.7mA	2.0mA	2.5mA	3.5mA	6.5mA
DC							
1746-IB8 (24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1746-IB16 (24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1746-IB32 (24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1746-IN16 (24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1746-ITB16(24V DC)	1.5mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1746-ITV16(24V DC)	1.5mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1746-IV16 (24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1746-IV32 (24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1747-L**C (24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1747-L**D (24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1747-L**E (24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1747-L**L (24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
Block Input Module							
1794-IOBX (24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1746-IOVW(24V DC)	1.0mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1746-16BO/B (24V DC)	1.5mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
Flex Input Module							
1746-IB16 (24V DC)	1.5mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
1746-IB8S (24V DC)	1.5mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W
MicroLogix (24V DC)	1.5mA	1.5K 3W	1.5K 3W	1K 3W	750 3W	500 3W	250 3W

PNP Sensor



NPN Sensor



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World Headquarters, Allen-Bradley, 1201 South Second Street, Milwaukee, WI 53204 USA, Tel: (1) 414 382-2000 Fax: (1) 414 382-4444

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