

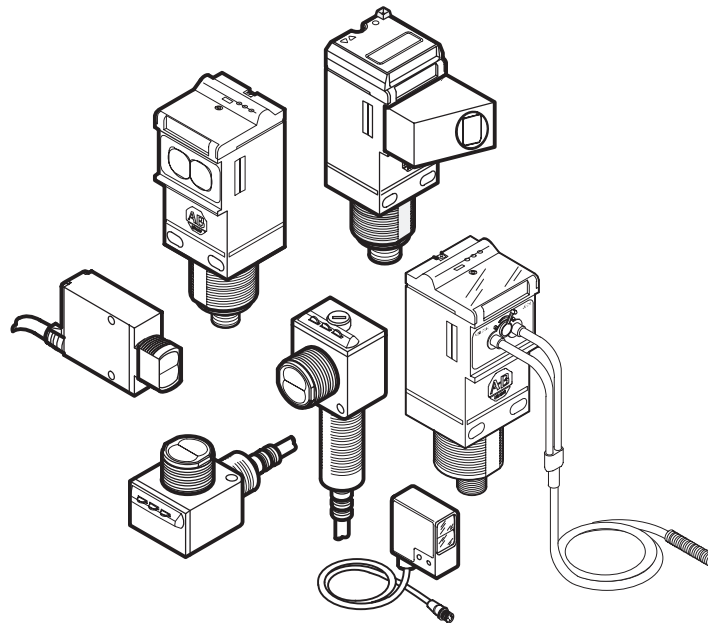


PHOTOSWITCH[®] Photoelectric Sensors and Programmable Controller Interface Manual

1771 PLC[®] I/O

Part I

Preferred Compatibility



Important User Information

The examples and diagrams in this manual are included solely for illustrative purposes. Because of the many variables and requirements associated with any particular installation, Allen-Bradley, Inc. cannot assume responsibility or liability for actual use based on the examples and diagrams.

To Use This Manual

This manual is divided into two sections. The first section contains the PLC[®] I/O module interface selection tables followed by the swing arm to photoelectric wiring diagrams. The second section contains the SLC[™], Block, Flex[™] and MicroLogix[™] I/O selection tables and wiring diagrams. Care should be taken to assure that the wiring diagram used is from the proper section of the manual.

The I/O modules in each section are grouped for AC, DC Sourcing (PNP) and DC Sinking (NPN) sensor operation. The swing arm and wiring diagrams are grouped in AC, PNP and NPN sections.

To use this manual properly, select the photoelectric sensor and I/O Module from Section One or Two. The photoelectric sensors are listed in column one. The I/O modules are listed across the top of the page.

A blank or non-entry in the alphanumeric wiring diagram field would indicate a noncompatible choice of sensor and I/O.

The alphanumeric wiring diagram choice is indicated by a letter followed by a one- or two-digit number. The letter corresponds to an I/O module swing arm, the number to the photoelectric connection type. The letter and number together are found on only one set of pages in the back of each section (letters on the left hand page, numbers on the right). Example: 42CB-U1LPA-M4 to 1771-IBN is indicated by "H36." Pages 30 & 31 show the proper wiring for this PNP sensor to this module.

Note

The use of 42KL MiniSight 2-wire AC/DC sensors may require bleeder resistors for proper operation. Refer to page 102 when using these 2-wire devices.

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

PLC® 1771 Inputs																	
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-IAD,IMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-IAD,IBD,ICD,IMD	1771-IBN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN	
Sensor Type	AC Output					PNP Source Output							NPN Sink Output				
42BA-S1LNAG-A2														M56	N56	O56	P56
42BA-S1LPAG-A2						F20	G20	H20				K20	L20				
42BA-S2LNAA-A2														M56	N56	O56	P56
42BA-S2LNAC-A2														M56	N56	O56	P56
42BA-S2LNAE-A2														M56	N56	O56	P56
42BA-S2LPAA-A2						F20	G20	H20				K20	L20				
42BA-S2LPAC-A2						F20	G20	H20				K20	L20				
42BA-S2LPAE-A2						F20	G20	H20				K20	L20				
42BC-B1CRAL-T4	A1	B1	C1	D1	E1	F24	G24	H24	I24	J24	K24	L24	M57	N57	O57	P57	
42BC-B1CRAN-T4	A1	B1	C1	D1	E1	F24	G24	H24	I24	J24	K24	L24	M57	N57	O57	P57	
42BC-B1LBAL-T4						F25	G25	H25				K25	L25	M58	N58	O58	P58
42BC-B1LBAN-T4						F25	G25	H25				K25	L25	M58	N58	O58	P58
42CA-D1JNB-A2														M53	N53	O53	P53
42CA-D1JNB-D4														M77	N77	O77	P77
42CA-D1JPB-A2						F20	G20	H20				K20	L20				
42CA-D1JPB-D4						F37	G37	H37				K37	L37				
42CA-D1KNB-A2														M53	N53	O53	P53
42CA-D1KNB-D4														M77	N77	O77	P77
42CA-D1KPB-A2						F20	G20	H20				K20	L20				
42CA-D1KPB-D4						F37	G37	H37				K37	L37				
42CA-E1EZB-A2														M71	N71	O71	P71
42CA-E1EZB-D4														M70	N70	O70	P70
42CA-R1JNB-A2														M53	N53	O53	P53
42CA-R1JNB-D4														M77	N77	O77	P77
42CA-R1JPB-A2						F20	G20	H20				K20	L20				
42CA-R1JPB-D4						F37	G37	H37				K37	L37				
42CA-R1KNB-A2														M53	N53	O53	P53
42CA-R1KNB-D4														M77	N77	O77	P77
42CA-R1KPB-A2						F20	G20	H20				K20	L20				
42CA-R1KPB-D4						F37	G37	H37				K37	L37				
42CA-U1JNB-A2														M53	N53	O53	P53
42CA-U1JNB-D4														M77	N77	O77	P77
42CA-U1JPB-A2						F20	G20	H20				K20	L20				
42CA-U1JPB-D4						F37	G37	H37				K37	L37				
42CA-U1KNB-A2														M53	N53	O53	P53
42CA-U1KNB-D4														M77	N77	O77	P77
42CA-U1KPB-A2						F20	G20	H20				K20	L20				

Wiring Diagram Index

PLC® 1771 Inputs																	
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,IDO1	1771-IAD,IMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-IAD,IBD,ICD,IMD	1771-BN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN	
Sensor Type	AC Output					PNP Source Output						NPN Sink Output					
42CA-U1KPB-D4						F37	G37	H37				K37	L37				
42CB-D1LNAF-L2														M55	N55	O55	P55
42CB-D1LNAL-L2														M55	N55	O55	P55
42CB-D1LPAF-L2						F22	G22	H22				K22	L22				
42CB-D1LPAL-L2						F22	G22	H22				K22	L22				
42CB-P2LNA-L2														M55	N55	O55	P55
42CB-P2LNA-M4														M76	N76	O76	P76
42CB-P2LPA-L2						F22	G22	H22				K22	L22				
42CB-P2LPA-M4						F36	G36	H36				K36	L36				
42CB-U1LNA-L2														M55	N55	O55	P55
42CB-U1LNA-M4														M76	N76	O76	P76
42CB-U1LPA-L2						F22	G22	H22				K22	L22				
42CB-U1LPA-M4						F36	G36	H36				K36	L36				
42EF-B1MNBC-A2														M66	N66	O66	P66
42EF-B1MNBC-F4														M88	N88	O88	P88
42EF-B1MNBE-A2														M66	N66	O66	P66
42EF-B1MNBE-F4														M88	N88	O88	P88
42EF-B1MPBC-A2						F32	G32	H32				K32	L32				
42EF-B1MPBC-F4						F49	G49	H49				K49	L49				
42EF-B1MPBE-A2						F32	G32	H32				K32	L32				
42EF-B1MPBE-F4						F49	G49	H49				K49	L49				
42EF-B1RCBC-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-B1RCBC-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87
42EF-B1RCBE-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-B1RCBE-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87
42EF-B1SCBC-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-B1SCBC-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87
42EF-B1SCBE-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-B1SCBE-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87
42EF-D1MNAK-A2														M66	N66	O66	P66
42EF-D1MNAK-F4														M88	N88	O88	P88
42EF-D1MPAK-A2						F32	G32	H32				K32	L32				
42EF-D1MPAK-F4						F49	G49	H49				K49	L49				
42EF-D1RCAK-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-D1RCAK-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87
42EF-D1SCAK-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-D1SCAK-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87

Wiring Diagram Index

PLC® 1771 Inputs																	
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-AD,AMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-AD,IBD,ICD,IMD	1771-IBN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN	
Sensor Type	AC Output					PNP Source Output						NPN Sink Output					
42EF-E1EZB-A2														M71	N71	O71	P71
42EF-E1EZB-F4														M70	N70	O70	P70
42EF-E1QZB-A2	A18	B18	C18	D18	E18									M71	N71	O71	P71
42EF-E1QZB-G4	A17	B17	C17	D17	E17									M73	N73	O73	P73
42EF-G1MNA-A2														M66	N66	O66	P66
42EF-G1MNA-F4														M88	N88	O88	P88
42EF-G1MPA-A2						F32	G32	H32				K32	L32				
42EF-G1MPA-F4						F49	G49	H49				K49	L49				
42EF-G1RCA-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-G1RCA-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87
42EF-G1SCA-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-G1SCA-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87
42EF-P2MNB-A2														M66	N66	O66	P66
42EF-P2MNB-F4														M88	N88	O88	P88
42EF-P2MPB-A2						F32	G32	H32				K32	L32				
42EF-P2MPB-F4						F49	G49	H49				K49	L49				
42EF-P2RCB-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-P2RCB-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87
42EF-P2SCB-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-P2SCB-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87
42EF-R9MNB-A2														M66	N66	O66	P66
42EF-R9MNB-F4														M88	N88	O88	P88
42EF-R9MPB-A2						F32	G32	H32				K32	L32				
42EF-R9MPB-F4						F49	G49	H49				K49	L49				
42EF-R9RCB-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-R9RCB-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87
42EF-R9SCB-A2	A10	B10	C10	D10	E10									M63	N63	O63	P63
42EF-R9SCB-G4	A11	B11	C11	D11	E11									M87	N87	O87	P87
42FA-F2LNA-A2														M54	N54	O54	P54
42FA-F2LNA-P3														M75	N75	O75	P75
42FA-F2LPA-A2						F21	G21	H21				K21	L21				
42FA-F2LPA-P3						F35	G35	H35				K35	L35				
42FB-F2LNA-A2														M53	N53	O53	P53
42FB-F2LNAQ-A2														M53	N53	O53	P53
42FB-F2LPA-A2						F20	G20	H20				K20	L20				
42FB-F2LPAQ-A2						F20	G20	H20				K20	L20				
42FT-F2LNA-A2														M52	N52	O52	P52

Wiring Diagram Index

PLC® 1771 Inputs																	
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,IDO1	1771-IAD,IMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-IAD,IBD,ICD,IMD	1771-BN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN	
Sensor Type	AC Output					PNP Source Output						NPN Sink Output					
42FT-F2LPA-A2						F19	G19	H19				K19	L19				
42FT-F3LNA-A2														M52	N52	O52	P52
42FT-F3LPA-A2						F19	G19	H19				K19	L19				
42GDP-9000						F27	G27	H27				K27	L27	M60	N60	O60	P60
42GDP-9000-QD						F41	G41	H41				K41	L41	M81	N81	O81	P81
42GDP-9000-QD1						F42	G42	H42				K42	L42	M82	N82	O82	P82
42GDP-9004	A2	B2	C2	D2	E2	F28	G28		I28	J28							
42GDP-9004-QD	A4	B4	C4	D4	E4	F43	G43		I43	J43							
42GDP-9005	A3	B3	C3	D3	E3	F28	G28		I28	J28							
42GDP-9005-QD	A4	B4	C4	D4	E4	F43	G43		I43	J43							
42GDR-9000						F27	G27	H27				K27	L27	M60	N60	O60	P60
42GDR-9000-QD						F41	G41	H41				K41	L41	M81	N81	O81	P81
42GDR-9000-QD1						F42	G42	H42				K42	L42	M82	N82	O82	P82
42GDR-9004	A2	B2	C2	D2	E2	F28	G28		I28	J28							
42GDR-9004-QD	A4	B4	C4	D4	E4	F43	G43		I43	J43							
42GDR-9005	A3	B3	C3	D3	E3	F28	G28		I28	J28							
42GDR-9005-QD	A4	B4	C4	D4	E4	F43	G43		I43	J43							
42GDU-9000						F27	G27	H27				K27	L27	M60	N60	O60	P60
42GDU-9000-QD						F41	G41	H41				K41	L41	M81	N81	O81	P81
42GDU-9000-QD1						F42	G42	H42				K42	L42	M82	N82	O82	P82
42GDU-9004	A2	B2	C2	D2	E2	F28	G28		I28	J28							
42GDU-9004-QD	A4	B4	C4	D4	E4	F43	G43		I43	J43							
42GDU-9005	A3	B3	C3	D3	E3	F28	G28		I28	J28							
42GDU-9005-QD	A4	B4	C4	D4	E4	F43	G43		I43	J43							
42GDU-9200						F27	G27	H27				K27	L27	M60	N60	O60	P60
42GDU-9200-QD						F41	G41	H41				K41	L41	M81	N81	O81	P81
42GDU-9200-QD1						F42	G42	H42				K42	L42	M82	N82	O82	P82
42GDU-9204	A2	B2	C2	D2	E2	F28	G28		I28	J28							
42GDU-9204-QD	A4	B4	C4	D4	E4	F43	G43		I43	J43							
42GDU-9205	A3	B3	C3	D3	E3	F28	G28		I28	J28							
42GDU-9205-QD	A4	B4	C4	D4	E4	F43	G43		I43	J43							
42GRC-9200						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GRC-9200-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83
42GRC-9200-QD1						F46	G46	H46				K46	L46	M84	N84	O84	P84
42GRC-9202	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GRC-9202-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GRC-9203	A6	B6	C6	D6	E6	F31	G31		I31	J31							

Wiring Diagram Index

PLC® 1771 Inputs																	
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-AD,AMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-AD,IBD,ICD,IMD	1771-IBN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN	
Sensor Type	AC Output					PNP Source Output						NPN Sink Output					
42GRC-9203-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48							
42GRC-9203-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45							
42GRF-9000						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GRF-9000-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83
42GRF-9001	A5			D5		F30	G30		I30	J30							
42GRF-9001-QD	A8			D8		F47	G47		I47	J47							
42GRF-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GRF-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GRF-9003	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GRF-9003-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48							
42GRF-9003-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45							
42GRF-9003H	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GRF-9100						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GRF-9100-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83
42GRF-9101	A5			D5		F30	G30		I30	J30							
42GRF-9101-QD	A8			D8		F47	G47		I47	J47							
42GRF-9102	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GRF-9102-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GRF-9103	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GRF-9103-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48							
42GRF-9103-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45							
42GRF-9103H	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GRL-9000	A14	B14	C14	D14	E14									M71	N71	O71	P71
42GRL-9000-QD	A15	B15	C15	D15	E15									M70	N70	O70	P70
42GRL-9000H	A14	B14	C14	D14	E14									M71	N71	O71	P71
42GRL-9002-QD	A16	B16	C16	D16	E16									M72	N72	O72	P72
42GRL-9040	A14	B14	C14	D14	E14									M71	N71	O71	P71
42GRL-9040-QD	A15	B15	C15	D15	E15									M70	N70	O70	P70
42GRL-9042-QD	A16	B16	C16	D16	E16									M72	N72	O72	P72
42GRP-9000						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GRP-9000-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83
42GRP-9000-QD1						F46	G46	H46				K46	L46	M84	N84	O84	P84
42GRP-9001	A5			D5		F30	G30	H30				K30	L30	M61	N61	O61	P61
42GRP-9001-QD	A8			D8		F47	G47	H47				K47	L47	M85	N85	O85	P85
42GRP-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GRP-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GRP-9003	A6	B6	C6	D6	E6	F31	G31		I31	J31							

Wiring Diagram Index

PLC® 1771 Inputs																	
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-IAD,IMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-IAD,IBD,ICD,IMD	1771-BN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN	
Sensor Type	AC Output					PNP Source Output						NPN Sink Output					
42GRP-9003-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48							
42GRP-9003-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45							
42GRP-9003H	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GRP-9040						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GRP-9040-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83
42GRP-9040-QD1						F46	G46	H46				K46	L46	M84	N84	O84	P84
42GRP-9041	A5			D5		F30	G30	H30				K30	L30	M61	N61	O61	P61
42GRP-9041-QD	A8			D8		F47	G47	H47				K47	L47	M85	N85	O85	P85
42GRP-9042	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GRP-9042-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GRP-9043	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GRP-9043-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48							
42GRP-9043-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45							
42GRP-9043H	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GRP-9062	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GRP-9062-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GRR-9000						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GRR-9000-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83
42GRR-9000-QD1						F46	G46	H46				K46	L46	M84	N84	O84	P84
42GRR-9001	A5			D5		F30	G30	H30				K30	L30	M61	N61	O61	P61
42GRR-9001-QD	A8			D8		F47	G47	H47				K47	L47	M85	N85	O85	P85
42GRR-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GRR-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GRR-9003	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GRR-9003-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48							
42GRR-9003-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45							
42GRR-9003H	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GRU-9000						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GRU-9000-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83
42GRU-9000-QD1						F46	G46	H46				K46	L46	M84	N84	O84	P84
42GRU-9001	A5			D5		F30	G30	H30				K30	L30	M61	N61	O61	P61
42GRU-9001-QD	A8			D8		F47	G47	H47				K47	L47	M85	N85	O85	P85
42GRU-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GRU-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GRU-9003	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GRU-9003-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48							
42GRU-9003-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45							

Wiring Diagram Index

PLC® 1771 Inputs																
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-AD,AMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-AD,IBD,ICD,IMD	1771-IBN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN
Sensor Type	AC Output					PNP Source Output						NPN Sink Output				
42GRU-9003H	A6	B6	C6	D6	E6	F31	G31		I31	J31						
42GRU-9200						F29	G29	H29			K29	L29	M62	N62	O62	P62
42GRU-9200-QD						F37	G37	H37			K37	L37	M83	N83	O83	P83
42GRU-9200-QD1						F46	G46	H46			K46	L46	M84	N84	O84	P84
42GRU-9201	A5			D5		F30	G30	H30			K30	L30	M61	N61	O61	P61
42GRU-9201-QD	A8			D8		F47	G47	H47			K47	L47	M85	N85	O85	P85
42GRU-9202	A5	B5	C5	D5	E5	F30	G30		I30	J30						
42GRU-9202-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47						
42GRU-9203	A6	B6	C6	D6	E6	F31	G31		I31	J31						
42GRU-9203-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48						
42GRU-9203-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45						
42GRU-9203H	A6	B6	C6	D6	E6	F31	G31		I31	J31						
42GRXC-10200-02													M59	N59	O59	P59
42GRXC-10200-Q1													M80	N80	O80	P80
42GRXC-10200-QD													M79	N79	O79	P79
42GRXC-10210-02						F26	G26	H26			K26	L26				
42GRXC-10210-Q1						F40	G40	H40			K40	L40				
42GRXC-10210-QD						F39	G39	H39			K39	L39				
42GRXF-10000-02													M59	N59	O59	P59
42GRXF-10000-QD													M79	N79	O79	P79
42GRXF-10000-Q1													M80	N80	O80	P80
42GRXF-10010-02						F26	G26	H26			K26	L26				
42GRXF-10010-QD						F39	G39	H39			K39	L39				
42GRXF-10010-Q1						F40	G40	H40			K40	L40				
42GRXF-10100-02													M59	N59	O59	P59
42GRXF-10100-QD													M79	N79	O79	P79
42GRXF-10100-Q1													M80	N80	O80	P80
42GRXF-10110-02						F26	G26	H26			K26	L26				
42GRXF-10110-QD						F39	G39	H39			K39	L39				
42GRXF-10110-Q1						F40	G40	H40			K40	L40				
42GRXF-10300-02													M59	N59	O59	P59
42GRXF-10300-QD													M79	N79	O79	P79
42GRXF-10300-Q1													M80	N80	O80	P80
42GRXF-10310-02						F26	G26	H26			K26	L26				
42GRXF-10310-QD						F39	G39	H39			K39	L39				
42GRXF-10310-Q1						F40	G40	H40			K40	L40				
42GRXP-10000-02													M59	N59	O59	P59

Wiring Diagram Index

PLC® 1771 Inputs																	
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-IAD,IMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-IAD,IBD,ICD,IMD	1771-BN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN	
Sensor Type	AC Output					PNP Source Output						NPN Sink Output					
42GRXP-10000-QD													M79	N79	O79	P79	
42GRXP-10000-Q1													M80	N80	O80	P80	
42GRXP-10010-02						F26	G26	H26				K26	L26				
42GRXP-10010-QD						F39	G39	H39				K39	L39				
42GRXP-10010-Q1						F40	G40	H40				K40	L40				
42GRXU-10000-02														M59	N59	O59	P59
42GRXU-10000-QD														M79	N79	O79	P79
42GRXU-10000-Q1														M80	N80	O80	P80
42GRXU-10100-02						F26	G26	H26				K26	L26				
42GRXU-10100-QD						F39	G39	H39				K39	L39				
42GRXU-10100-Q1						F40	G40	H40				K40	L40				
42GRXU-10200-02														M59	N59	O59	P59
42GRXU-10200-QD														M79	N79	O79	P79
42GRXU-10200-Q1														M80	N80	O80	P80
42GRXU-10210-02						F26	G26	H26				K26	L26				
42GRXU-10210-QD						F39	G39	H39				K39	L39				
42GRXU-10210-Q1						F40	G40	H40				K40	L40				
42GTC-9200						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GTC-9200-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83
42GTC-9200-QD1						F46	G46	H46				K46	L46	M84	N84	O84	P84
42GTC-9202	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GTC-9202-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GTC-9203	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GTC-9203-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48							
42GTC-9203-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45							
42GTF-9000						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GTF-9000-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83
42GTF-9001	A5			D5		F30	G30		I30	J30							
42GTF-9001-QD	A8			D8		F47	G47		I47	J47							
42GTF-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GTF-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GTF-9003	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GTF-9003-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48							
42GTF-9003-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45							
42GTF-9003H	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GTF-9100						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GTF-9100-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83

Wiring Diagram Index

PLC® 1771 Inputs																
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-AD,IMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-AD,IBD,ICD,IMD	1771-IBN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN
Sensor Type	AC Output					PNP Source Output						NPN Sink Output				
42GTF-9101	A5			D5		F30	G30		I30	J30						
42GTF-9101-QD	A8			D8		F47	G47		I47	J47						
42GTF-9102	A5	B5	C5	D5	E5	F30	G30		I30	J30						
42GTF-9102-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47						
42GTF-9103	A6	B6	C6	D6	E6	F31	G31		I31	J31						
42GTF-9103-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48						
42GTF-9103-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45						
42GTGC-10200-02													M59	N59	O59	P59
42GTGC-10200-Q1													M80	N80	O80	P80
42GTGC-10200-QD													M79	N79	O79	P79
42GTGC-10210-02						F26	G26	H26				K26	L26			
42GTGC-10210-Q1						F40	G40	H40				K40	L40			
42GTGC-10210-QD						F39	G39	H39				K39	L39			
42GTGF-10000-02													M59	N59	O59	P59
42GTGF-10000-QD													M79	N79	O79	P79
42GTGF-10000-Q1													M80	N80	O80	P80
42GTGF-10010-02						F26	G26	H26				K26	L26			
42GTGF-10010-QD						F39	G39	H39				K39	L39			
42GTGF-10010-Q1						F40	G40	H40				K40	L40			
42GTGF-10100-02													M59	N59	O59	P59
42GTGF-10100-QD													M79	N79	O79	P79
42GTGF-10100-Q1													M80	N80	O80	P80
42GTGF-10110-02						F26	G26	H26				K26	L26			
42GTGF-10110-QD						F39	G39	H39				K39	L39			
42GTGF-10110-Q1						F40	G40	H40				K40	L40			
42GTGF-10300-02													M59	N59	O59	P59
42GTGF-10300-QD													M79	N79	O79	P79
42GTGF-10300-Q1													M80	N80	O80	P80
42GTGF-10310-02						F26	G26	H26				K26	L26			
42GTGF-10310-QD						F39	G39	H39				K39	L39			
42GTGF-10310-Q1						F40	G40	H40				K40	L40			
42GTGP-10000-02													M59	N59	O59	P59
42GTGP-10000-QD													M79	N79	O79	P79
42GTGP-10000-Q1													M80	N80	O80	P80
42GTGP-10010-02						F26	G26	H26				K26	L26			
42GTGP-10010-QD						F39	G39	H39				K39	L39			
42GTGP-10010-Q1						F40	G40	H40				K40	L40			

Wiring Diagram Index

PLC® 1771 Inputs																		
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-IAD,IMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-IAD,IBD,ICD,IMD	1771-BN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN		
Sensor Type	AC Output					PNP Source Output						NPN Sink Output						
42GTGU-10000-Q2															M59	N59	O59	P59
42GTGU-10000-QD															M79	N79	O79	P79
42GTGU-10000-Q1															M80	N80	O80	P80
42GTGU-10010-Q2						F26	G26	H26				K26	L26					
42GTGU-10010-QD						F39	G39	H39				K39	L39					
42GTGU-10010-Q1						F40	G40	H40				K40	L40					
42GTGU-10200-Q2															M59	N59	O59	P59
42GTGU-10200-QD															M79	N79	O79	P79
42GTGU-10200-Q1															M80	N80	O80	P80
42GTGU-10210-Q2						F26	G26	H26				K26	L26					
42GTGU-10210-QD						F39	G39	H39				K39	L39					
42GTGU-10210-Q1						F40	G40	H40				K40	L40					
42GTP-9000						F29	G29	H29				K29	L29	M62	N62	O62	P62	
42GTP-9000-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83	
42GTP-9000-QD1						F46	G46	H46				K46	L46	M84	N84	O84	P84	
42GTP-9001	A5			D5		F30	G30	H30				K30	L30	M61	N61	O61	P61	
42GTP-9001-QD	A8			D8		F47	G47	H47				K47	L47	M85	N85	O85	P85	
42GTP-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30								
42GTP-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47								
42GTP-9003	A6	B6	C6	D6	E6	F31	G31		I31	J31								
42GTP-9003-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48								
42GTP-9003-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45								
42GTP-9003H	A6	B6	C6	D6	E6	F31	G31		I31	J31								
42GTP-9040						F29	G29	H29				K29	L29	M62	N62	O62	P62	
42GTP-9040-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83	
42GTP-9040-QD1						F46	G46	H46				K46	L46	M84	N84	O84	P84	
42GTP-9041	A5			D5		F30	G30	H30				K30	L30	M61	N61	O61	P61	
42GTP-9041-QD	A8			D8		F47	G47	H47				K47	L47	M85	N85	O85	P85	
42GTP-9042	A5	B5	C5	D5	E5	F30	G30		I30	J30								
42GTP-9042-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47								
42GTP-9043	A6	B6	C6	D6	E6	F31	G31		I31	J31								
42GTP-9043-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48								
42GTP-9043-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45								
42GTR-9000						F29	G29	H29				K29	L29	M62	N62	O62	P62	
42GTR-9000-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83	
42GTR-9000-QD1						F46	G46	H46				K46	L46	M84	N84	O84	P84	
42GTR-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30								

Wiring Diagram Index

PLC® 1771 Inputs																	
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-AD,IMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-AD,IBD,ICD,IMD	1771-IBN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN	
Sensor Type	AC Output					PNP Source Output						NPN Sink Output					
42GTR-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GTU-9000						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GTU-9000-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83
42GTU-9000-QD1						F46	G46	H46				K46	L46	M84	N84	O84	P84
42GTU-9001	A5			D5		F30	G30	H30				K30	L30	M61	N61	O61	P61
42GTU-9001-QD	A8			D8		F47	G47	H47				K47	L47	M85	N85	O85	P85
42GTU-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GTU-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GTU-9003	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GTU-9003-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48							
42GTU-9003-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45							
42GTU-9003H	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GTU-9200						F29	G29	H29				K29	L29	M62	N62	O62	P62
42GTU-9200-QD						F37	G37	H37				K37	L37	M83	N83	O83	P83
42GTU-9200-QD1						F46	G46	H46				K46	L46	M84	N84	O84	P84
42GTU-9201	A5			D5		F30	G30	H30				K30	L30	M61	N61	O61	P61
42GTU-9201-QD	A8			D8		F47	G47	H47				K47	L47	M85	N85	O85	P85
42GTU-9202	A5	B5	C5	D5	E5	F30	G30		I30	J30							
42GTU-9202-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47							
42GTU-9203	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42GTU-9203-QD	A9	B9	C9	D9	E9	F48	G48		I48	J48							
42GTU-9203-QD1	A7	B7	C7	D7	E7	F45	G45		I45	J45							
42GTU-9203H	A6	B6	C6	D6	E6	F31	G31		I31	J31							
42KA-D2JNFA-A2														M53	N53	O53	P53
42KA-D2JNFC-A2														M53	N53	O53	P53
42KA-D2JNHA-A2														M53	N53	O53	P53
42KA-D2JNHC-A2														M53	N53	O53	P53
42KA-D2JPFC-A2						F20	G20	H20				K20	L20				
42KA-D2JPHA-A2						F20	G20	H20				K20	L20				
42KA-D2JPHC-A2						F20	G20	H20				K20	L20				
42KA-E2KNFK-A2														M71	N71	O71	P71
42KA-E2KNHK-A2														M71	N71	O71	P71
42KA-E2KNTK-A2														M71	N71	O71	P71
42KA-E2KPFK-A2														M71	N71	O71	P71
42KA-E2KPHK-A2														M71	N71	O71	P71
42KA-E2KPSK-A2														M71	N71	O71	P71
42KA-E2KPTK-A2														M71	N71	O71	P71

Wiring Diagram Index

PLC® 1771 Inputs																
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-IAD,IMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-IAD,IBD,ICD,IMD	1771-BN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN
Sensor Type	AC Output					PNP Source Output						NPN Sink Output				
42KA-R2KNFK-A2													M53	N53	O53	P53
42KA-R2KNHK-A2													M53	N53	O53	P53
42KA-R2KNTK-A2													M53	N53	O53	P53
42KA-R2KPFK-A2						F20	G20	H20				K20	L20			
42KA-R2KPHK-A2						F20	G20	H20				K20	L20			
42KA-R2KPSK-A2						F20	G20	H20				K20	L20			
42KA-R2KPTK-A2						F20	G20	H20				K20	L20			
42KA-S2JNSA-A2													M53	N53	O53	P53
42KA-S2JPSA-A2						F20	G20	H20				K20	L20			
42KB-D1LNED-A2													M56	N56	O56	P56
42KB-D1LNEG-A2													M56	N56	O56	P56
42KB-D1LNSD-A2													M56	N56	O56	P56
42KB-D1LNSh-A2													M56	N56	O56	P56
42KB-D1LPED-A2						F20	G20	H20				K20	L20			
42KB-D1LPEG-A2						F20	G20	H20				K20	L20			
42KB-D1LPSD-A2						F20	G20	H20				K20	L20			
42KB-D1LPSH-A2						F20	G20	H20				K20	L20			
42KB-D2LNEH-A2													M56	N56	O56	P56
42KB-D2LNSG-A2													M56	N56	O56	P56
42KB-D2LPEH-A2						F20	G20	H20				K20	L20			
42KB-D2LPSG-A2						F20	G20	H20				K20	L20			
42KB-E1LNEL-A2													M71	N71	O71	P71
42KB-E1LNEQ-A2													M71	N71	O71	P71
42KB-E1LNsl-A2													M71	N71	O71	P71
42KB-E1LNSQ-A2													M71	N71	O71	P71
42KB-E1LPEL-A2													M71	N71	O71	P71
42KB-E1LPEQ-A2													M71	N71	O71	P71
42KB-E1LPSL-A2													M71	N71	O71	P71
42KB-E1LPSQ-A2													M71	N71	O71	P71
42KB-E2LNSR-A2													M71	N71	O71	P71
42KB-E2LPSR-A2													M71	N71	O71	P71
42KB-R1LNEL-A2													M56	N56	O56	P56
42KB-R1LNEQ-A2													M56	N56	O56	P56
42KB-R1LNsl-A2													M56	N56	O56	P56
42KB-R1LNSQ-A2													M56	N56	O56	P56
42KB-R1LPEL-A2						F20	G20	H20				K20	L20			
42KB-R1LPEQ-A2						F20	G20	H20				K20	L20			

Wiring Diagram Index

PLC® 1771 Inputs																	
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-AD,AMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-AD,IBD,ICD,IMD	1771-IBN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN	
Sensor Type	AC Output					PNP Source Output						NPN Sink Output					
42KB-R1LPSL-A2						F20	G20	H20				K20	L20				
42KB-R1LPSQ-A2						F20	G20	H20				K20	L20				
42KB-R2LNSR-A2														M56	N56	O56	P56
42KB-R2LPSR-A2						F20	G20	H20				K20	L20				
42KB-S1LNSB-A2														M56	N56	O56	P56
42KB-S1LPSB-A2						F20	G20	H20				K20	L20				
42KB-S2LNSA-A2														M56	N56	O56	P56
42KB-S2LPSA-A2						F20	G20	H20				K20	L20				
42KB-U2LNSN-A2														M56	N56	O56	P56
42KB-U2LPSN-A2						F20	G20	H20				K20	L20				
42KC-D2LNEK-A2														M56	N56	O56	P56
42KC-D2LNEK-P4														M78	N78	O78	P78
42KC-D2LNSK-A2														M56	N56	O56	P56
42KC-D2LNSK-P4														M78	N78	O78	P78
42KC-D2LPEK-A2						F23	G23	H23				K23	L23				
42KC-D2LPEK-P4						F38	G38	H38				K38	L38				
42KC-D2LPSK-A2						F23	G23	H23				K23	L23				
42KC-D2LPSK-P4						F38	G38	H38				K38	L38				
42KC-E2LNGP-A2														M71	N71	O71	P71
42KC-E2LNGP-P4														M70	N70	O70	P70
42KC-E2LNTP-A2														M71	N71	O71	P71
42KC-E2LNTP-P4														M70	N70	O70	P70
42KC-E2LPGP-A2														M71	N71	O71	P71
42KC-E2LPGP-P4														M70	N70	O70	P70
42KC-E2LPTP-A2														M71	N71	O71	P71
42KC-E2LPTP-P4														M70	N70	O70	P70
42KC-P2LNEM-A2														M56	N56	O56	P56
42KC-P2LNEM-P4														M78	N78	O78	P78
42KC-P2LNSM-A2														M56	N56	O56	P56
42KC-P2LNSM-P4														M78	N78	O78	P78
42KC-P2LPEM-A2						F23	G23	H23				K23	L23				
42KC-P2LPEM-P4						F38	G38	H38				K38	L38				
42KC-P2LPSM-A2						F23	G23	H23				K23	L23				
42KC-P2LPSM-P4						F38	G38	H38				K38	L38				
42KC-R2LNGP-A2														M56	N56	O56	P56
42KC-R2LNGP-P4														M78	N78	O78	P78
42KC-R2LNTP-A2														M56	N56	O56	P56

Wiring Diagram Index

PLC® 1771 Inputs																		
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-IAD,IMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-IAD,IBD,ICD,IMD	1771-BN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN		
Sensor Type	AC Output					PNP Source Output							NPN Sink Output					
42KC-R2LNTP-P4															M78	N78	O78	P78
42KC-R2LPGP-A2						F23	G23	H23				K23	L23					
42KC-R2LPGP-P4						F38	G38	H38				K38	L38					
42KC-R2LPTP-A2						F23	G23	H23				K23	L23					
42KC-R2LPTP-P4						F38	G38	H38				K38	L38					
42KL-D1LB-A2						F34	G34	H34				K34	L34	M65	N65	O65	P65	
42KL-D1LB-F4						F51	G51	H51				K51	L51	M69	N69	O69	P69	
42KL-D1LBQ-A2						F34	G34	H34				K34	L34	M65	N65	O65	P65	
42KL-D1LBQ-F4						F51	G51	H51				K51	L51	M69	N69	O69	P69	
42KL-D1TC-A2	A12	B12	C12	D12	E12	F33	G33	H33	I33	J33	K33	L33	M67	N67	O67	P67		
42KL-D1TC-G3	A13	B13	C13	D13	E13	F50	G50	H50	I50	J50	K50	L50	M68	N68	O68	P68		
42KL-E1EZB-A2															M71	N71	O71	P71
42KL-E1EZB-F4															M70	N70	O70	P70
42KL-E1EZBQ-A2															M71	N71	O71	P71
42KL-E1EZBQ-F4															M70	N70	O70	P70
42KL-E1QZB-A2	A18	B18	C18	D18	E18										M71	N71	O71	P71
42KL-E1QZB-G3	A89	B89	C89	D89	E89										M74	N74	O74	P74
42KL-F2LBL-A2						F34	G34	H34				K34	L34	M65	N65	O65	P65	
42KL-F2LBL-F4						F51	G51	H51				K51	L51	M69	N69	O69	P69	
42KL-F2LBLQ-A2						F34	G34	H34				K34	L34	M65	N65	O65	P65	
42KL-F2LBLQ-F4						F51	G51	H51				K51	L51	M69	N69	O69	P69	
42KL-F2LBS-A2						F34	G34	H34				K34	L34	M65	N65	O65	P65	
42KL-F2LBS-F4						F51	G51	H51				K51	L51	M69	N69	O69	P69	
42KL-F2LBSQ-A2						F34	G34	H34				K34	L34	M65	N65	O65	P65	
42KL-F2LBSQ-F4						F51	G51	H51				K51	L51	M69	N69	O69	P69	
42KL-F2TCL-A2	A12	B12	C12	D12	E12	F33	G33	H33	I33	J33	K33	L33	M67	N67	O67	P67		
42KL-F2TCL-G3	A13	B13	C13	D13	E13	F50	G50	H50	I50	J50	K50	L50	M68	N68	O68	P68		
42KL-F2TCS-A2	A12	B12	C12	D12	E12	F33	G33	H33	I33	J33	K33	L33	M67	N67	O67	P67		
42KL-F2TCS-G3	A13	B13	C13	D13	E13	F50	G50	H50	I50	J50	K50	L50	M68	N68	O68	P68		
42KL-F3LBS-A2						F34	G34	H34				K34	L34	M65	N65	O65	P65	
42KL-F3LBS-F4						F51	G51	H51				K51	L51	M69	N69	O69	P69	
42KL-F3LBSQ-A2						F34	G34	H34				K34	L34	M65	N65	O65	P65	
42KL-F3LBSQ-F4						F51	G51	H51				K51	L51	M69	N69	O69	P69	
42KL-G1LB-A2						F34	G34	H34				K34	L34	M65	N65	O65	P65	
42KL-G1LB-F4						F51	G51	H51				K51	L51	M69	N69	O69	P69	
42KL-G1LBQ-A2						F34	G34	H34				K34	L34	M65	N65	O65	P65	
42KL-G1LBQ-F4						F51	G51	H51				K51	L51	M69	N69	O69	P69	

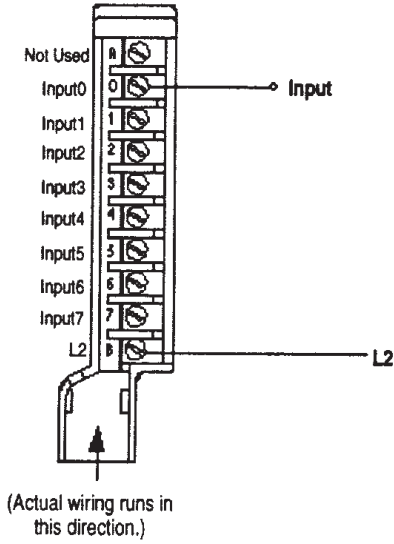
Wiring Diagram Index

PLC® 1771 Inputs																
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-AD,AMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-AD,IBD,ICD,IMD	1771-IBN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN
Sensor Type	AC Output					PNP Source Output							NPN Sink Output			
42KL-G1TC-A2	A12	B12	C12	D12	E12	F33	G33	H33	I33	J33	K33	L33	M67	N67	O67	P67
42KL-G1TC-G3	A13	B13	C13	D13	E13	F50	G50	H50	I50	J50	K50	L50	M68	N68	O68	P68
42KL-L2LB-A2						F34	G34	H34			K34	L34	M65	N65	O65	P65
42KL-L2LB-F4						F51	G51	H51			K51	L51	M69	N69	O69	P69
42KL-L2LBQ-A2						F34	G34	H34			K34	L34	M65	N65	O65	P65
42KL-L2LBQ-F4						F51	G51	H51			K51	L51	M69	N69	O69	P69
42KL-L2TC-A2	A12	B12	C12	D12	E12	F33	G33	H33	I33	J33	K33	L33	M67	N67	O67	P67
42KL-L2TC-G3	A13	B13	C13	D13	E13	F50	G50	H50	I50	J50	K50	L50	M68	N68	O68	P68
42KL-P2LB-A2						F34	G34	H34			K34	L34	M65	N65	O65	P65
42KL-P2LB-F4						F51	G51	H51			K51	L51	M69	N69	O69	P69
42KL-P2LBQ-A2						F34	G34	H34			K34	L34	M65	N65	O65	P65
42KL-P2LBQ-F4						F51	G51	H51			K51	L51	M69	N69	O69	P69
42KL-P2TC-A2	A12	B12	C12	D12	E12	F33	G33	H33	I33	J33	K33	L33	M67	N67	O67	P67
42KL-P2TC-G3	A13	B13	C13	D13	E13	F50	G50	H50	I50	J50	K50	L50	M68	N68	O68	P68
42KL-RLB-A2						F34	G34	H34			K34	L34	M65	N65	O65	P65
42KL-RLB-F4						F51	G51	H51			K51	L51	M69	N69	O69	P69
42KL-RLBQ-A2						F34	G34	H34			K34	L34	M65	N65	O65	P65
42KL-RLBQ-F4						F51	G51	H51			K51	L51	M69	N69	O69	P69
42KL-RTC-A2	A12	B12	C12	D12	E12	F33	G33	H33	I33	J33	K33	L33	M67	N67	O67	P67
42KL-RTC-G3	A13	B13	C13	D13	E13	F50	G50	H50	I50	J50	K50	L50	M68	N68	O68	P68
42KL-U2LB-A2						F34	G34	H34			K34	L34	M65	N65	O65	P65
42KL-U2LB-F4						F51	G51	H51			K51	L51	M69	N69	O69	P69
42KL-U2LBQ-A2						F34	G34	H34			K34	L34	M65	N65	O65	P65
42KL-U2LBQ-F4						F51	G51	H51			K51	L51	M69	N69	O69	P69
42KL-U2TC-A2	A12	B12	C12	D12	E12	F33	G33	H33	I33	J33	K33	L33	M67	N67	O67	P67
42KL-U2TC-G3	A13	B13	C13	D13	E13	F50	G50	H50	I50	J50	K50	L50	M68	N68	O68	P68
42KL-W1LB-A2						F34	G34	H34			K34	L34	M65	N65	O65	P65
42KL-W1LB-F4						F51	G51	H51			K51	L51	M69	N69	O69	P69
42KL-W1LBQ-A2						F34	G34	H34			K34	L34	M65	N65	O65	P65
42KL-W1LBQ-F4						F51	G51	H51			K51	L51	M69	N69	O69	P69
42KL-W1TC-A2	A12	B12	C12	D12	E12	F33	G33	H33	I33	J33	K33	L33	M67	N67	O67	P67
42KL-W1TC-G3	A13	B13	C13	D13	E13	F50	G50	H50	I50	J50	K50	L50	M68	N68	O68	P68
42KRF-9000						F29	G29	H29			K29	L29	M62	N62	O62	P62
42KRF-9000-QD						F37	G37	H37			K37	L37	M83	N83	O83	P83
42KRF-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30						
42KRF-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47						
42KRL-9000	A14	B14	C14	D14	E14								M71	N71	O71	P71

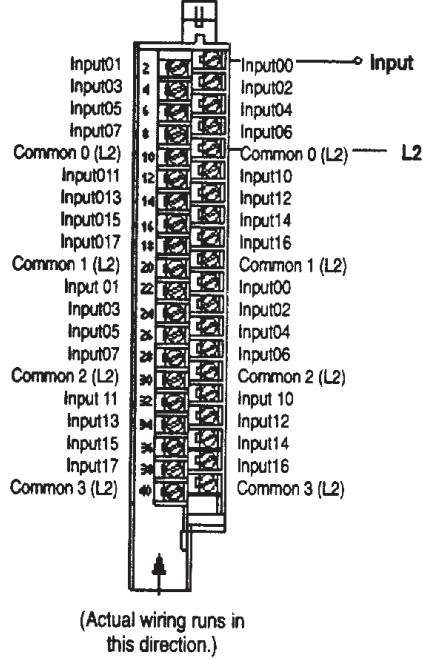
Wiring Diagram Index

PLC® 1771 Inputs																
	1771-IA,IA2,IN,IM	1771-IAN	1771-ID,ID01	1771-IAD,IMD,IND	1771-ID16	1771-IA,IA2,IB,IC,IH,IM,IT	1771-IAD,IBD,ICD,IMD	1771-IBN	1771-ID	1771-ID16	1771-IQ	1771-IQ16	1771-IQ	1771-IQ16	1771-IV	1771-IVN
Sensor Type	AC Output					PNP Source Output						NPN Sink Output				
42KRL-9000-QD	A15	B15	C15	D15	E15								M70	N70	O70	P70
42KRL-9002-QD	A16	B16	C16	D16	E16								M72	N72	O72	P72
42KRP-9000						F29	G29	H29			K29	L29	M62	N62	O62	P62
42KRP-9000-QD						F37	G37	H37			K37	L37	M83	N83	O83	P83
42KRP-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30						
42KRP-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47						
42KRR-9000						F29	G29	H29			K29	L29	M62	N62	O62	P62
42KRR-9000-QD						F37	G37	H37			K37	L37	M83	N83	O83	P83
42KRR-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30						
42KRR-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47						
42KRU-9000						F29	G29	H29			K29	L29	M62	N62	O62	P62
42KRU-9000-QD						F37	G37	H37			K37	L37	M83	N83	O83	P83
42KRU-9002	A5	B5	C5	D5	E5	F30	G30		I30	J30						
42KRU-9002-QD	A8	B8	C8	D8	E8	F47	G47		I47	J47						

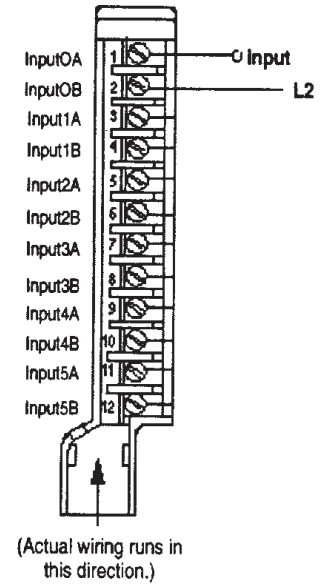
A
1771-IA, IA2, IN, IM



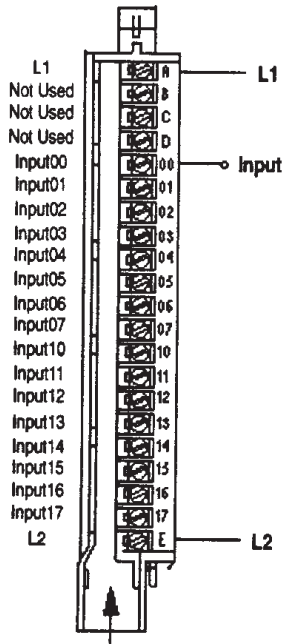
B
1771-IAN



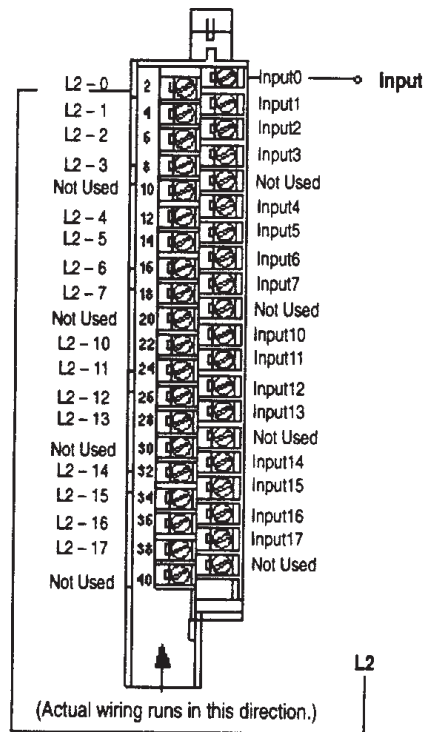
C
1771-ID, ID01



D
1771-IAD, IMD, IND

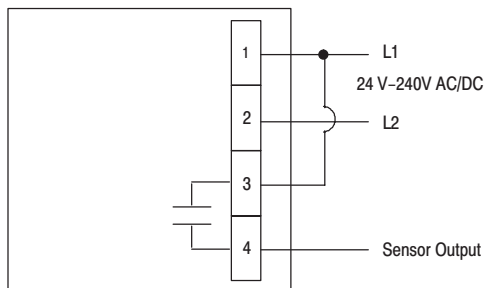


E
1771-ID16

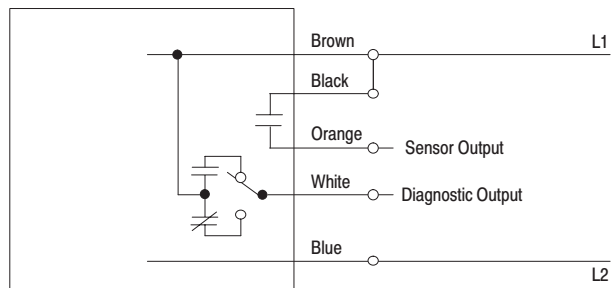


AC

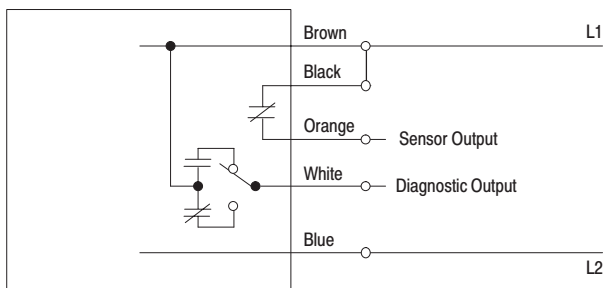
1



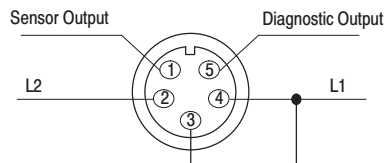
2



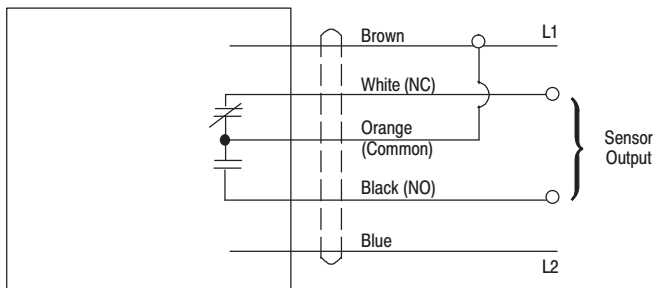
3



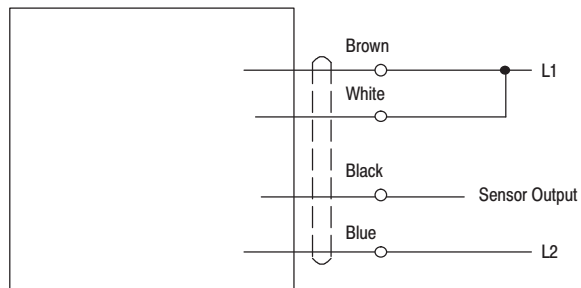
4



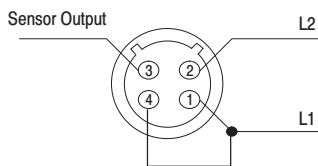
5



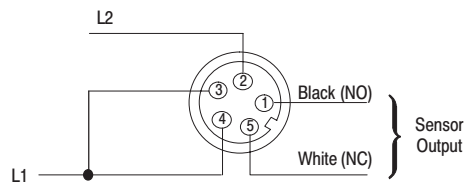
6



7

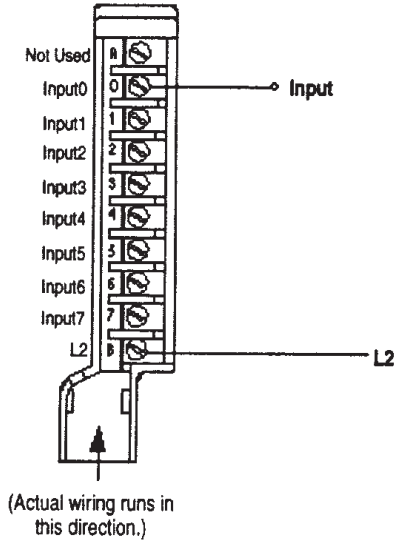


8

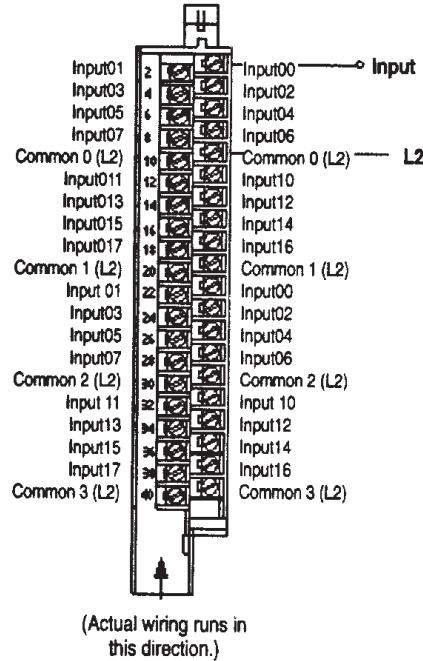


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

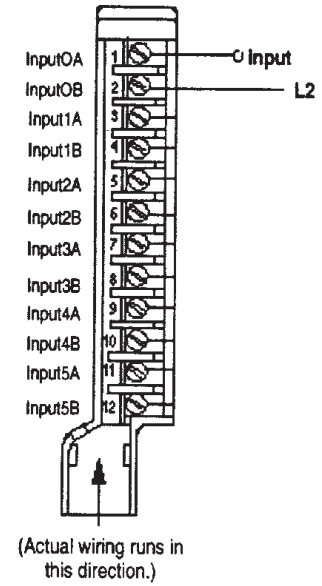
A
1771-IA, IA2, IN, IM



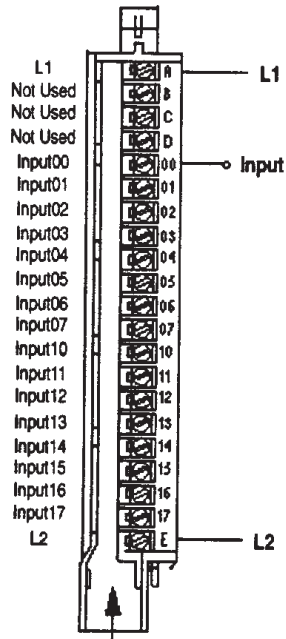
B
1771-IAN



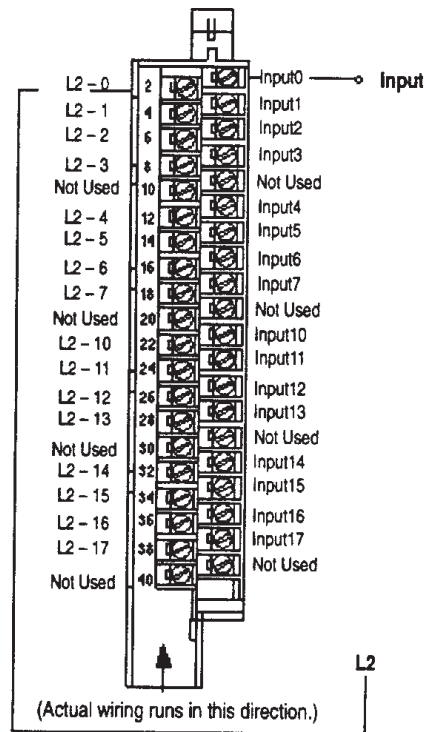
C
1771-ID, ID01



D
1771-IAD, IMD, IND

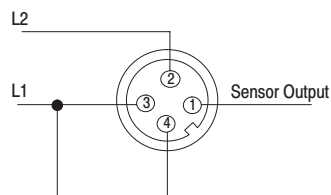


E
1771-ID16

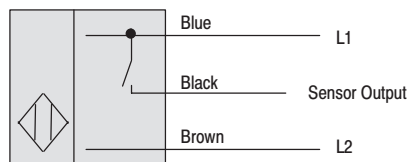


AC

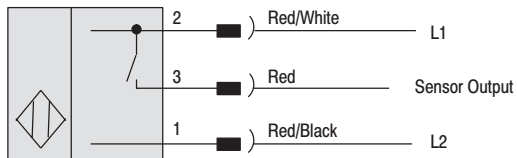
9



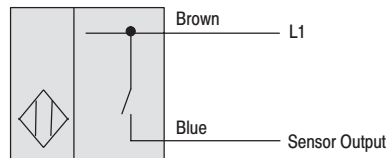
10



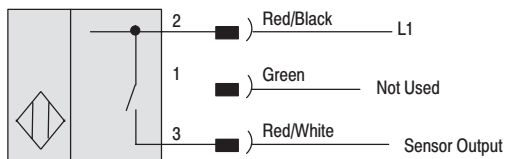
11



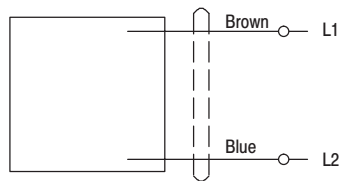
12



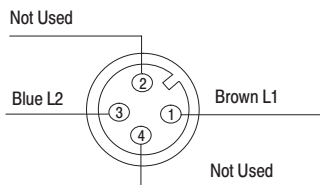
13



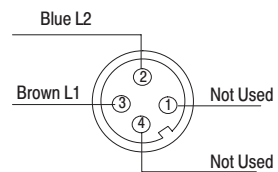
14



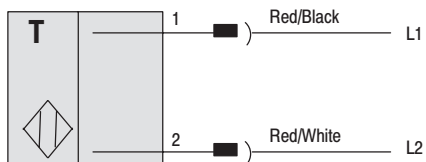
15



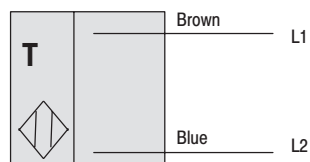
16



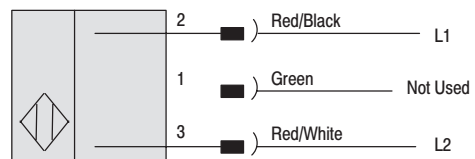
17



18

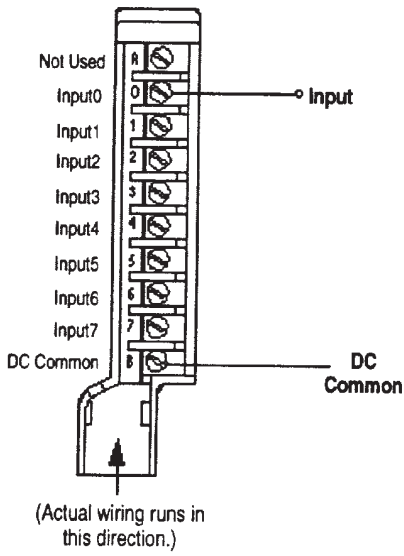


89



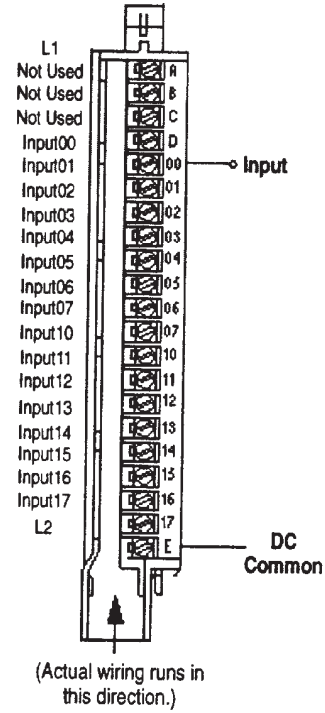
Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

F
1771-IA, IA2, IB, IC, IH, IM, IT

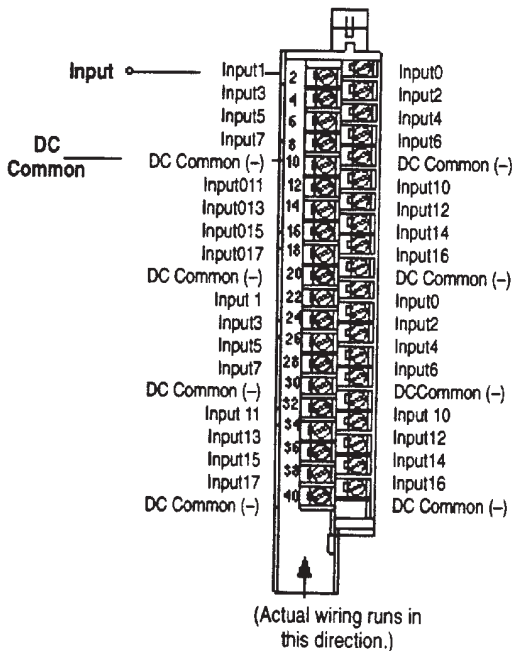


G
1771-IAD, IBD, ICD, IMD

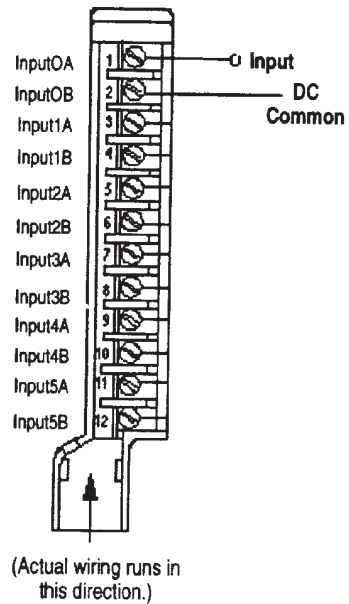
Terminal A must be connected to L1 to balance the line in ungrounded applications or for an additional filtering of noise in grounded systems.



H
1771-IBN

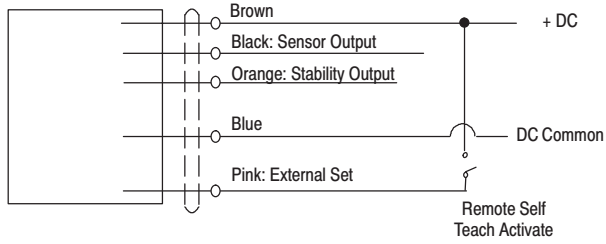


I
1771-ID

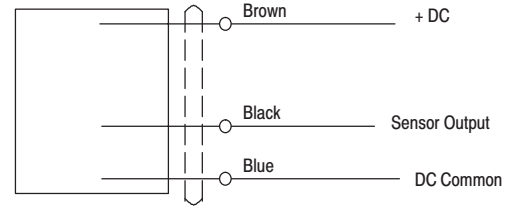


PNP

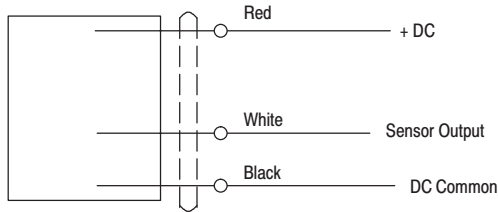
19



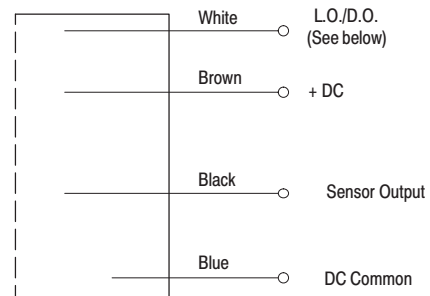
20



21

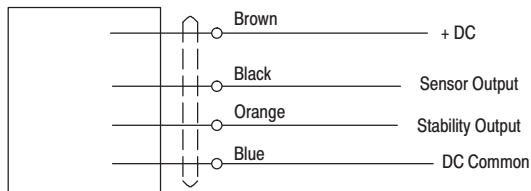


22

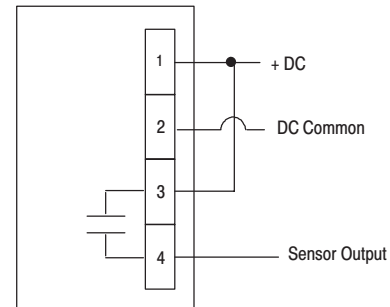


For L.O. connect White to DC Common
For D.O. connect White to +DC

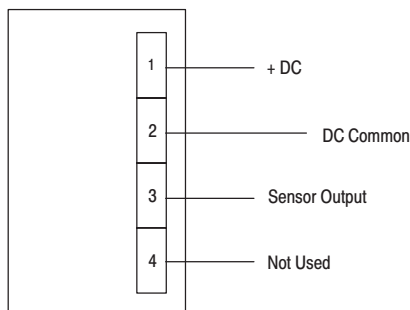
23



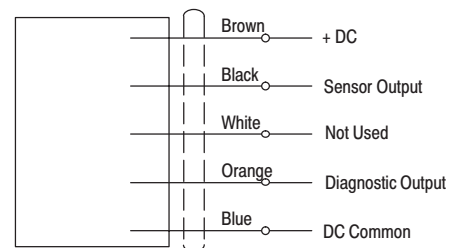
24



25

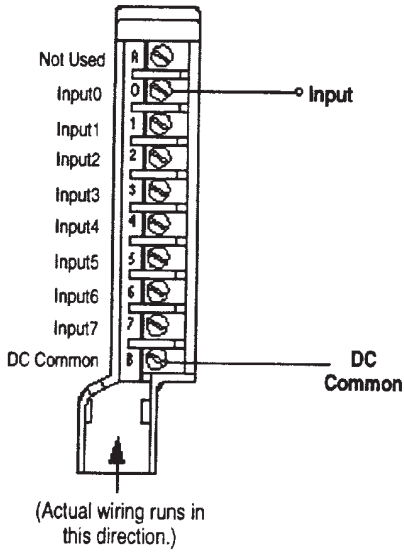


26



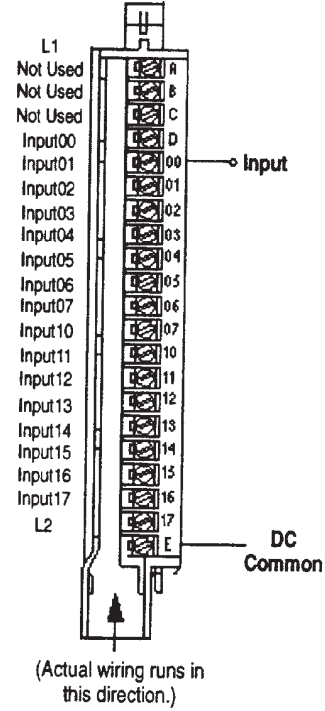
Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

F
1771-IA, IA2, IB, IC, IH, IM, IT

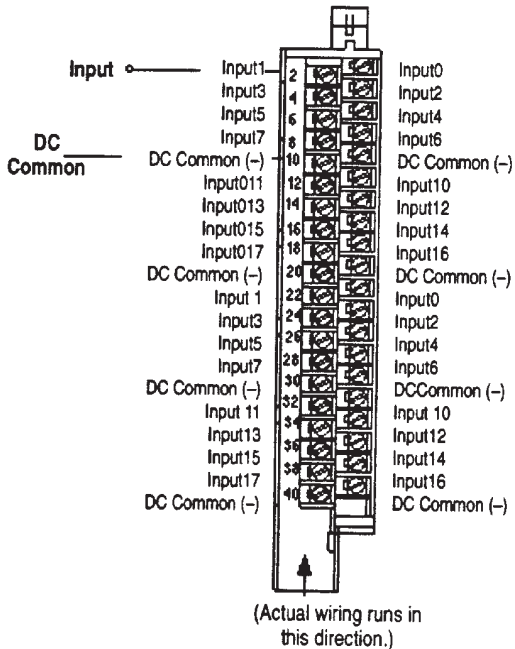


G
1771-IAD, IBD, ICD, IMD

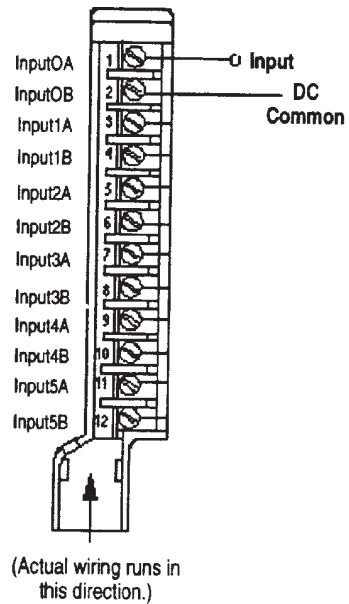
Terminal A must be connected to L1 to balance the line in ungrounded applications or for an additional filtering of noise in grounded systems.



H
1771-IBN

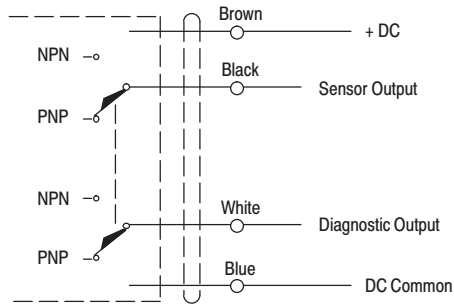


I
1771-ID

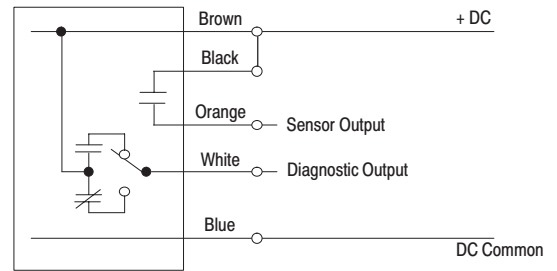


PNP

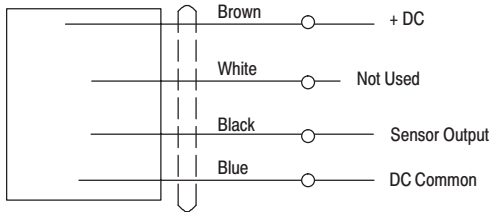
27



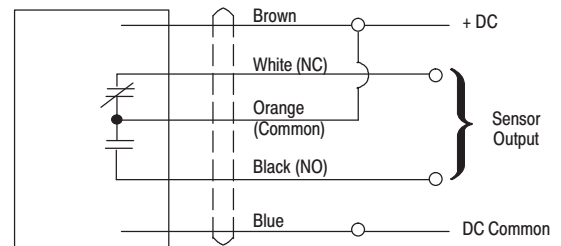
28



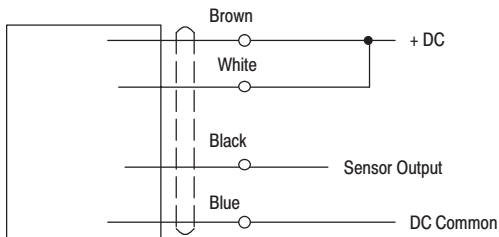
29



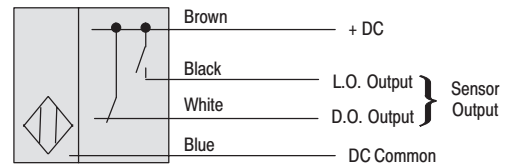
30



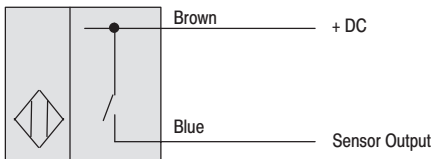
31



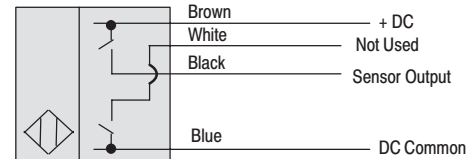
32



33

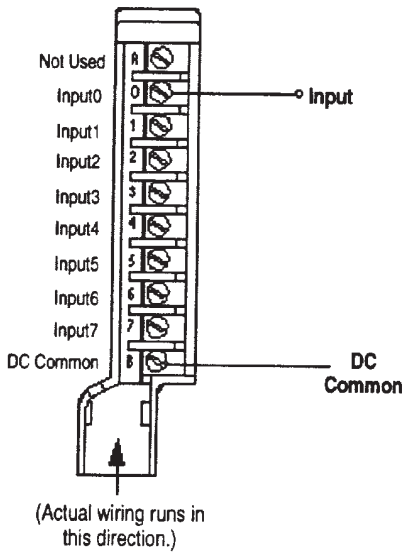


34



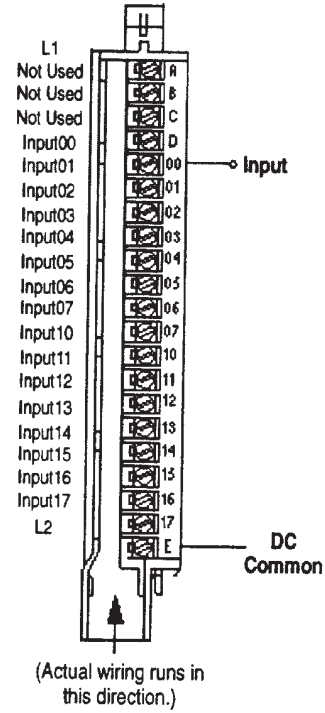
Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

F
1771-IA, IA2, IB, IC, IH, IM, IT

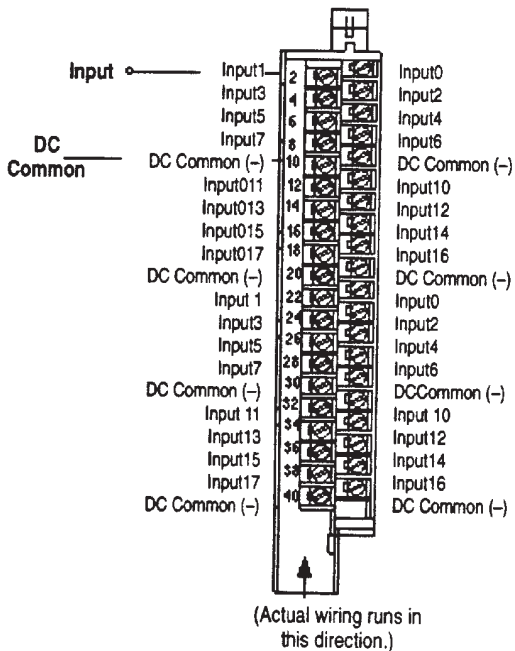


G
1771-IAD, IBD, ICD, IMD

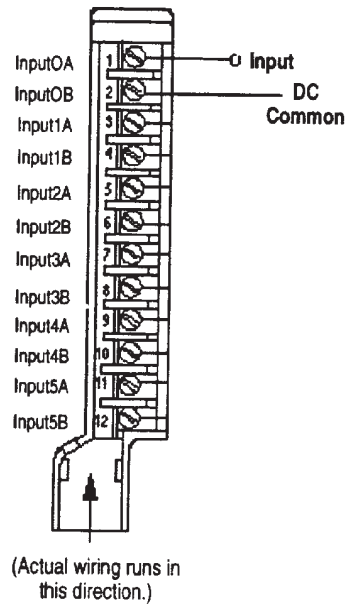
Terminal A must be connected to L1 to balance the line in ungrounded applications or for an additional filtering of noise in grounded systems.



H
1771-IBN

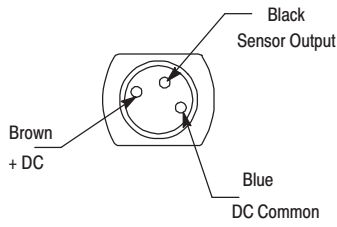


I
1771-ID

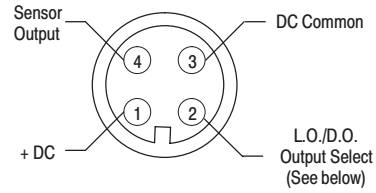


PNP

35

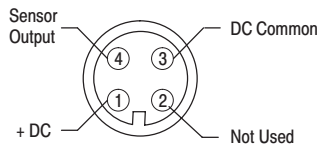


36

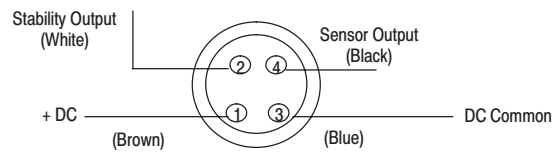


For L.O. connect pin 2 to DC Common
For D.O. connect pin 2 to +DC

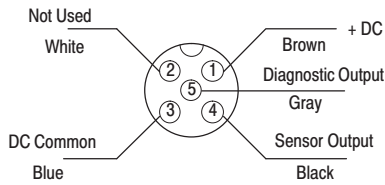
37



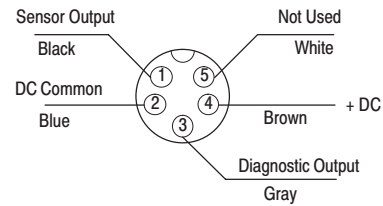
38



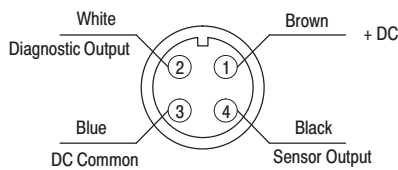
39



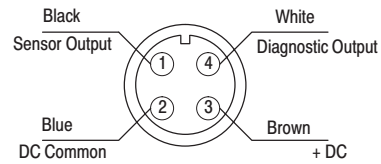
40



41

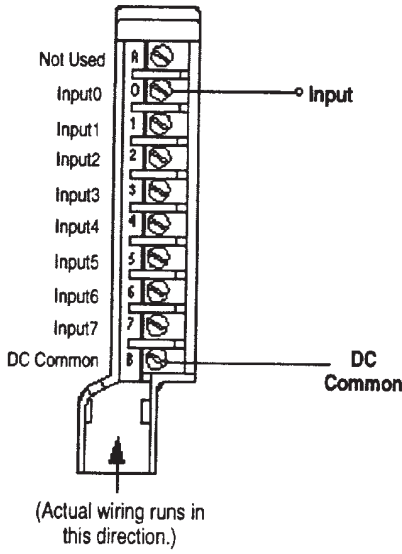


42



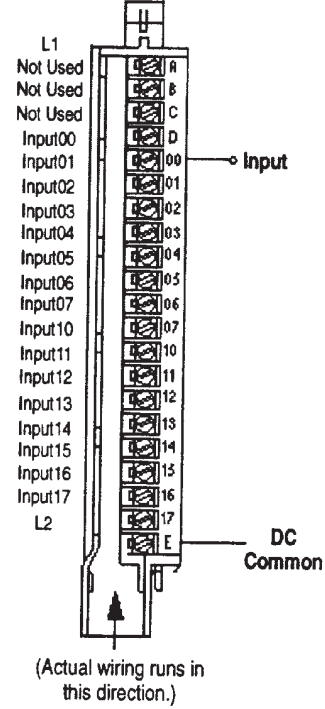
Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

F
1771-IA, IA2, IB, IC, IH, IM, IT

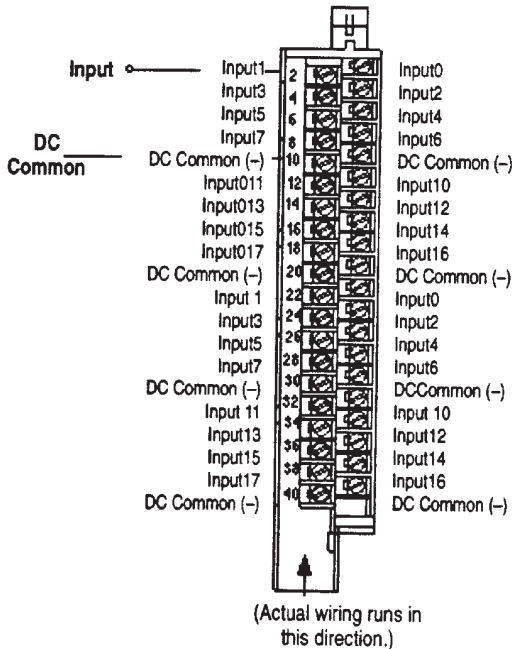


G
1771-IAD, IBD, ICD, IMD

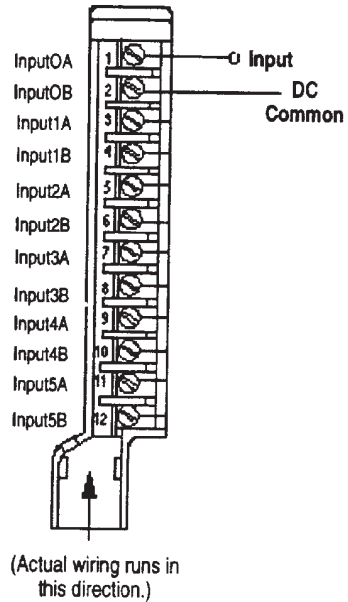
Terminal A must be connected to L1 to balance the line in ungrounded applications or for an additional filtering of noise in grounded systems.



H
1771-IBN

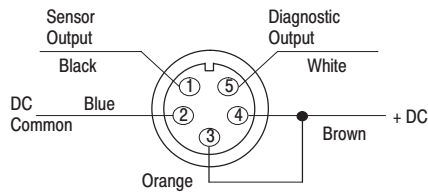


I
1771-ID

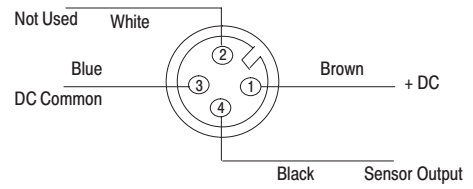


PNP

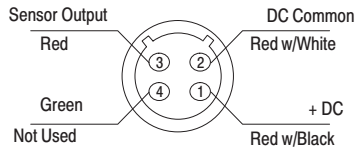
43



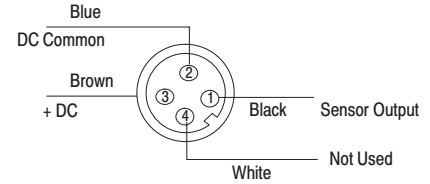
44



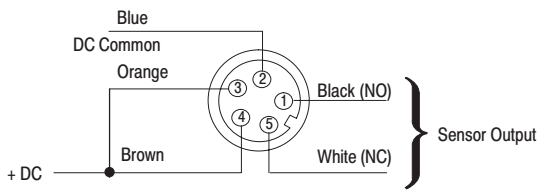
45



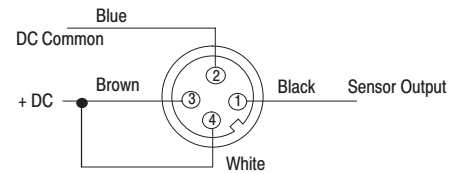
46



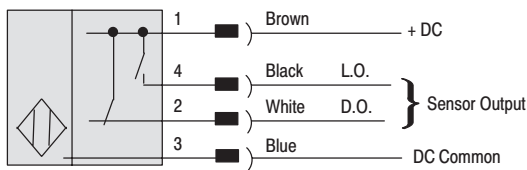
47



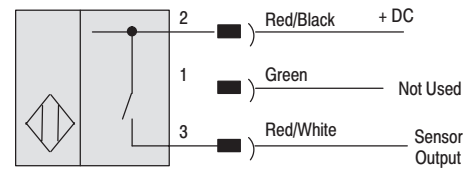
48



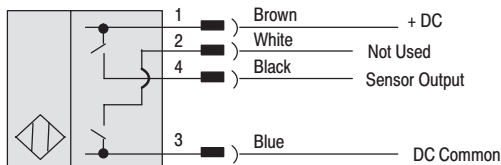
49



50

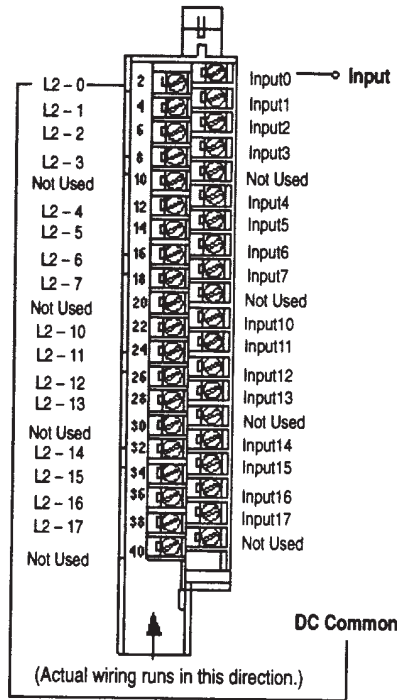


51

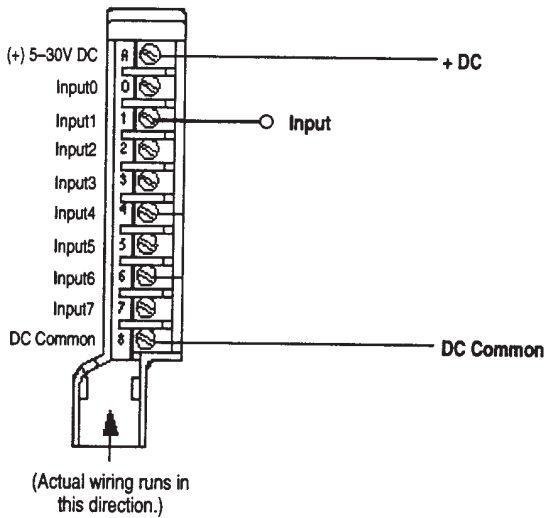


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

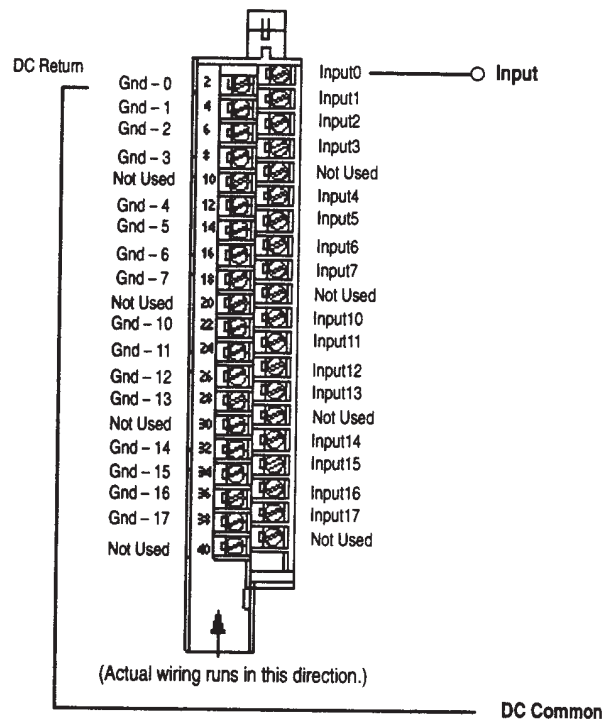
J
1771-ID16



K
1771-IQ

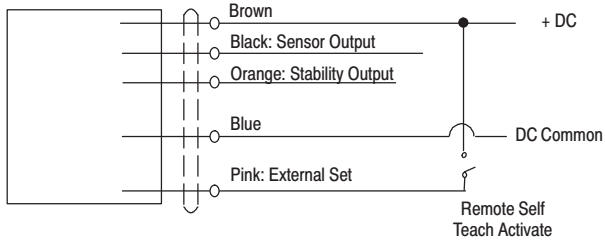


L
1771-IQ16

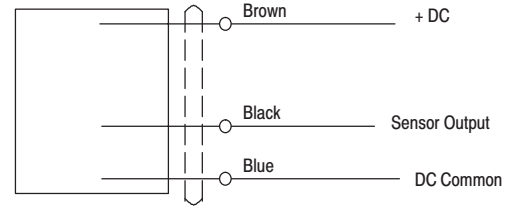


PNP

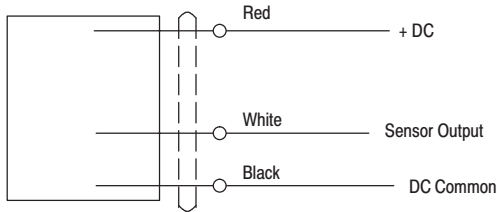
19



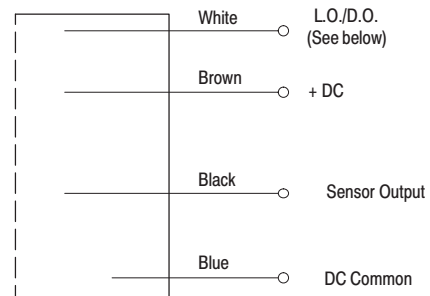
20



21

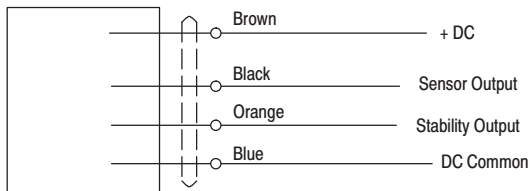


22

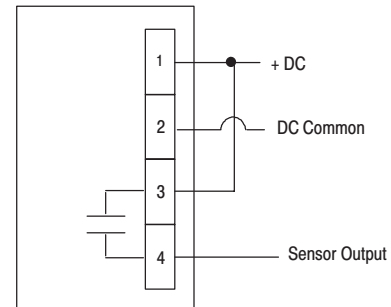


For L.O. connect White to DC Common
For D.O. connect White to +DC

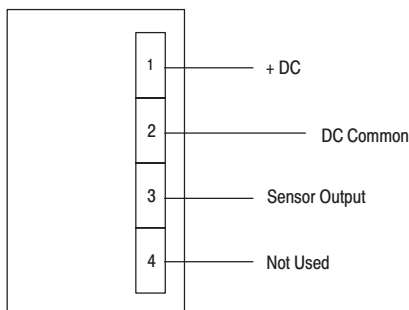
23



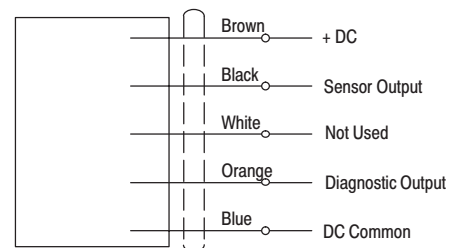
24



25

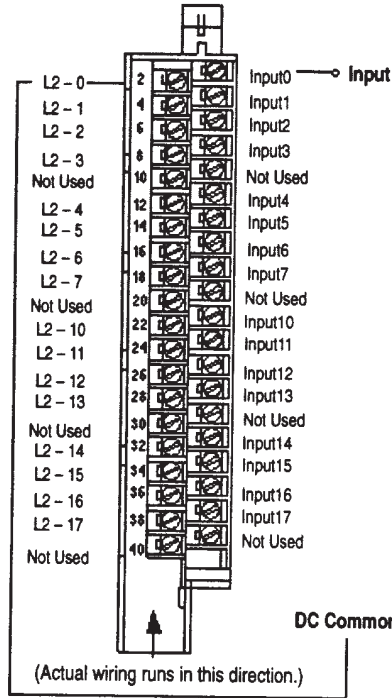


26

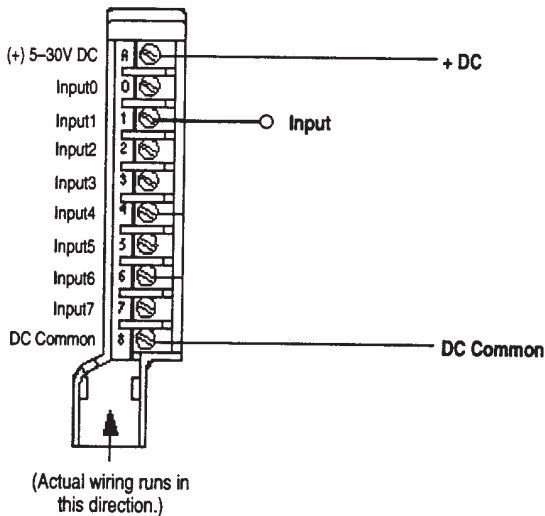


Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

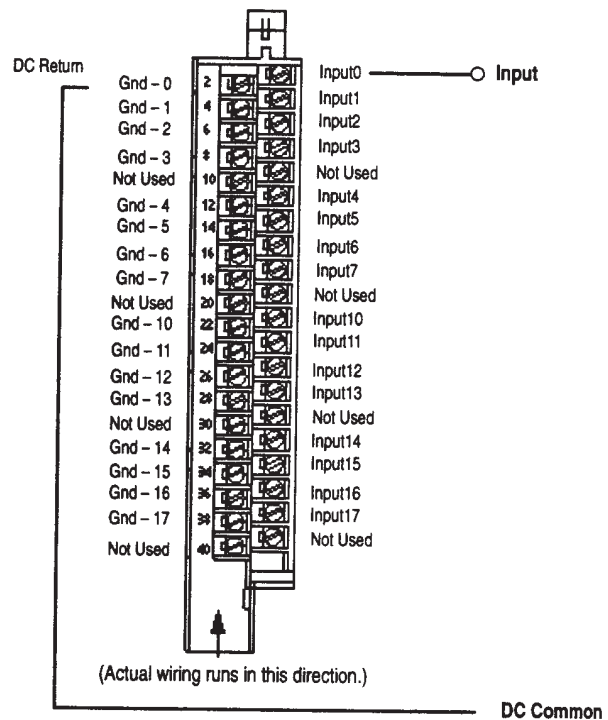
J
1771-ID16



K
1771-IQ

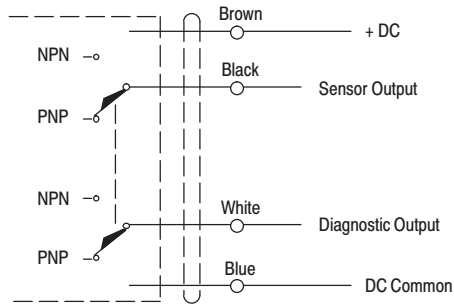


L
1771-IQ16

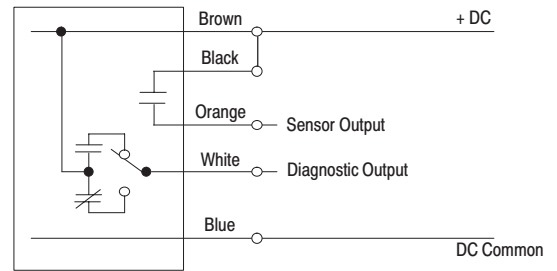


PNP

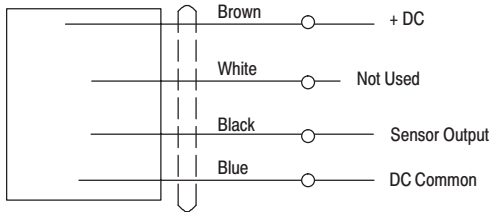
27



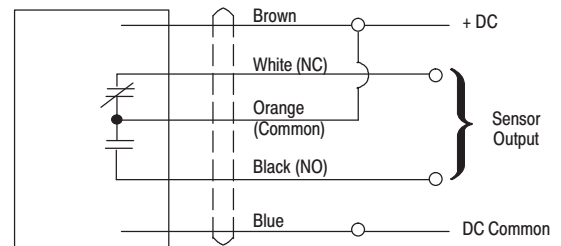
28



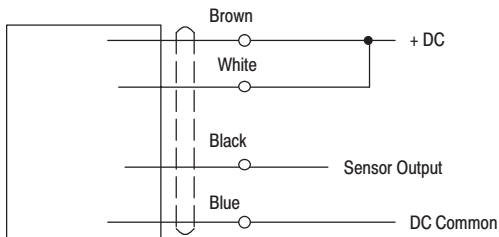
29



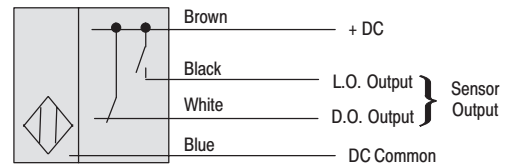
30



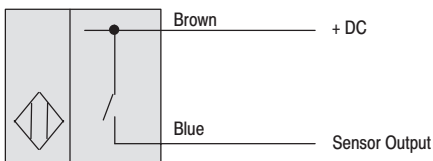
31



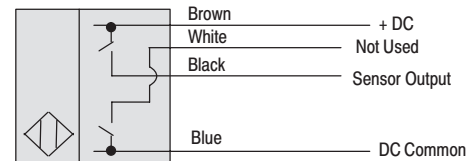
32



33

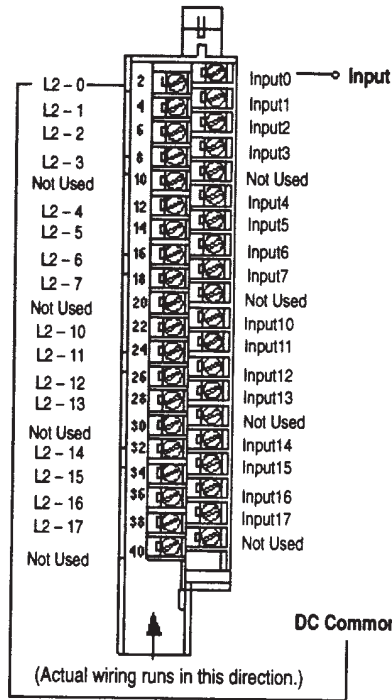


34

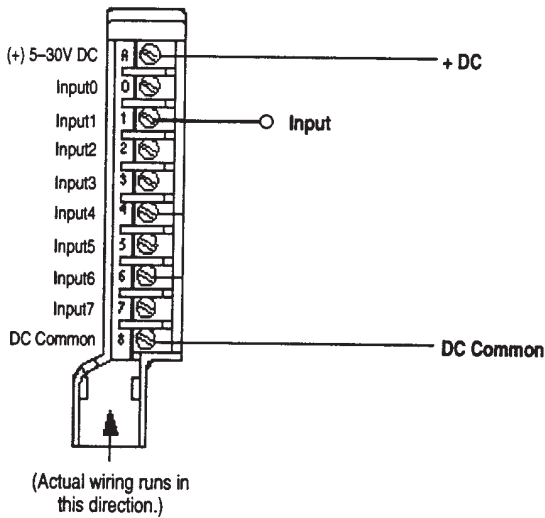


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

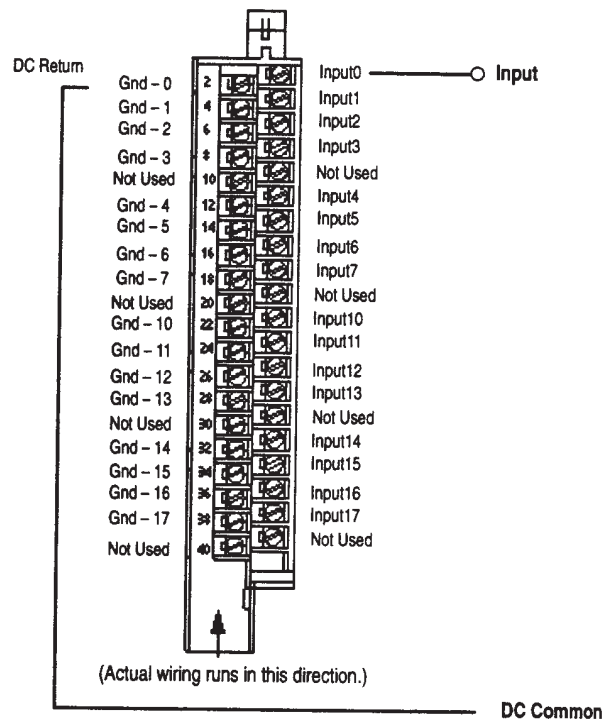
J
1771-ID16



K
1771-IQ

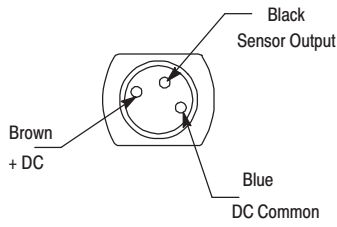


L
1771-IQ16

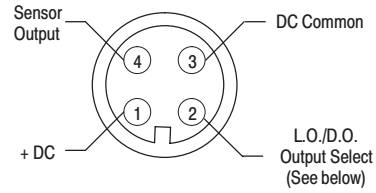


PNP

35

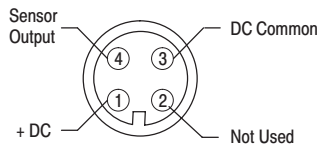


36

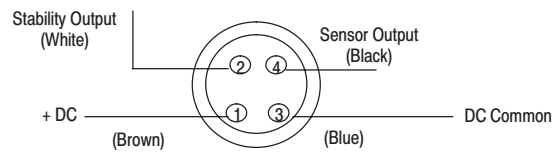


For L.O. connect pin 2 to DC Common
For D.O. connect pin 2 to +DC

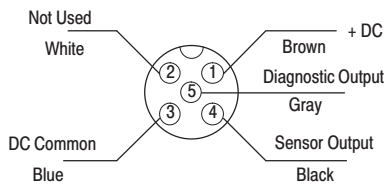
37



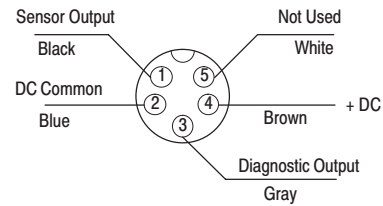
38



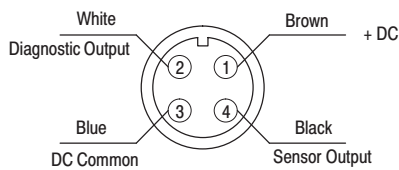
39



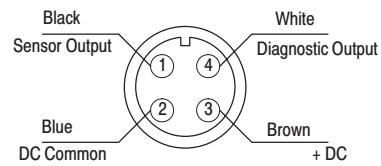
40



41

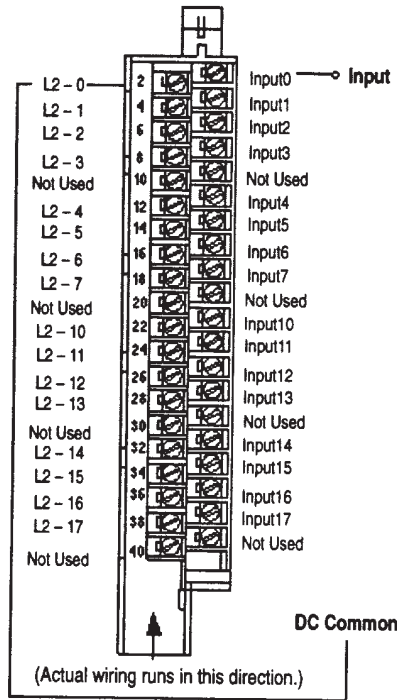


42

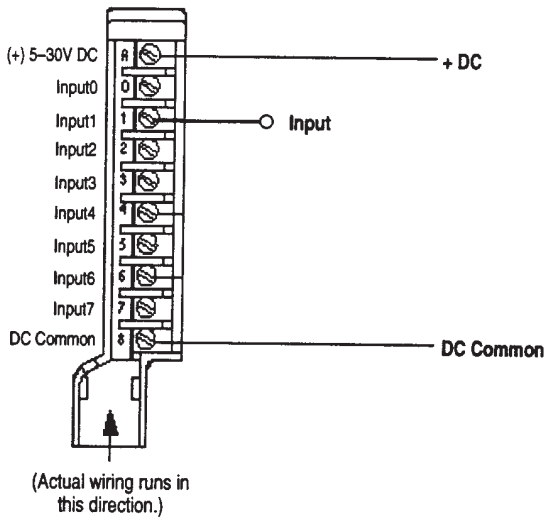


Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

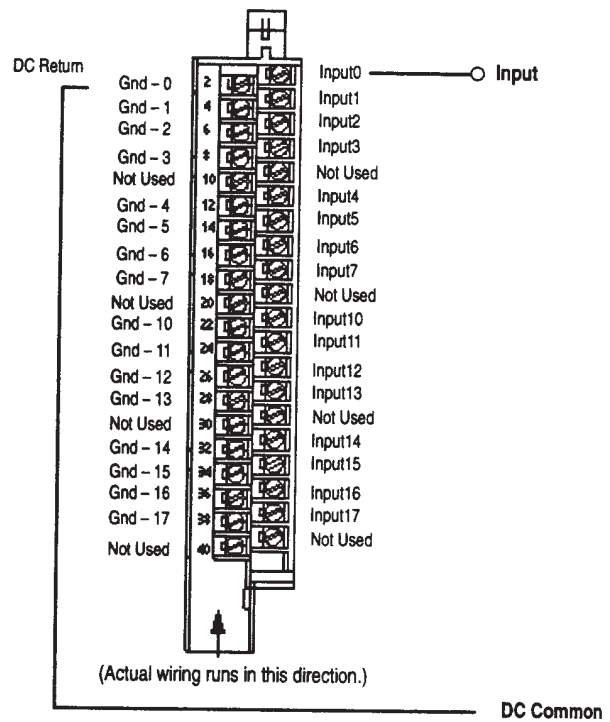
J
1771-ID16



K
1771-IQ

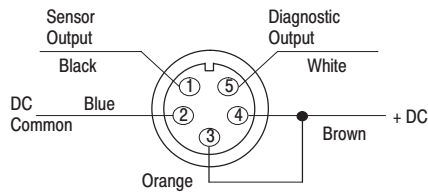


L
1771-IQ16

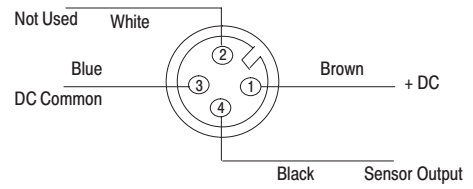


PNP

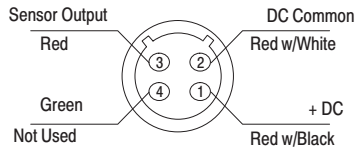
43



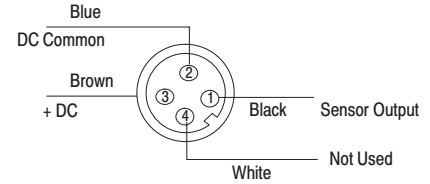
44



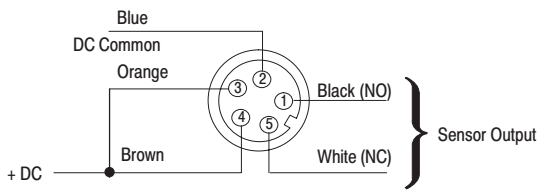
45



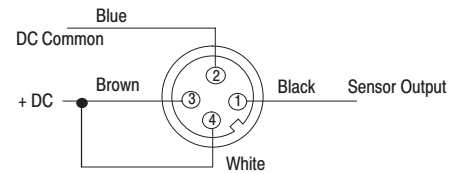
46



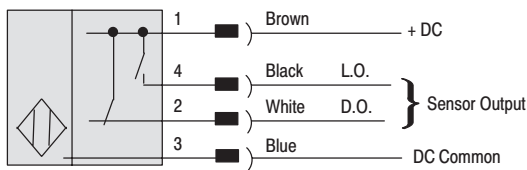
47



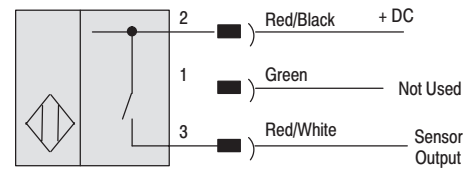
48



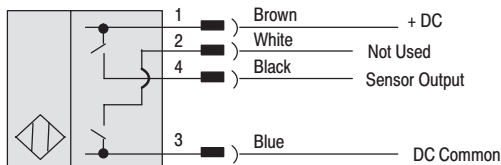
49



50

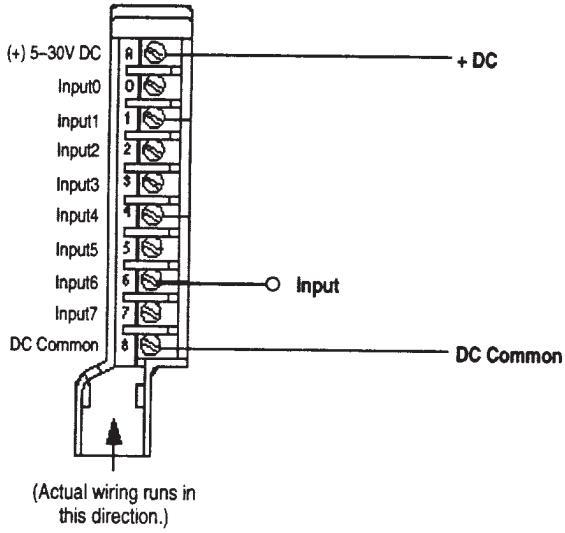


51

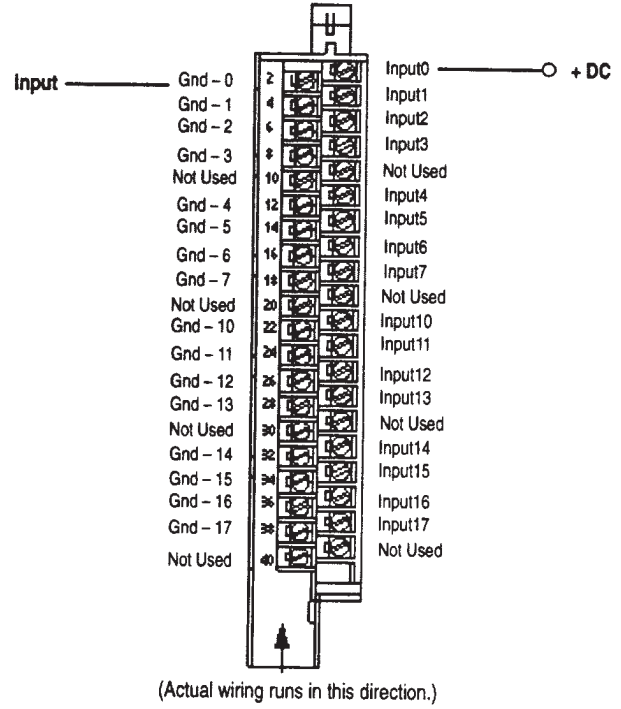


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

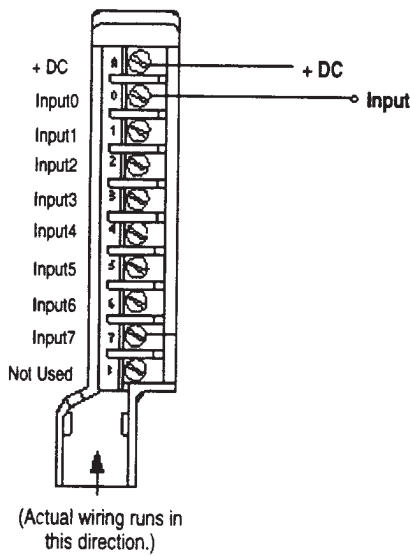
M
1771-IQ



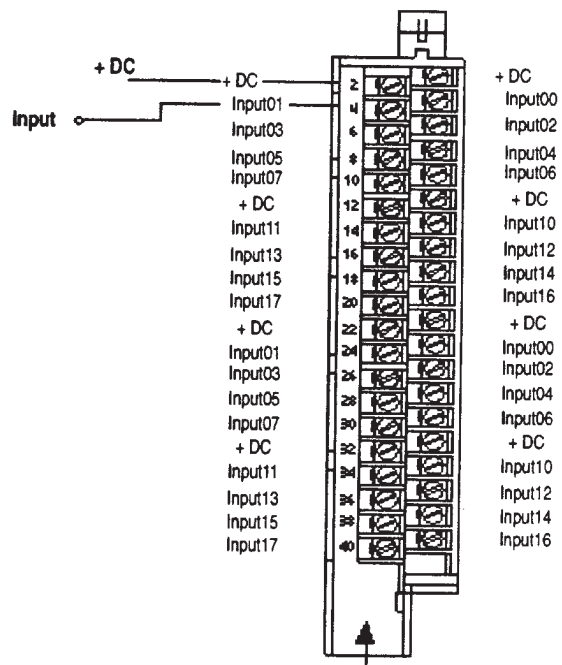
N
1771-IQ16



O
1771-IV

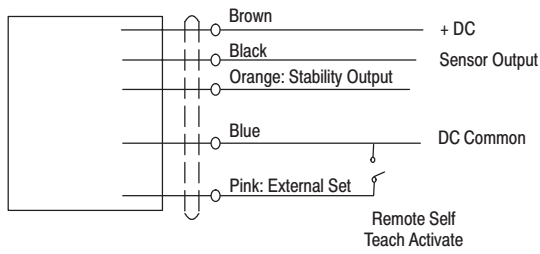


P
1771-IVN

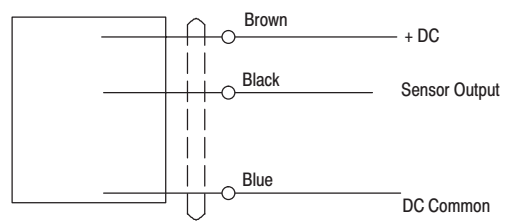


NPN

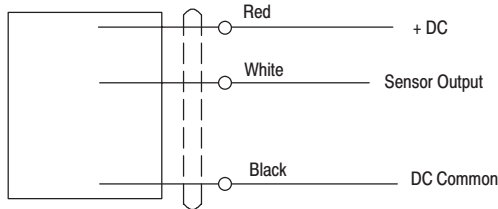
52



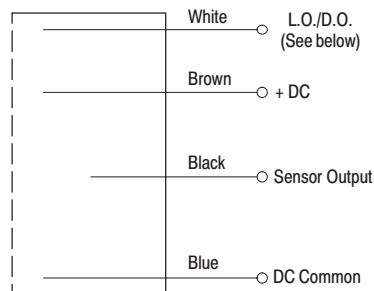
53



54

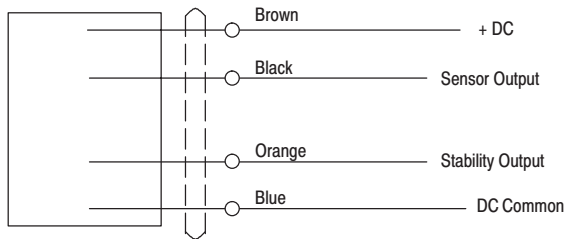


55

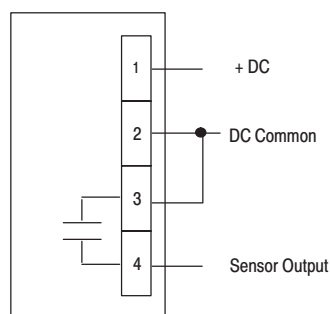


For L.O. connect White to DC Common
For D.O. connect White to +DC

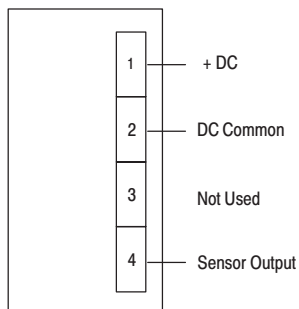
56



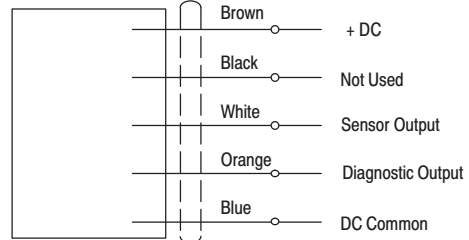
57



58

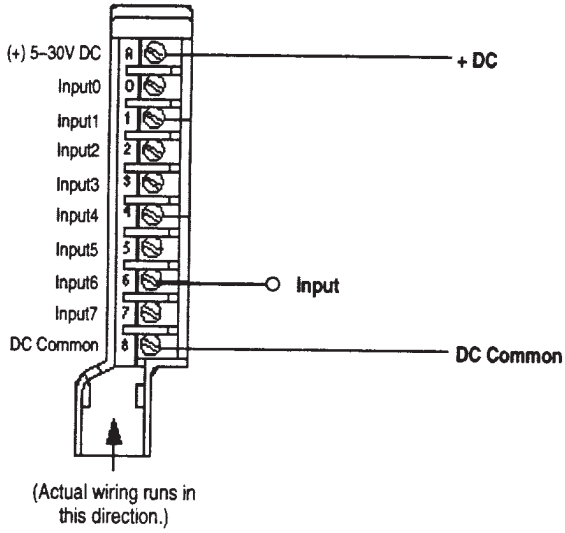


59

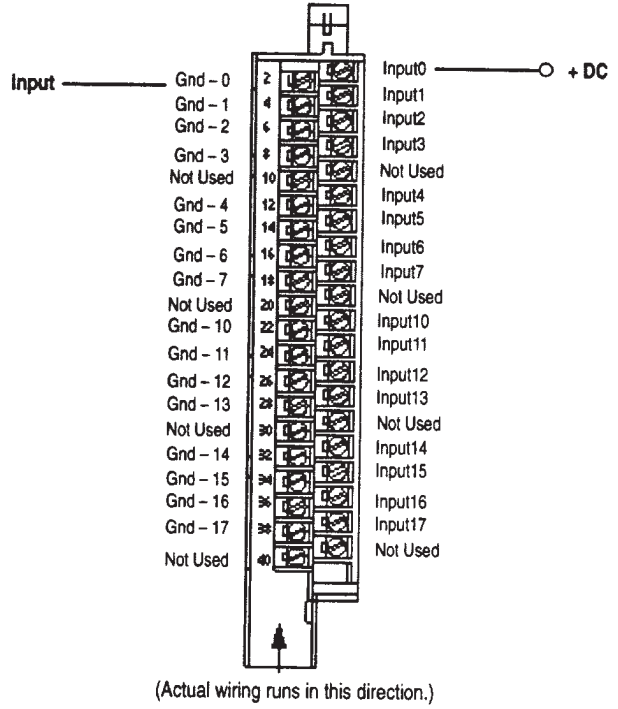


Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

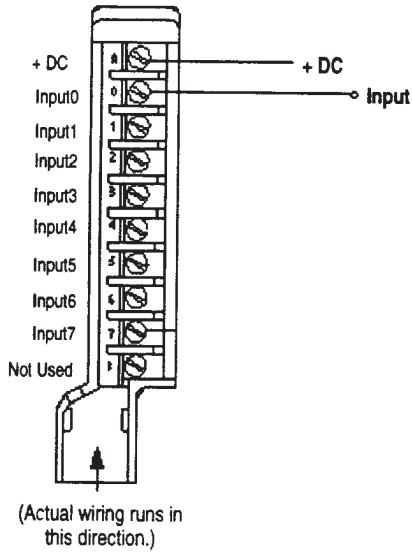
M
1771-IQ



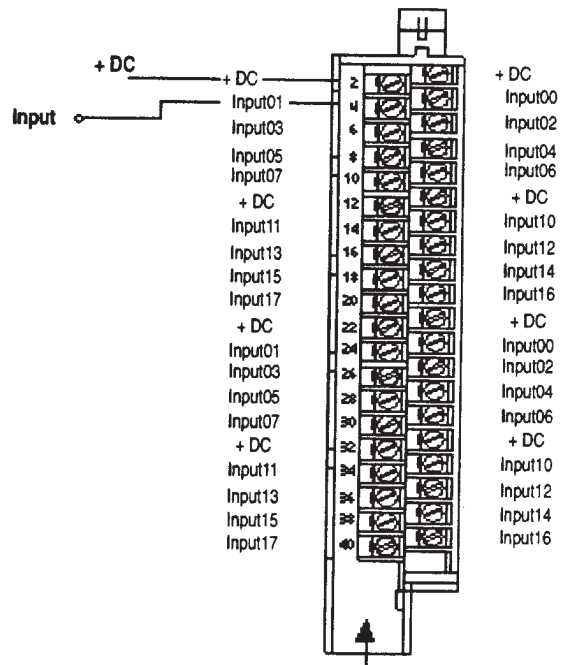
N
1771-IQ16



O
1771-IV

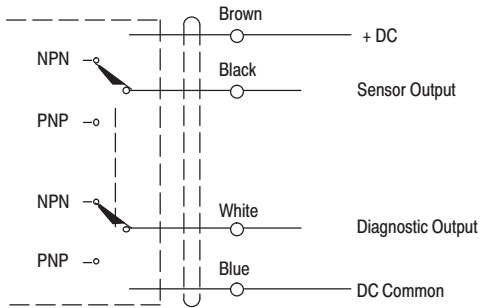


P
1771-IVN

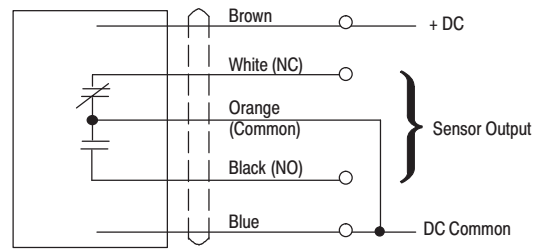


NPN

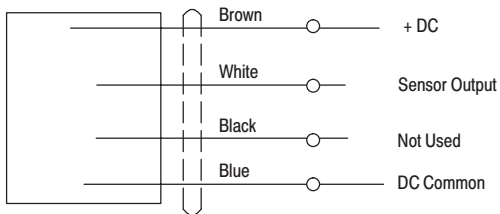
60



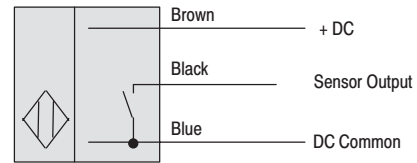
61



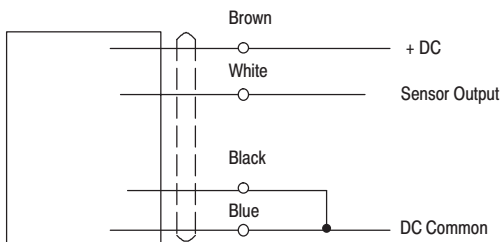
62



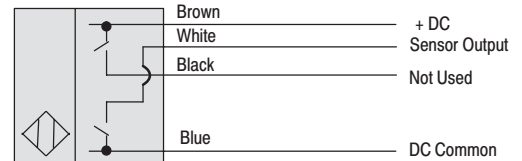
63



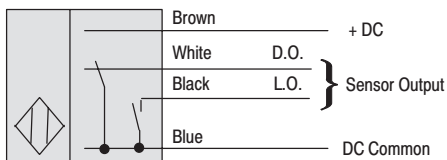
64



65

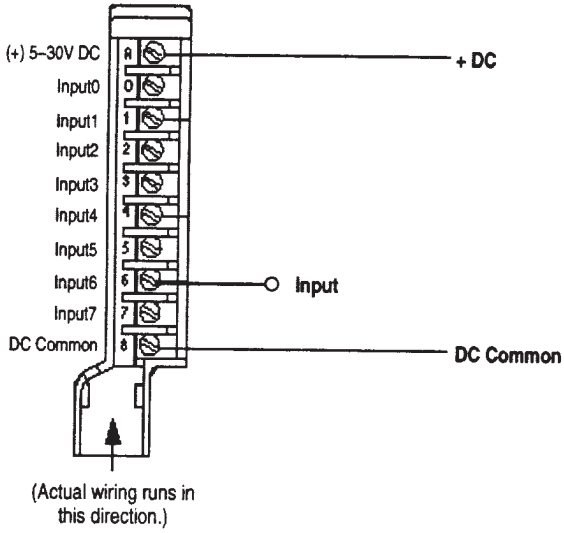


66

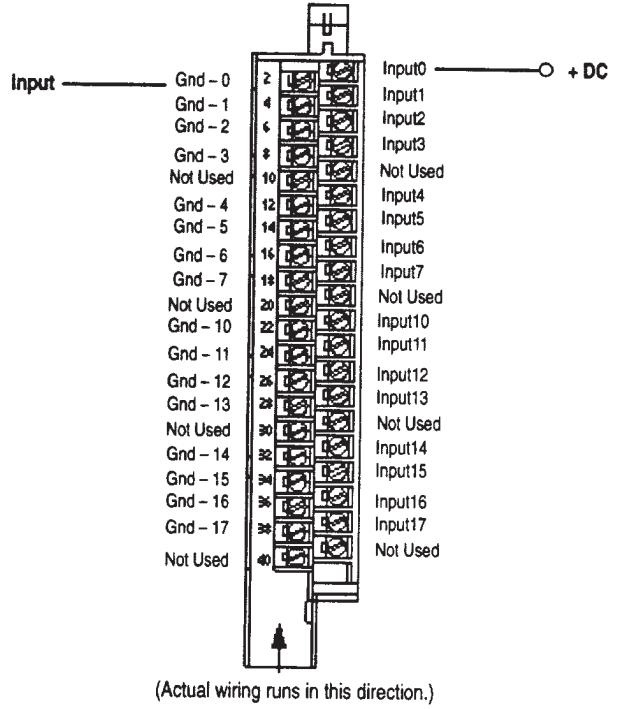


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

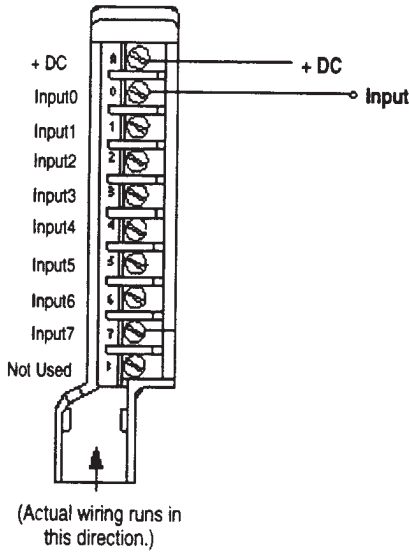
M
1771-IQ



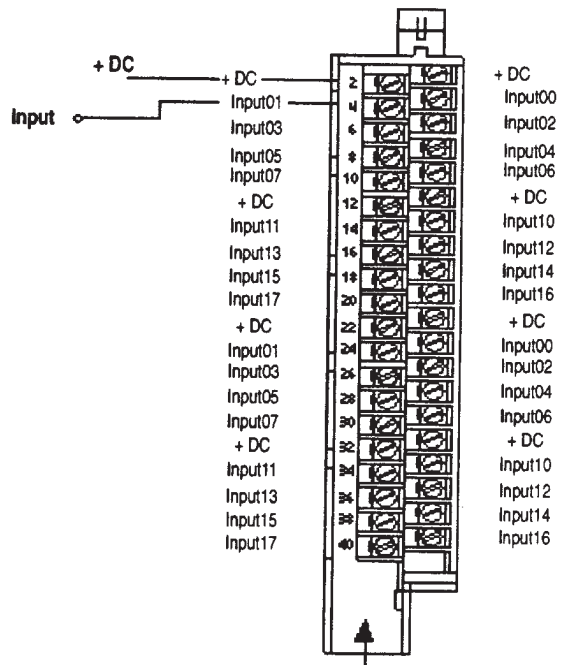
N
1771-IQ16



O
1771-IV

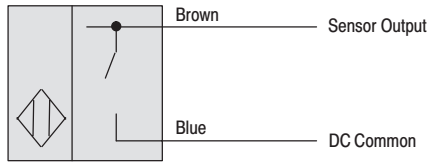


P
1771-IVN

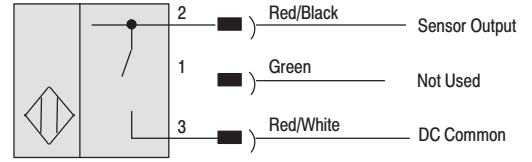


NPN

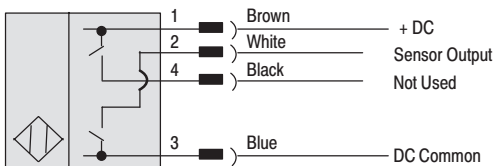
67



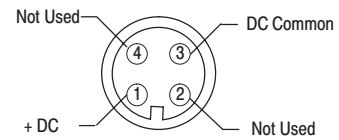
68



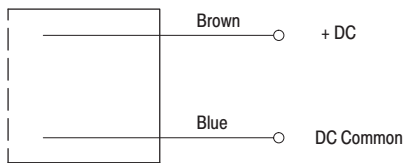
69



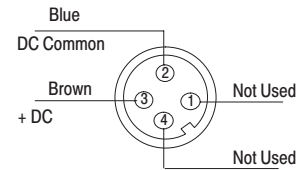
70



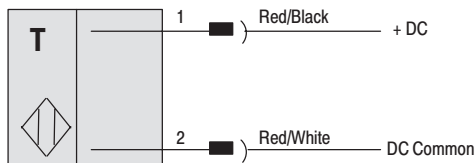
71



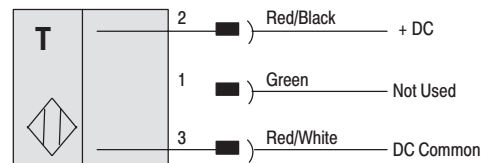
72



73

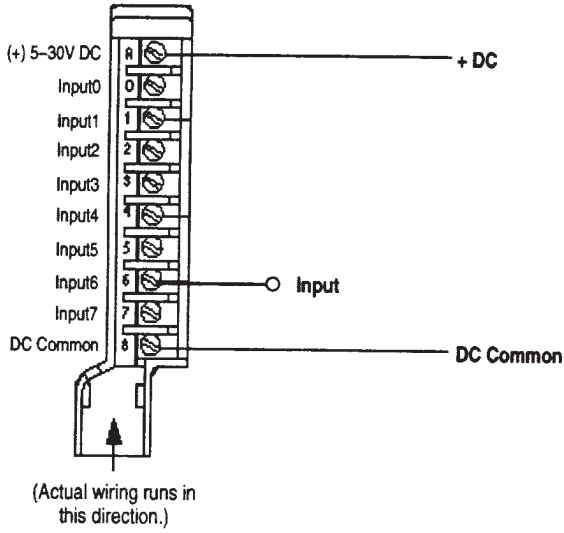


74

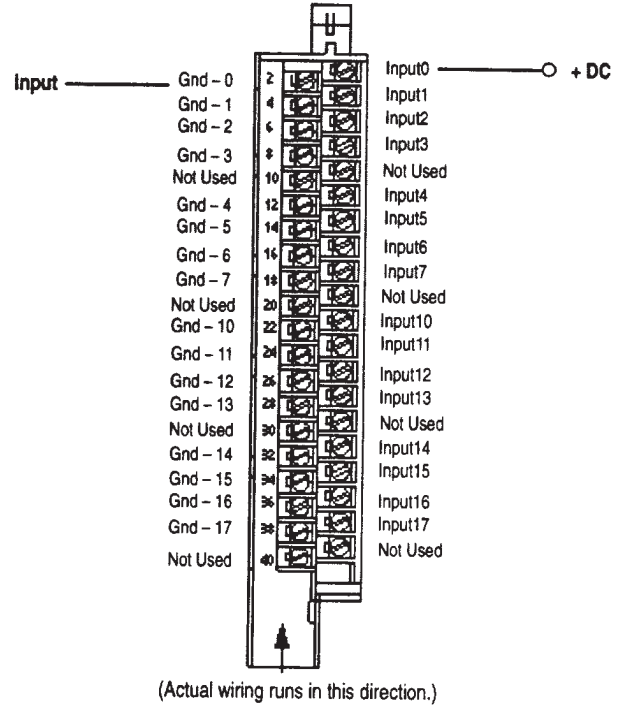


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

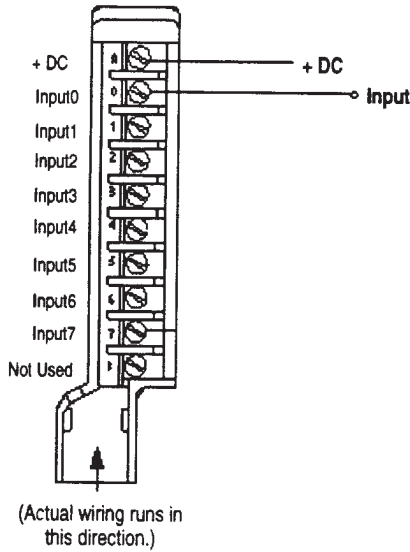
M
1771-IQ



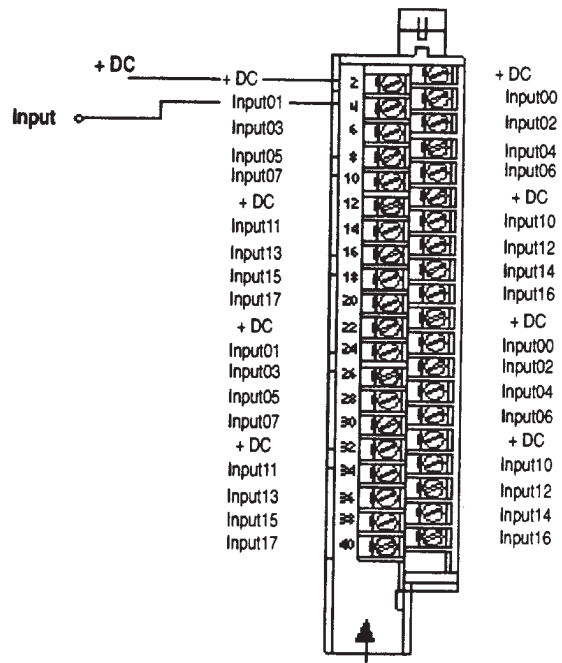
N
1771-IQ16



O
1771-IV

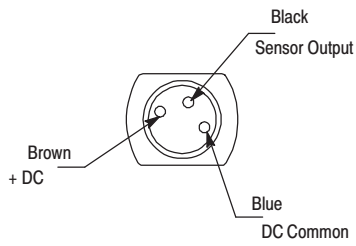


P
1771-IVN

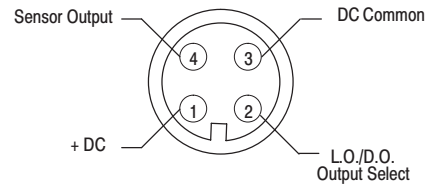


NPN

75

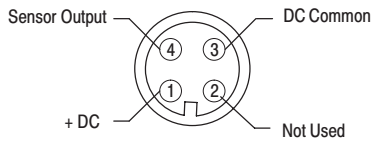


76

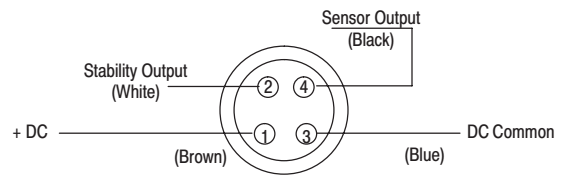


For L.O. connect pin 2 to DC Common
For D.O. connect pin 2 to +DC

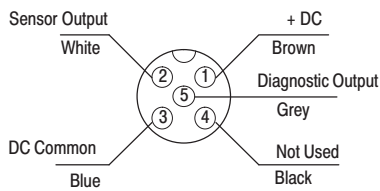
77



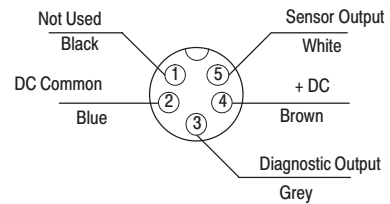
78



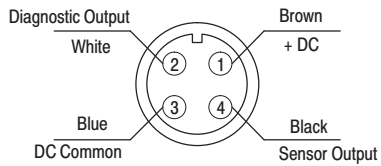
79



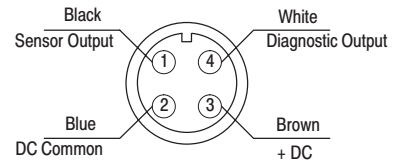
80



81

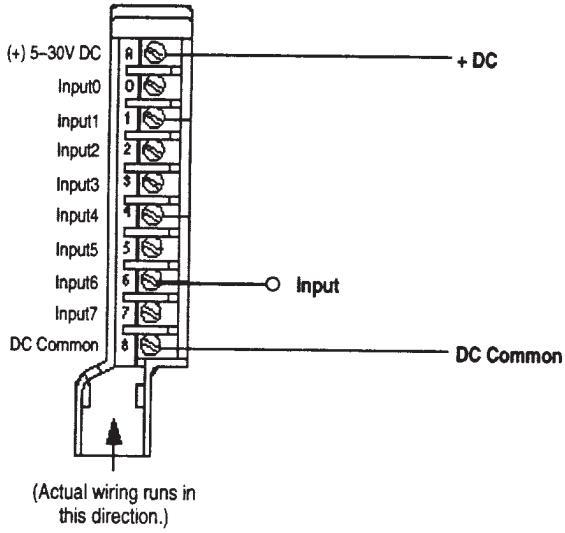


82

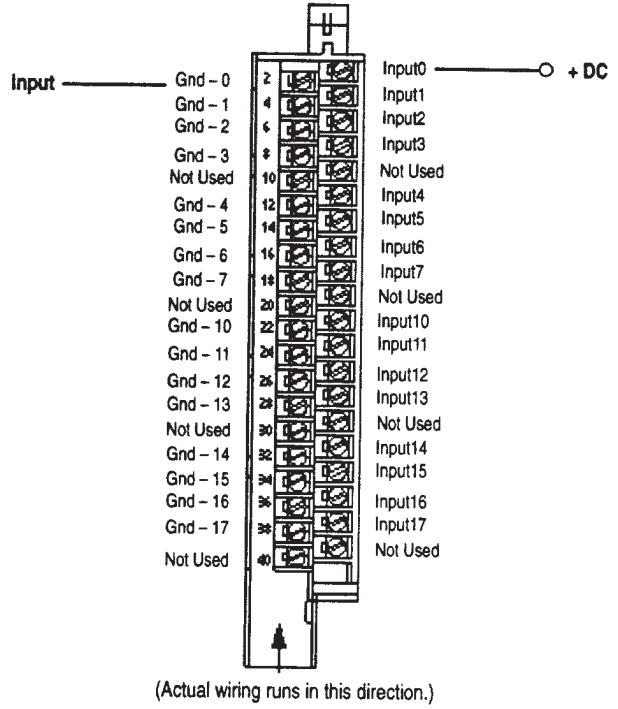


Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

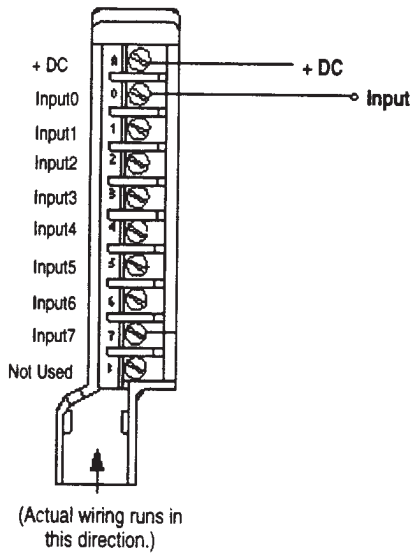
M
1771-IQ



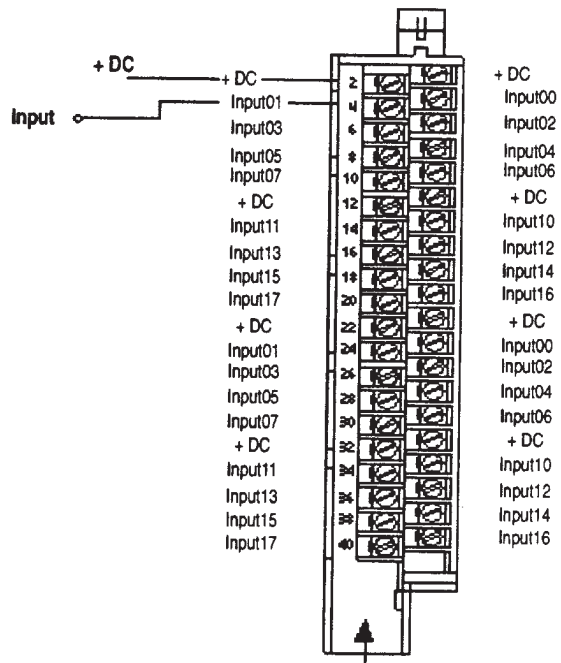
N
1771-IQ16



O
1771-IV

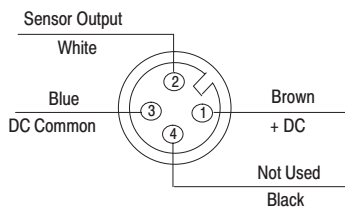


P
1771-IVN

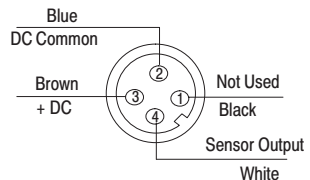


NPN

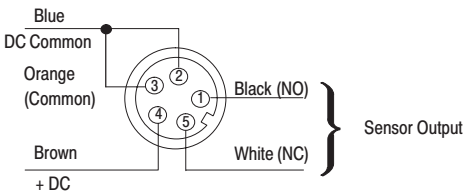
83



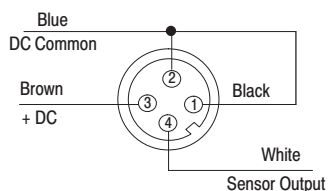
84



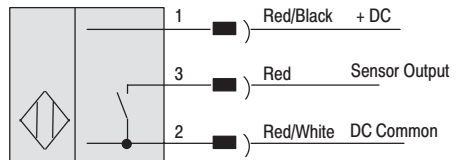
85



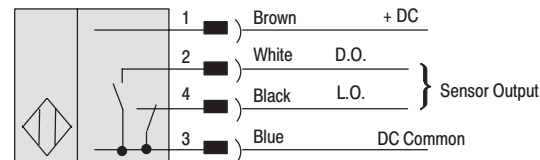
86



87



88



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



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

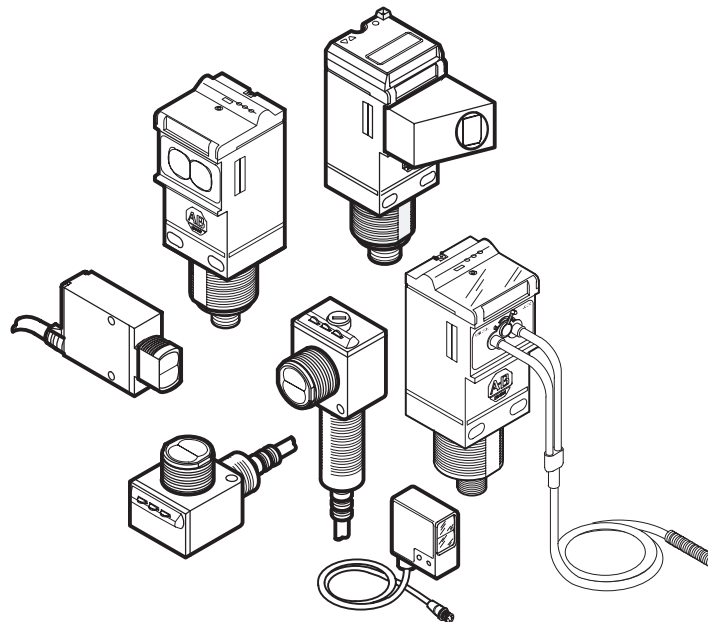


Table of Contents—Part I

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																					
Sensor Type	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-IMA,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																					
Sensor Type	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																					
Sensor Type	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						
							H40	I40	K40	L40	M40	N40	O40	P40	J40							
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							
								H20	I20	K20	L20	M20	N20	O20	P20	J20						
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																					
Sensor Type	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

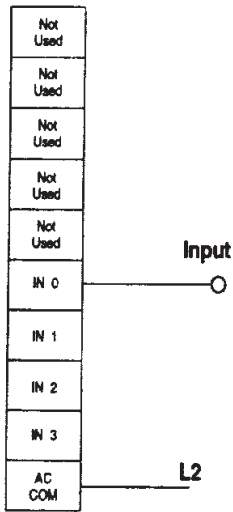
Wiring Diagram Index

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					
	B12	A12	C12	F12	E12	D12	G12	H33	I33	K33	L33	M33	N33	O33	P33	J33	R67	Q67	T67	U67	S67
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
42KL-P2TC-G3	B13	A13	C13	F13	E13	D13	G13	H50	I50	K50	L50	M50	N50	O50	P50	J50	R68	Q68	T68	U68	S68
42KL-RLB-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-RLB-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-RLBQ-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-RLBQ-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-RTC-A2	B12	A12	C12	F12	E12	D12	G12	H33	I33	K33	L33	M33	N33	O33	P33	J33	R67	Q67	T67	U67	S67
42KL-RTC-G3	B13	A13	C13	F13	E13	D13	G13	H50	I50	K50	L50	M50	N50	O50	P50	J50	R68	Q68	T68	U68	S68
42KL-U2LB-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-U2LB-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69
42KL-U2LBQ-A2								H34	I34	K34	L34	M34	N34	O34	P34	J34	R65	Q65	T65	U65	S65
42KL-U2LBQ-F4								H51	I51	K51	L51	M51	N51	O51	P51	J51	R69	Q69	T69	U69	S69

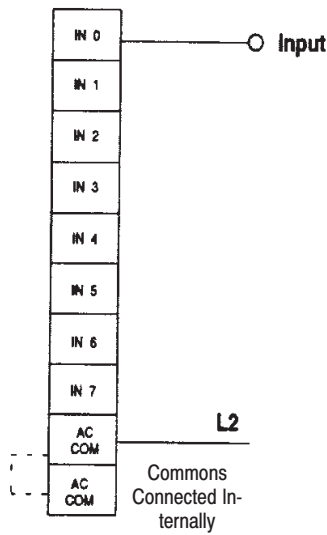
Wiring Diagram Index

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-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														

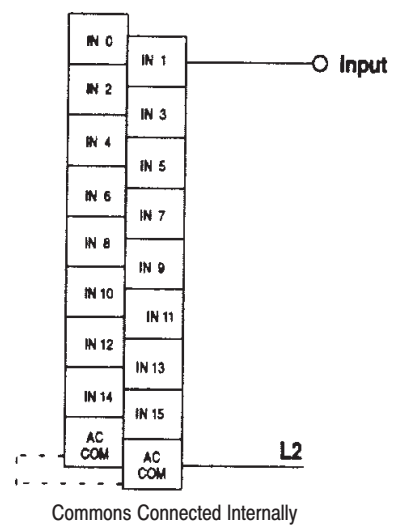
A
1746-IA4



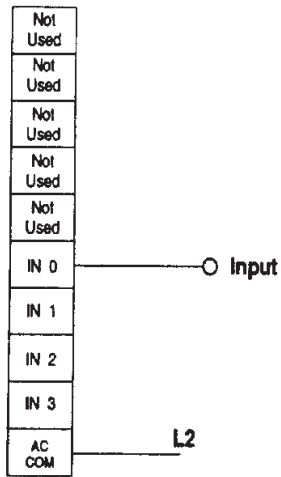
1746-IA8



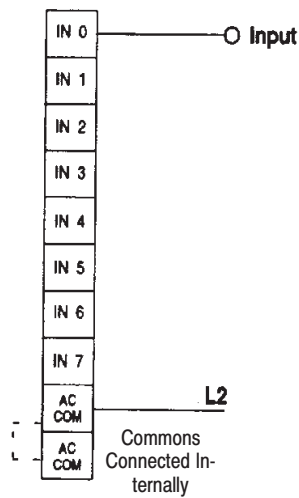
1746-IA16



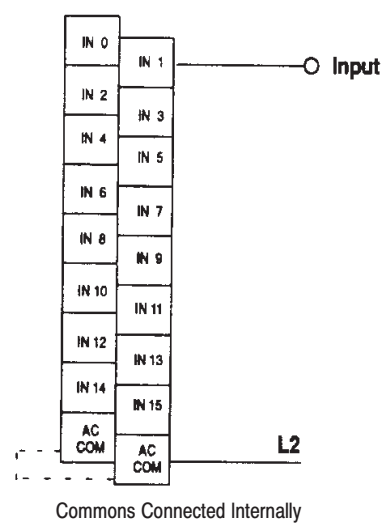
B
1746-IM4



1746-IM8

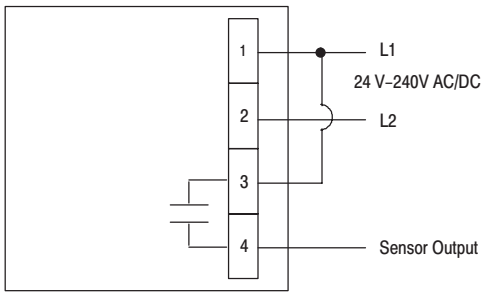


1746-IM16

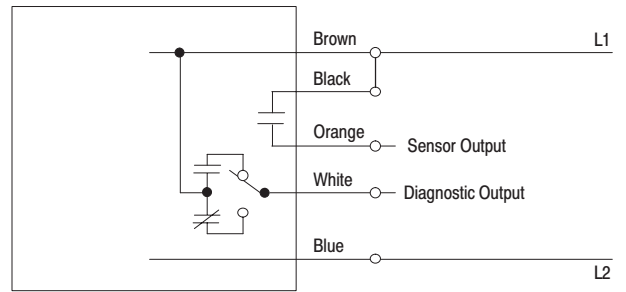


AC

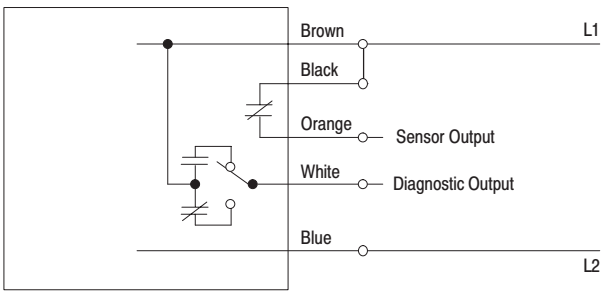
1



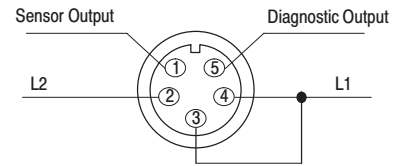
2



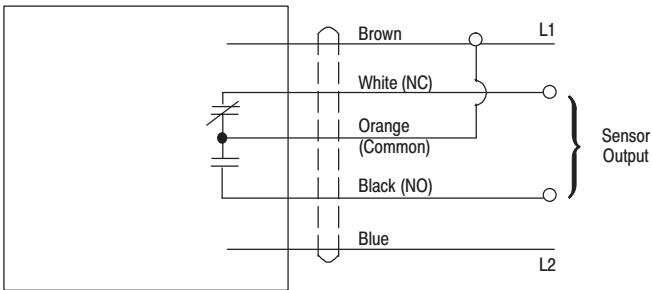
3



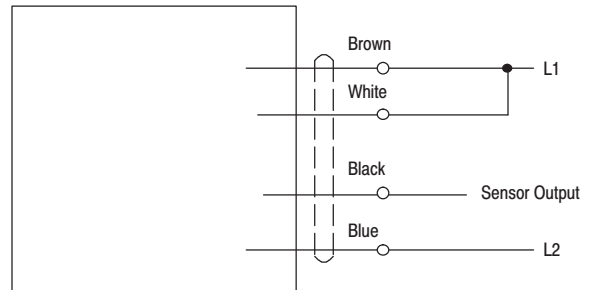
4



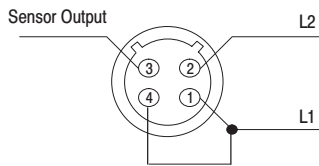
5



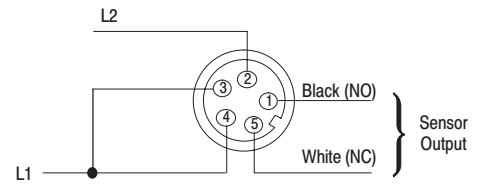
6



7

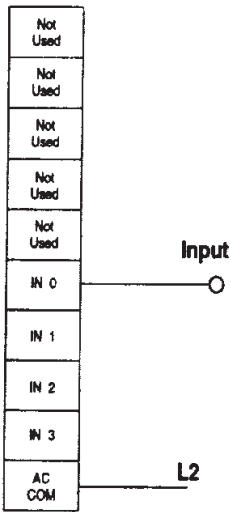


8

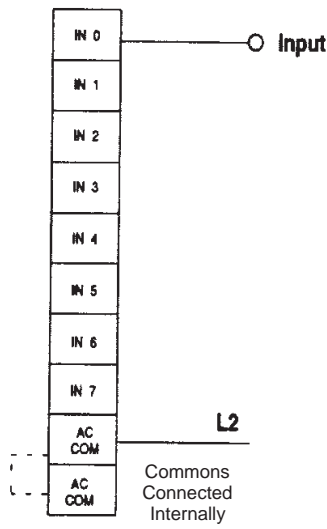


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

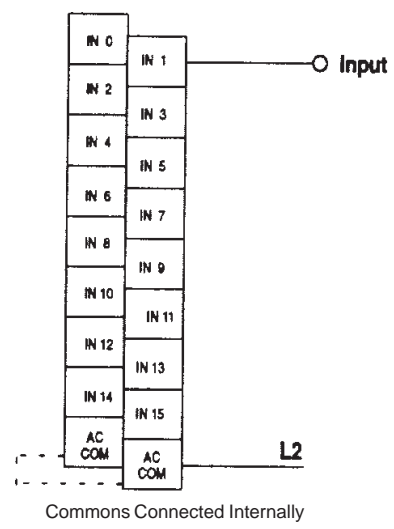
A
1746-IA4



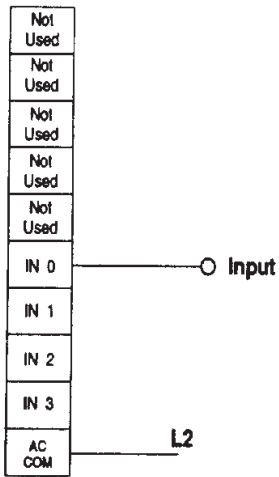
1746-IA8



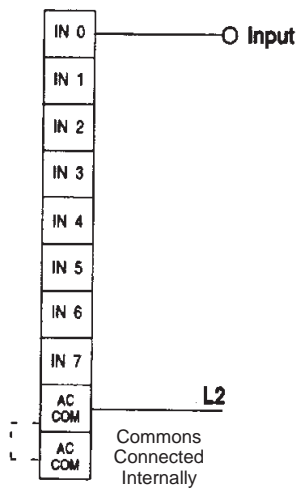
1746-IA16



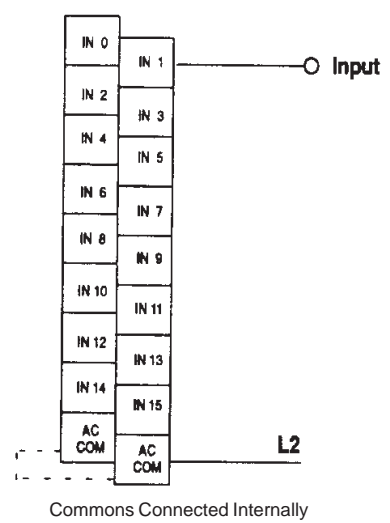
B
1746-IM4



1746-IM8

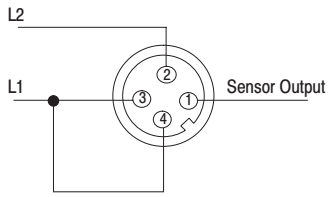


1746-IM16

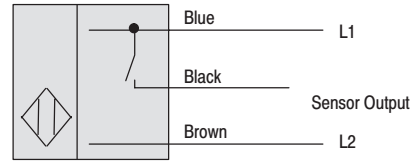


AC

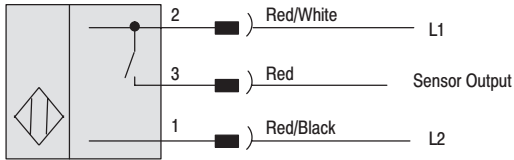
9



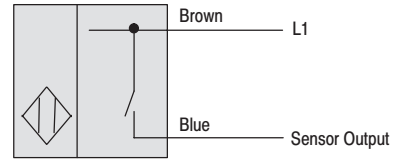
10



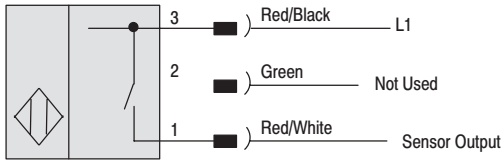
11



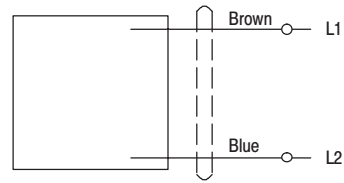
12



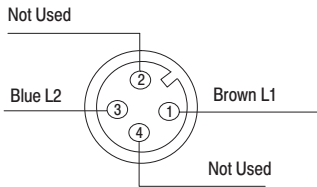
13



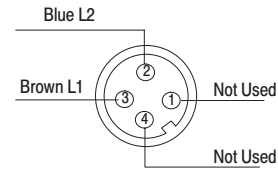
14



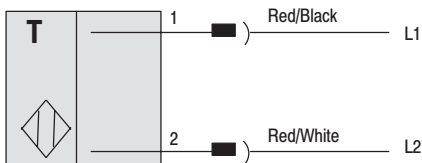
15



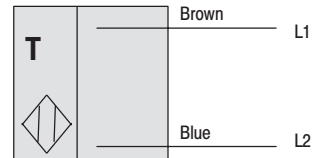
16



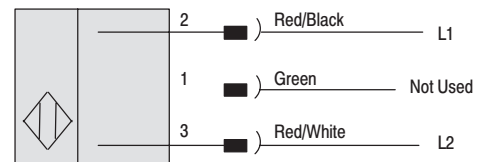
17



18

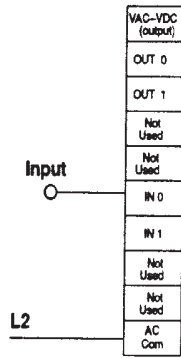


89

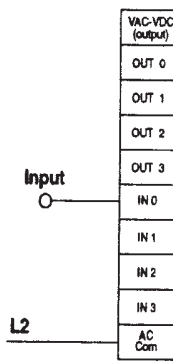


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

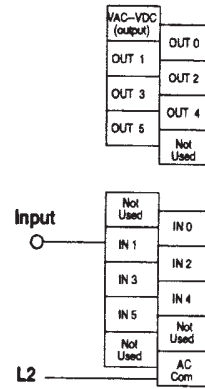
C
1746-IO4



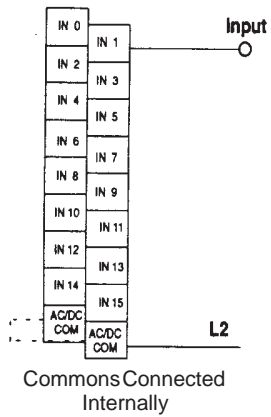
1746-IO8



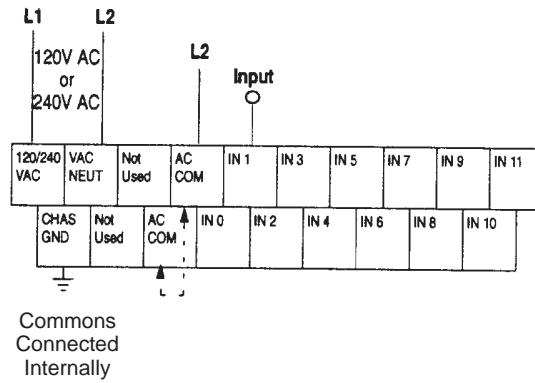
1746-IO12



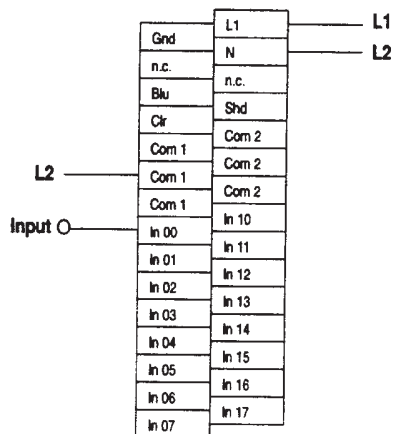
D
1746-IN16



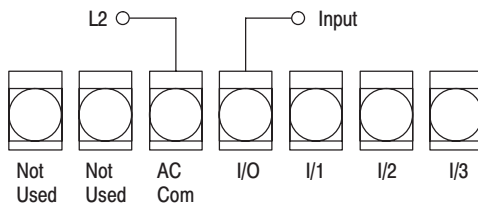
E
1747-LA,B,R,P**



F
1791-16AO/B

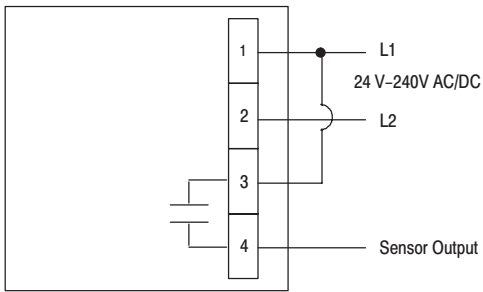


G
1761-L32AAA
L32AWA
L16AWA

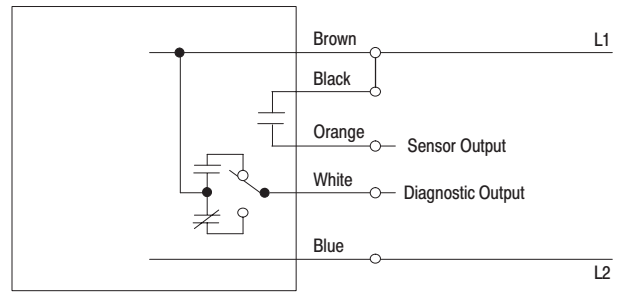


AC

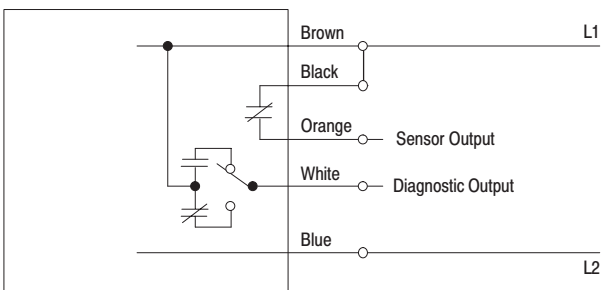
1



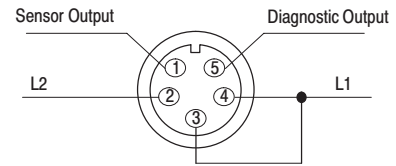
2



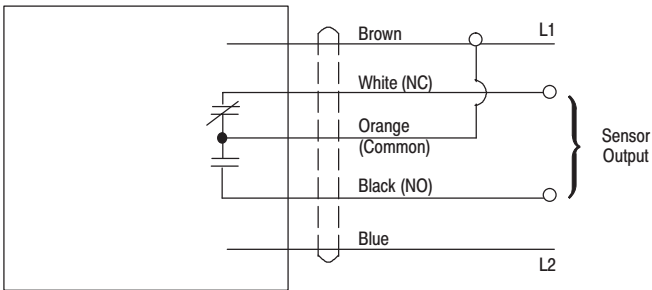
3



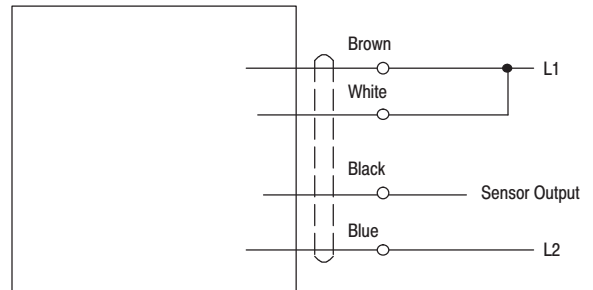
4



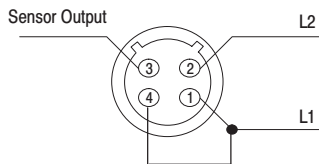
5



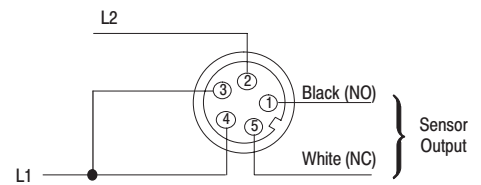
6



7

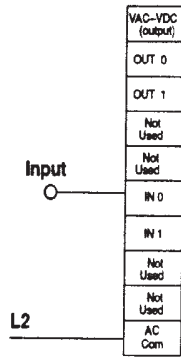


8

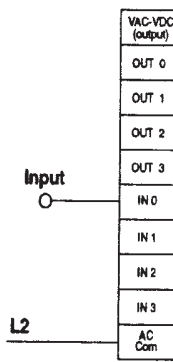


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

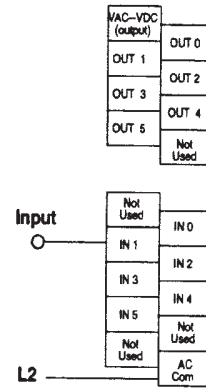
C
1746-IO4



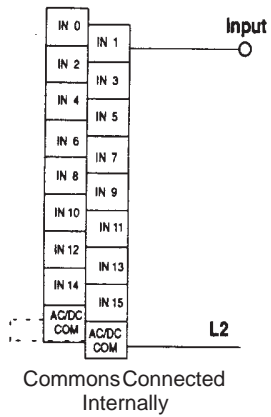
1746-IO8



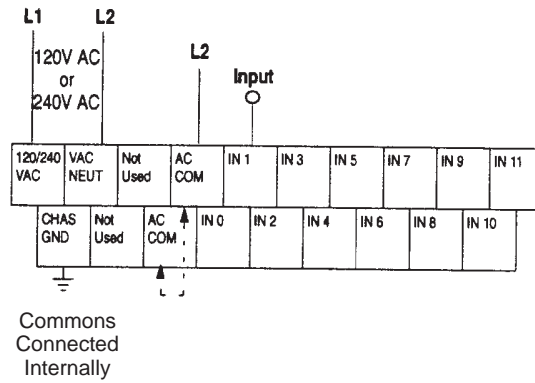
1746-IO12



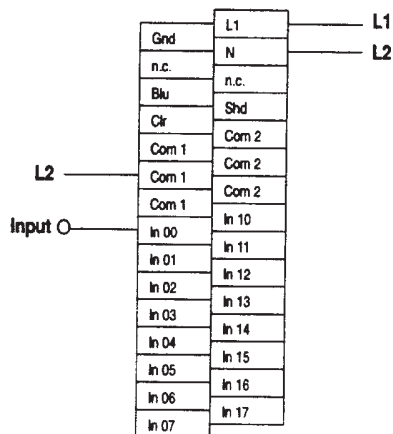
D
1746-IN16



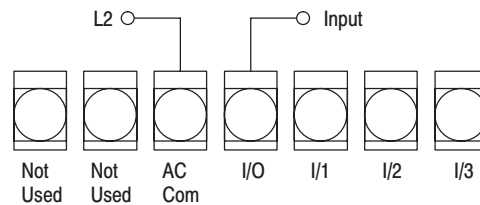
E
1747-LA,B,R,P**



F
1791-16AO/B

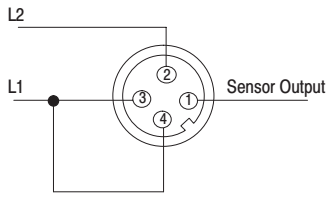


G
1761-L32AAA
L32AWA
L16AWA

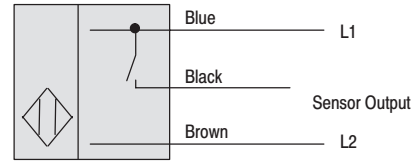


AC

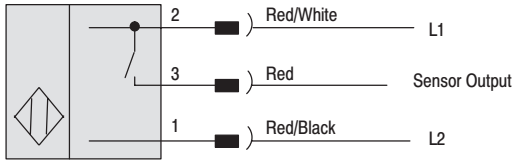
9



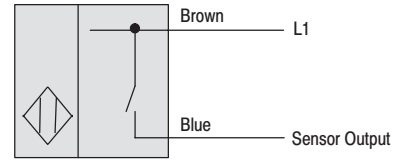
10



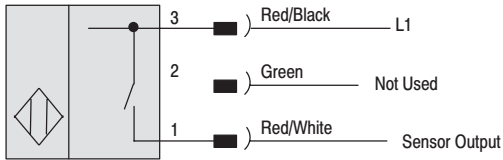
11



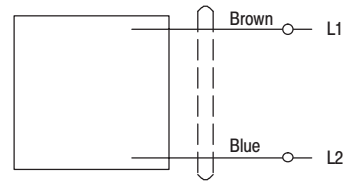
12



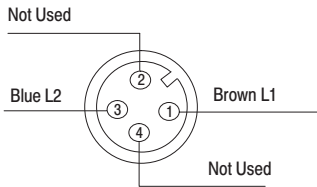
13



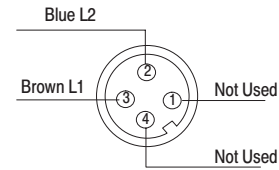
14



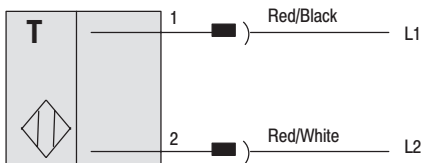
15



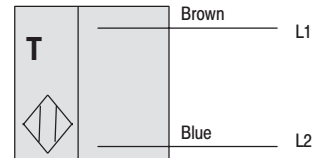
16



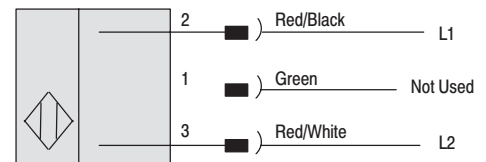
17



18



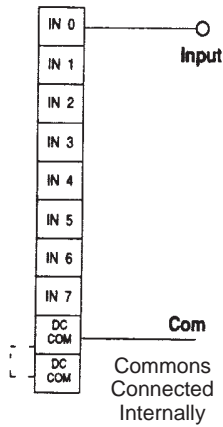
89



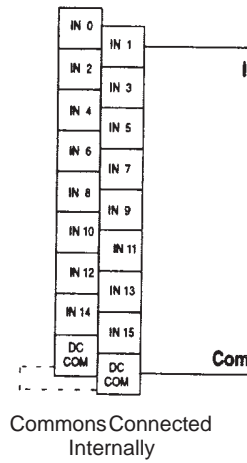
Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

H

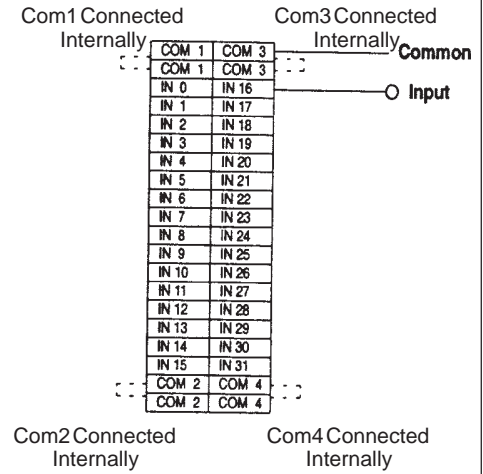
1746-IB8



1746-IB16

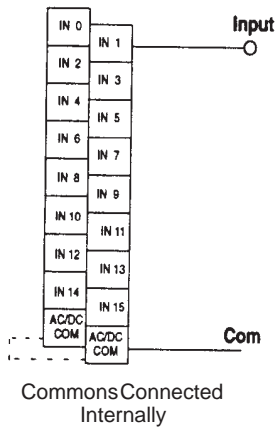


1746-IB32



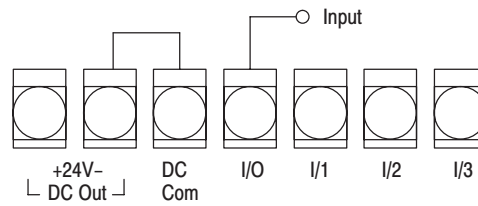
I

1746-IN16



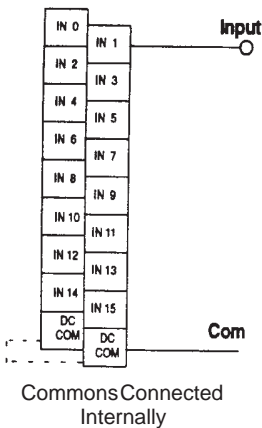
J

1761-L16BWA L32BWA L16BWB
1761-L32BWB L16BBB L32BBB



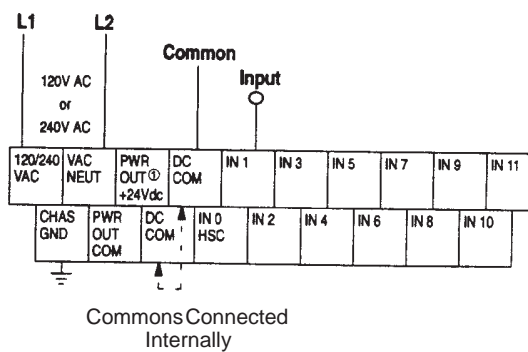
K

1746-ITB16



L

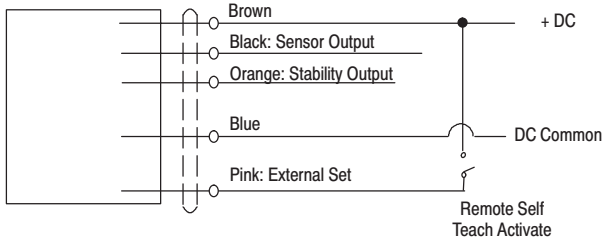
1747-LC,D,E**



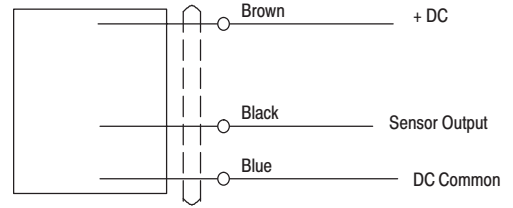
① +24V DC @200mA User Power

PNP

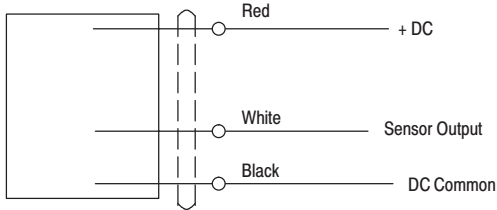
19



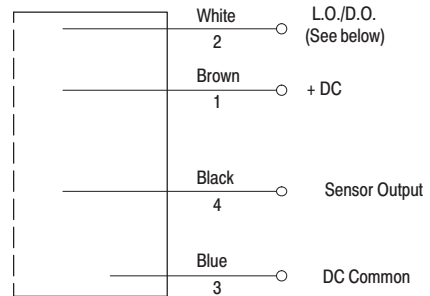
20



21

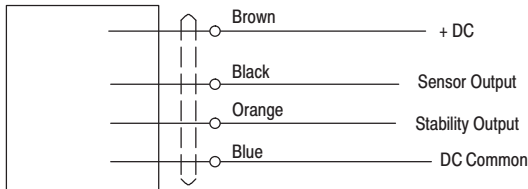


22

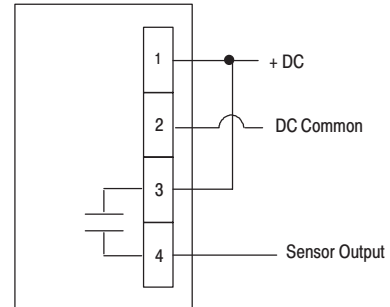


For L.O. connect White to DC Common
For D.O. connect White to +DC

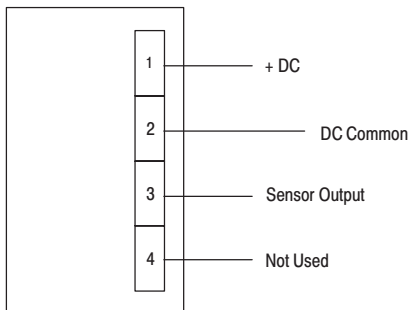
23



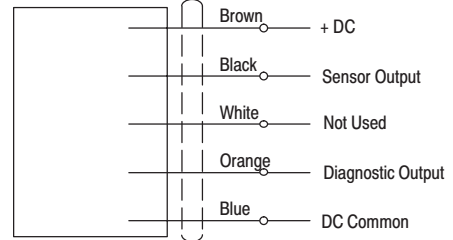
24



25



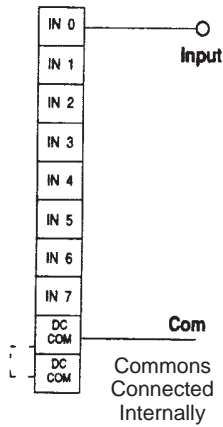
26



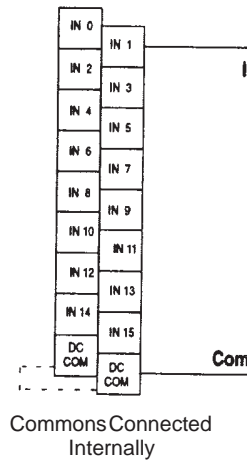
Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

H

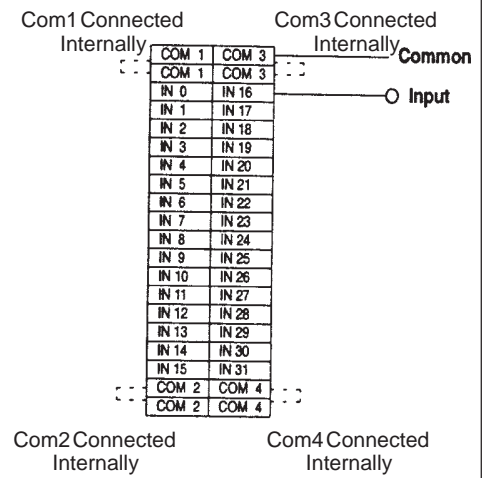
1746-IB8



1746-IB16

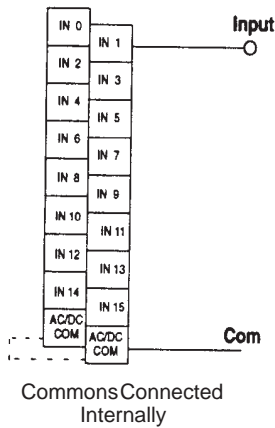


1746-IB32



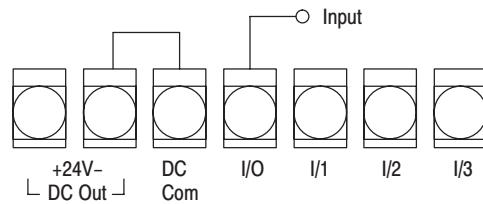
I

1746-IN16



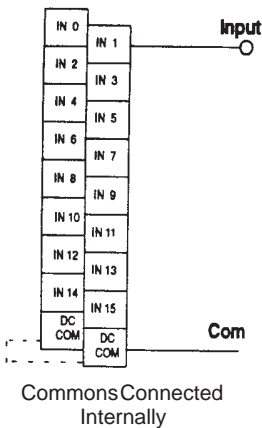
J

1761-L16BWA L32BWA L16BWB
1761-L32BWB L16BBB L32BBB



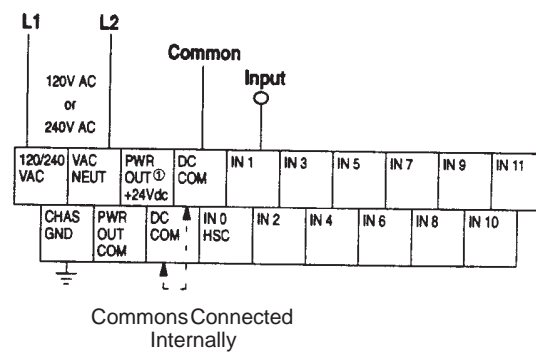
K

1746-ITB16



L

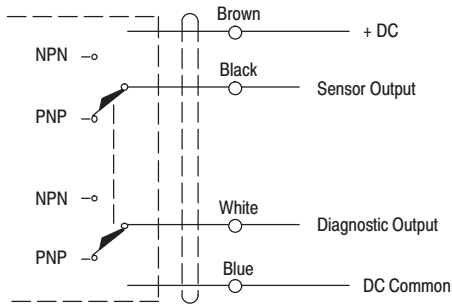
1747-LC,D,E**



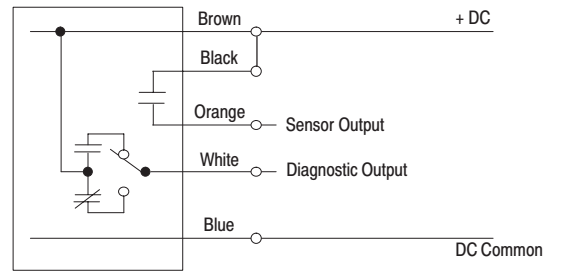
① +24V DC @200mA User Power

PNP

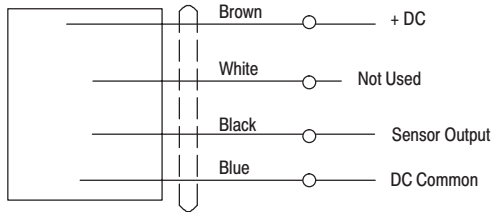
27



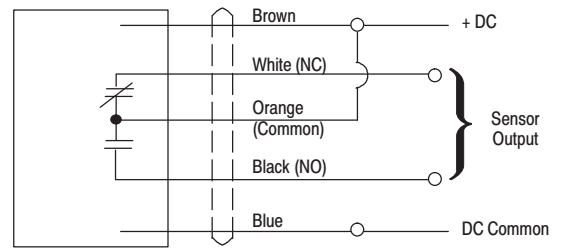
28



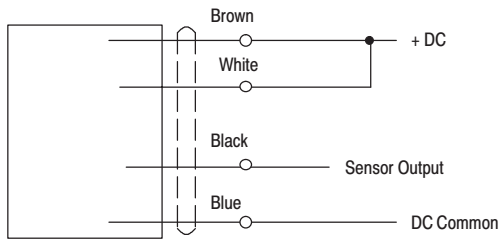
29



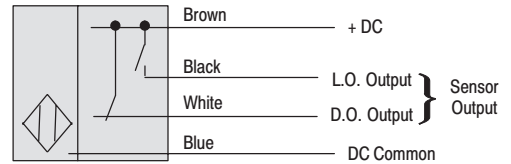
30



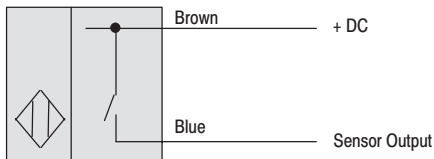
31



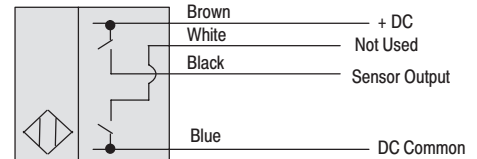
32



33



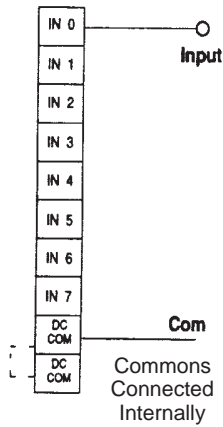
34



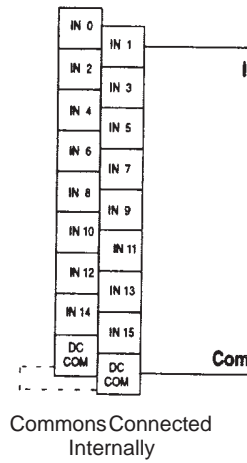
Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

H

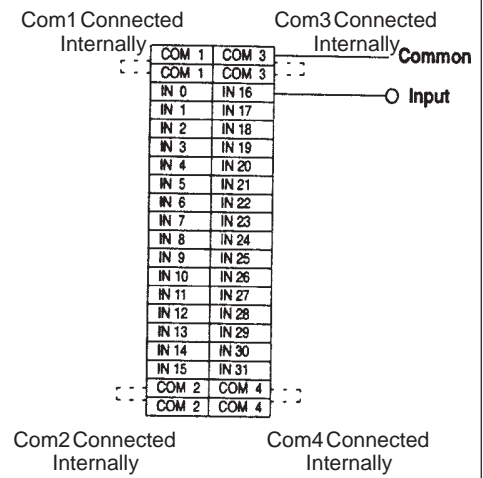
1746-IB8



1746-IB16

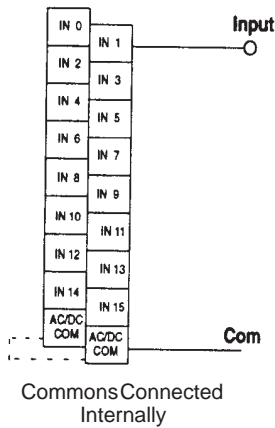


1746-IB32



I

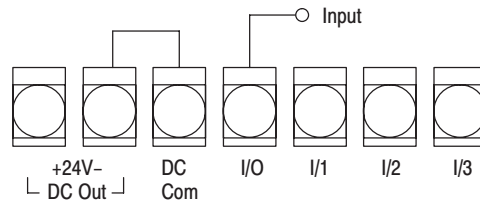
1746-IN16



J

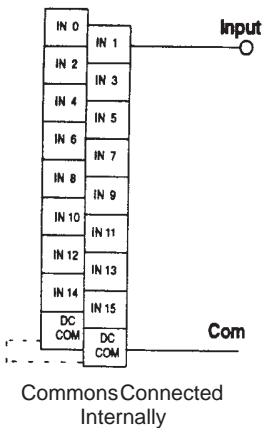
1761-L16BWA
L32BWA
L16BWB

1761-L32BWB
L16BBB
L32BBB



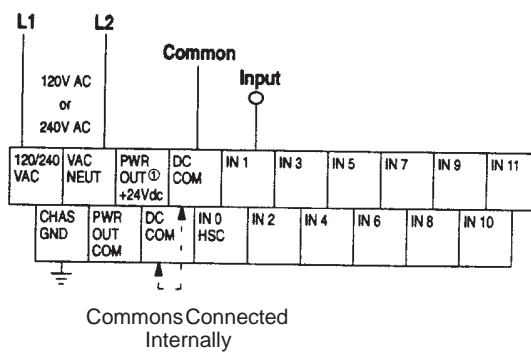
K

1746-ITB16



L

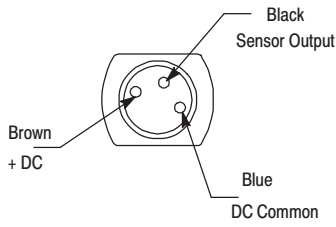
1747-L**C,D,E



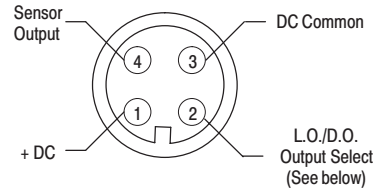
① +24V DC @200mA User Power

PNP

35

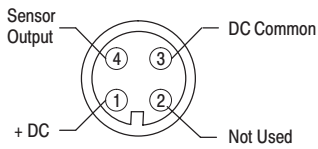


36

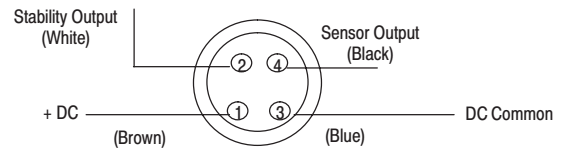


For L.O. connect pin 2 to DC Common
For D.O. connect pin 2 to +DC

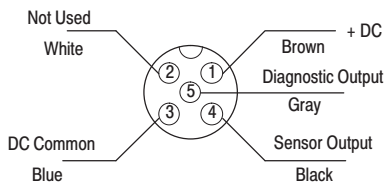
37



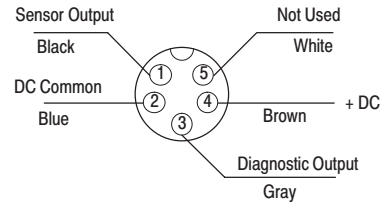
38



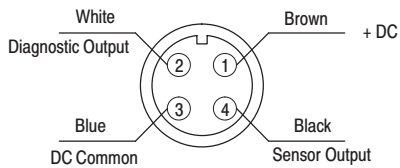
39



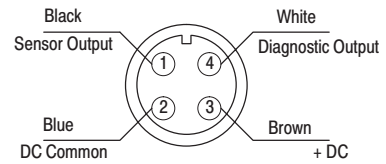
40



41



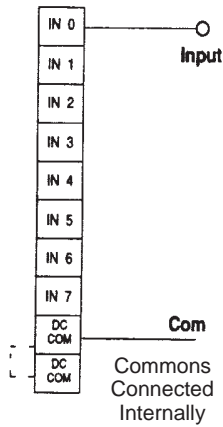
42



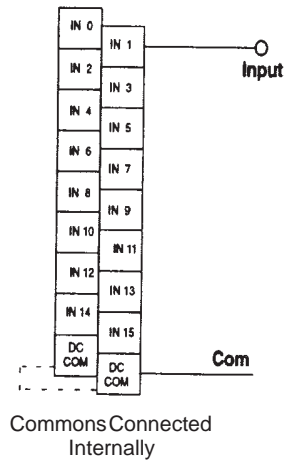
Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

H

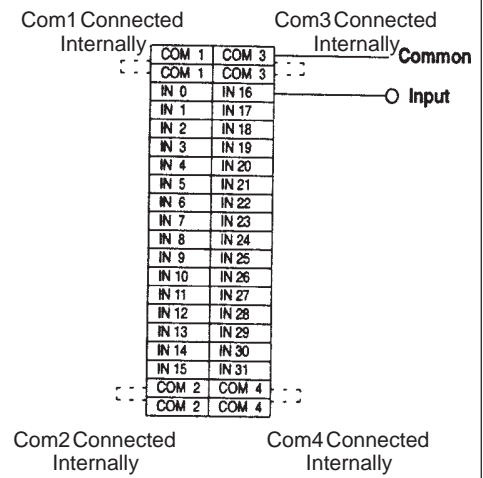
1746-IB8



1746-IB16

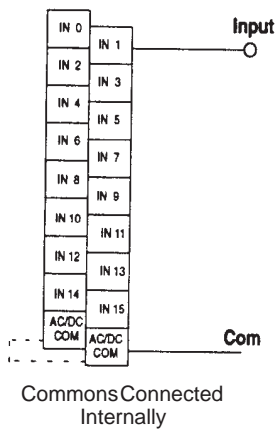


1746-IB32



I

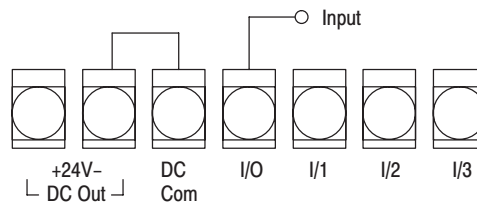
1746-IN16



J

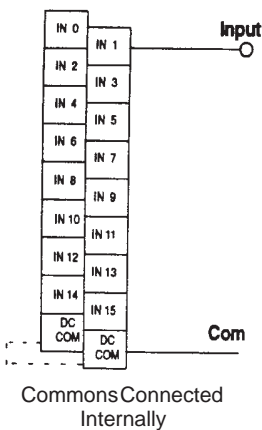
1761-L16BWA
L32BWA
L16BWB

1761-L32BWB
L16BBB
L32BBB



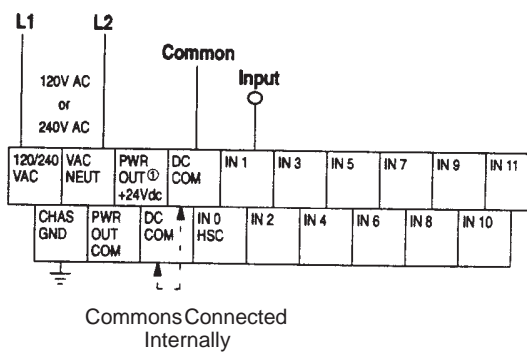
K

1746-ITB16



L

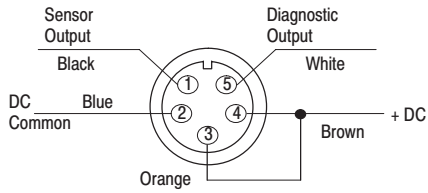
1747-L**C,D,E



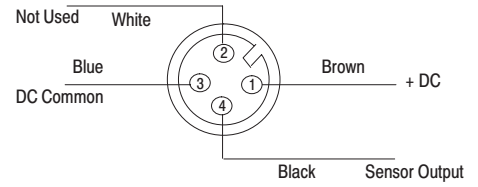
① +24V DC @200mA User Power

PNP

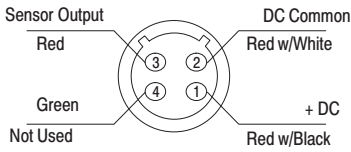
43



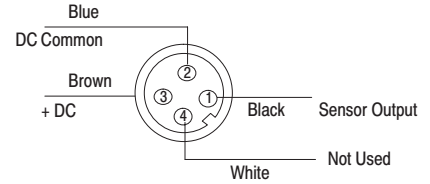
44



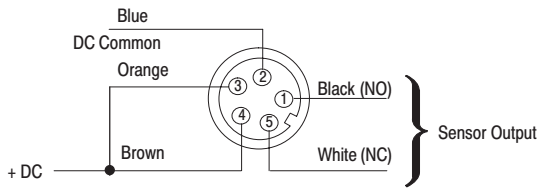
45



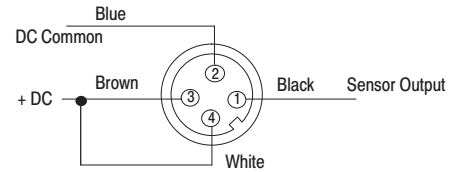
46



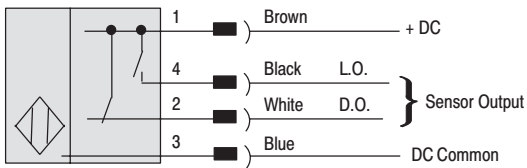
47



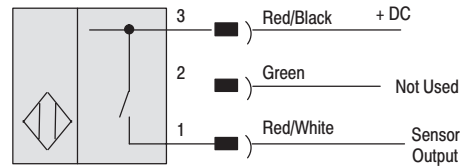
48



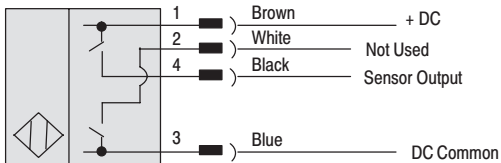
49



50

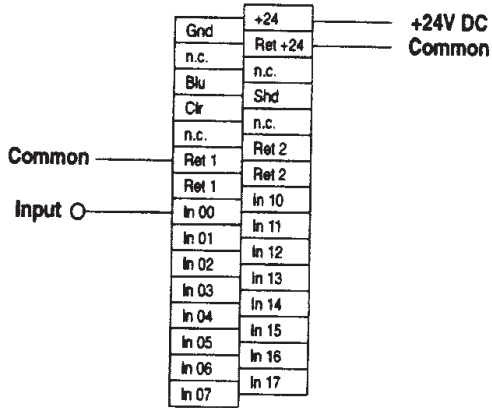


51

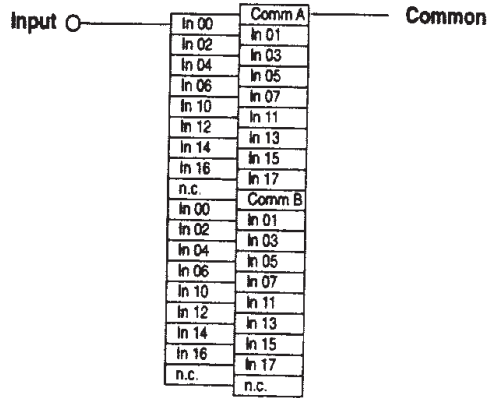


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

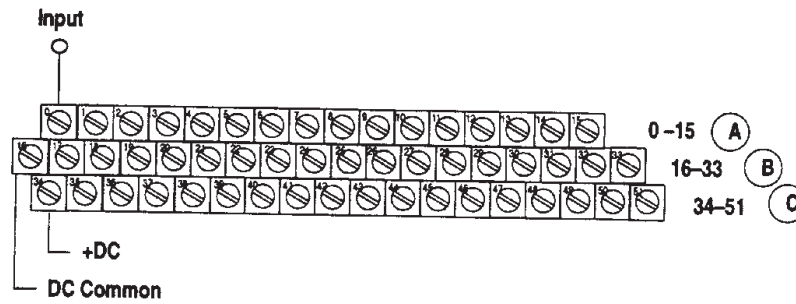
M
1791-16BO/B



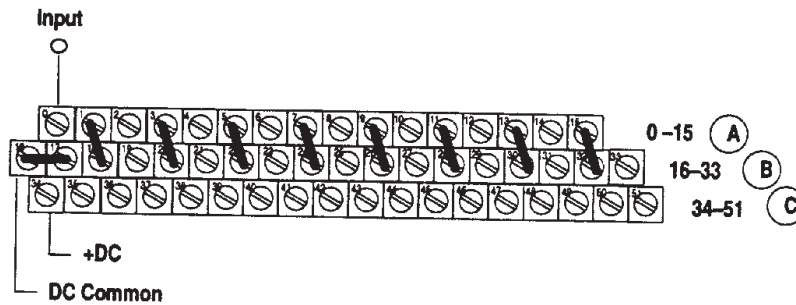
N
1791-IOBX



O
1794-IB16

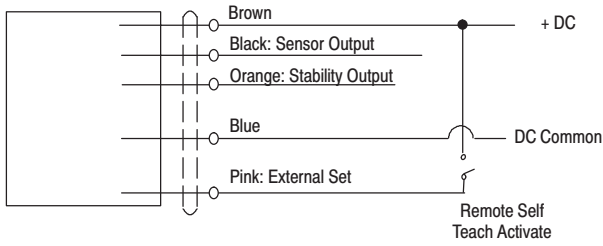


P
1794-IB8S

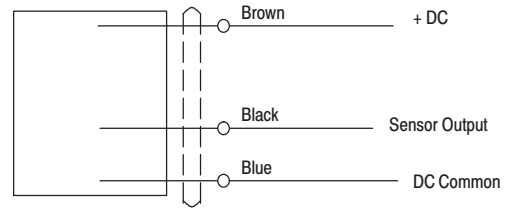


PNP

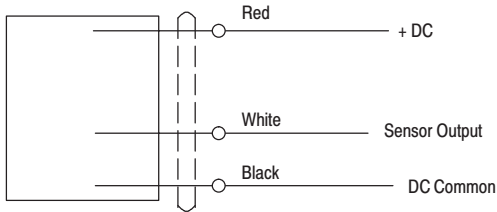
19



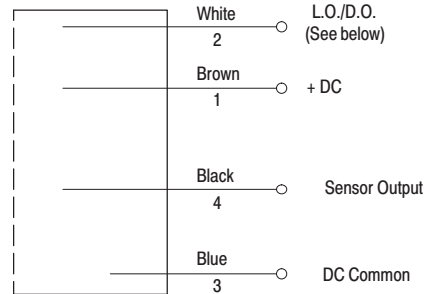
20



21

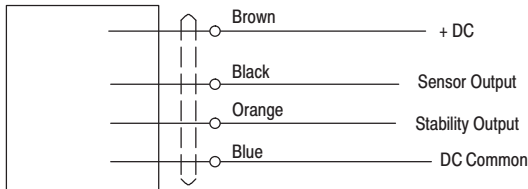


22

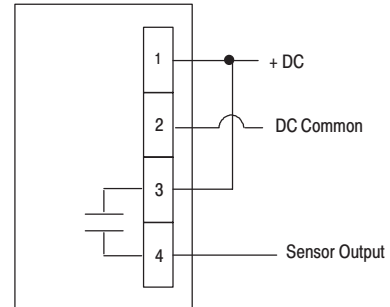


For L.O. connect White to DC Common
For D.O. connect White to +DC

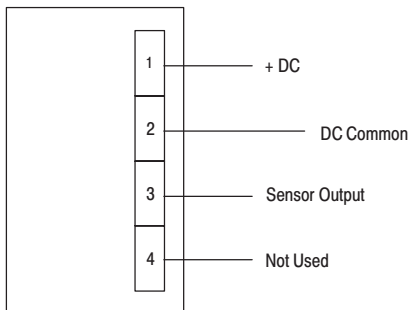
23



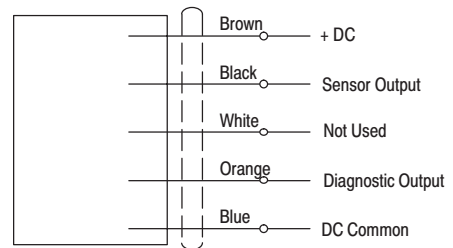
24



25

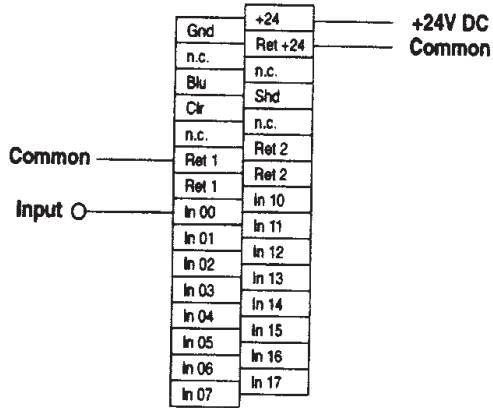


26

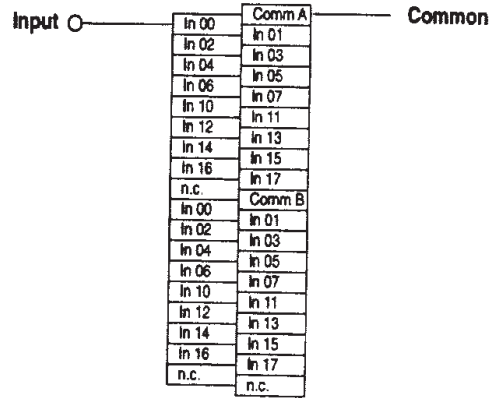


Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

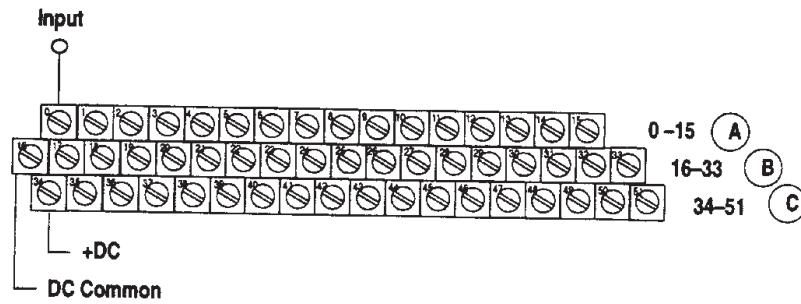
M
1791-16BO/B



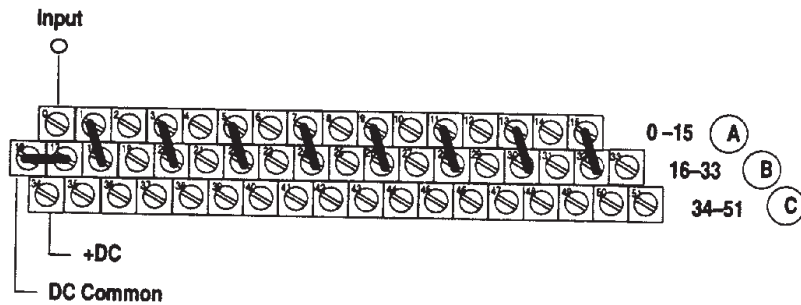
N
1791-IOBX



O
1794-IB16

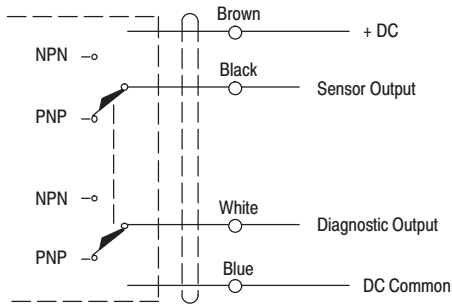


P
1794-IB8S

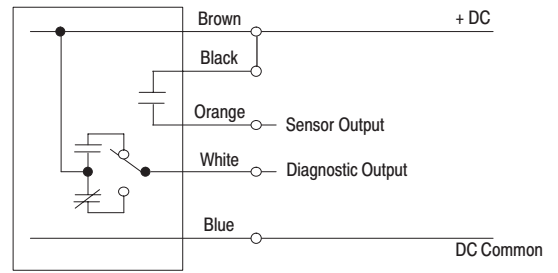


PNP

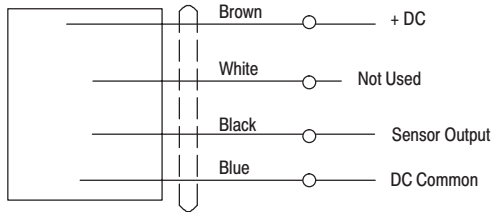
27



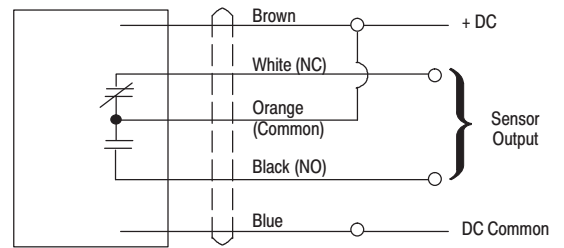
28



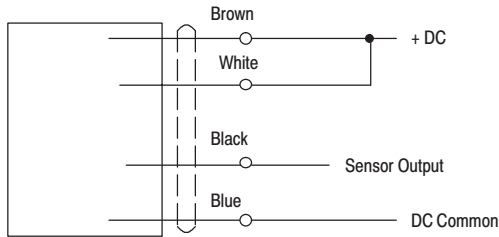
29



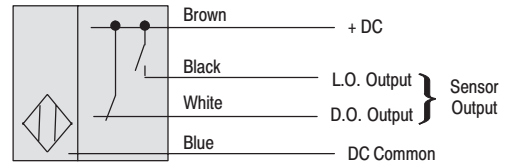
30



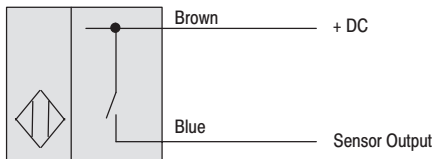
31



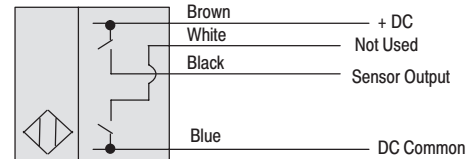
32



33

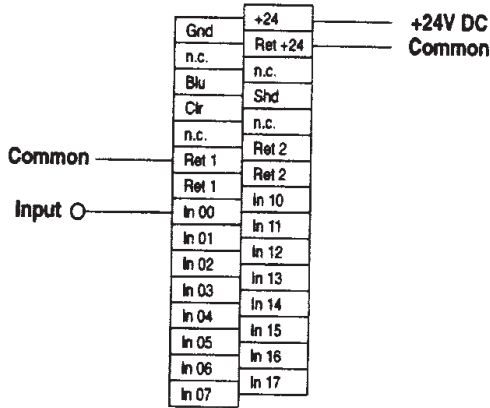


34

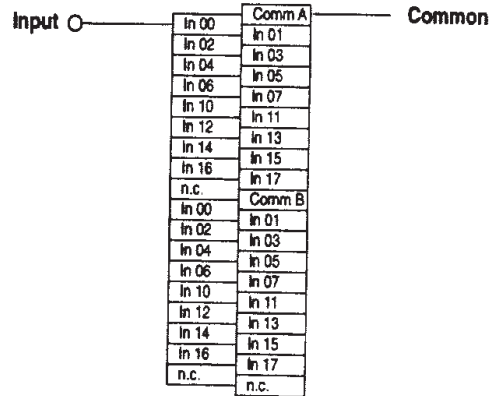


Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

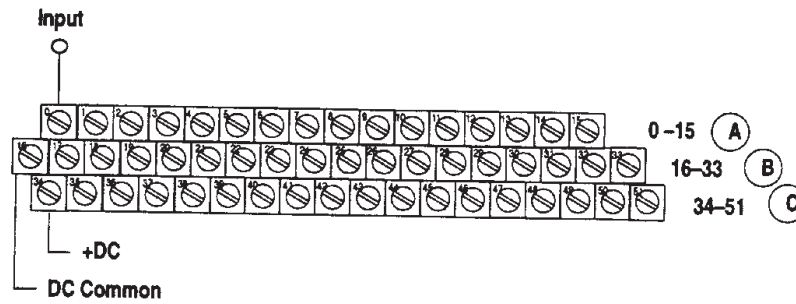
M
1791-16BO/B



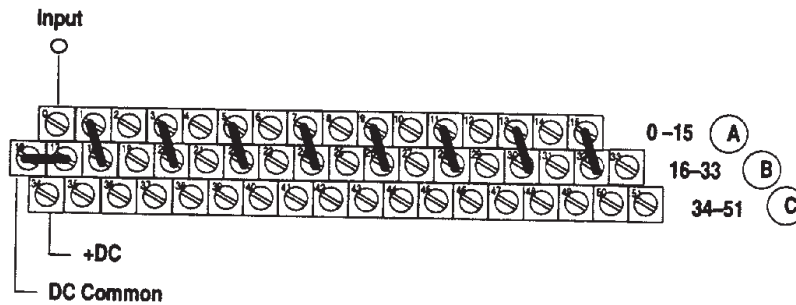
N
1791-IOBX



O
1794-IB16

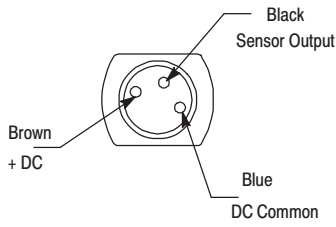


P
1794-IB8S

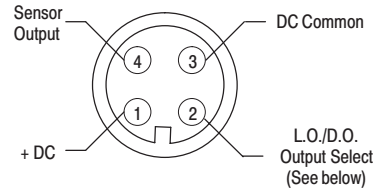


PNP

35

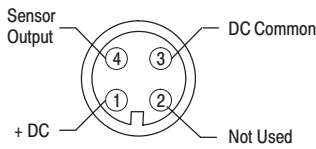


36

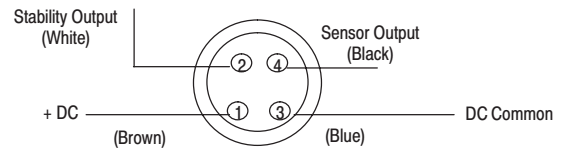


For L.O. connect pin 2 to DC Common
For D.O. connect pin 2 to +DC

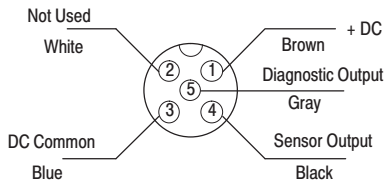
37



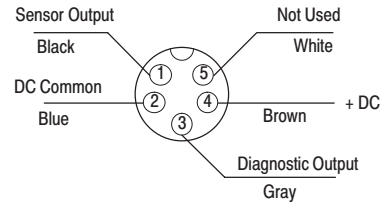
38



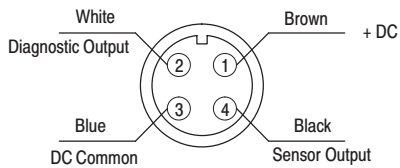
39



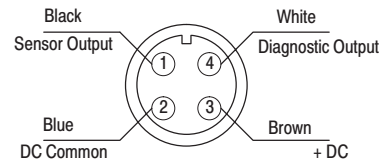
40



41

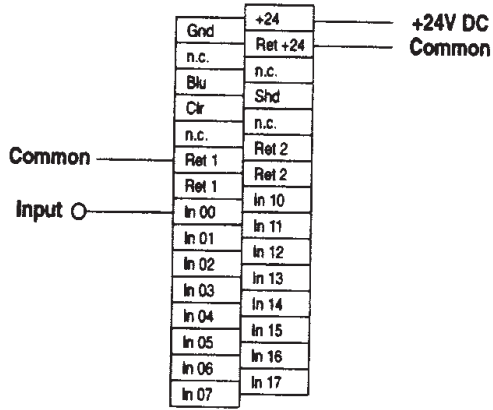


42

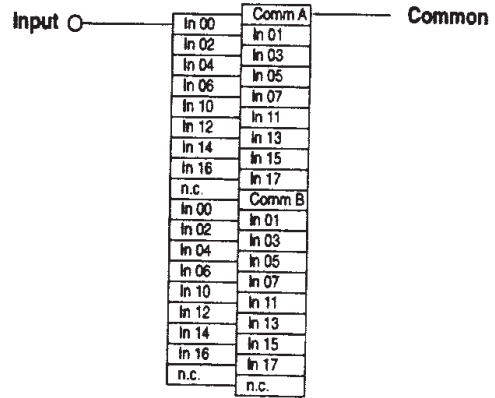


Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

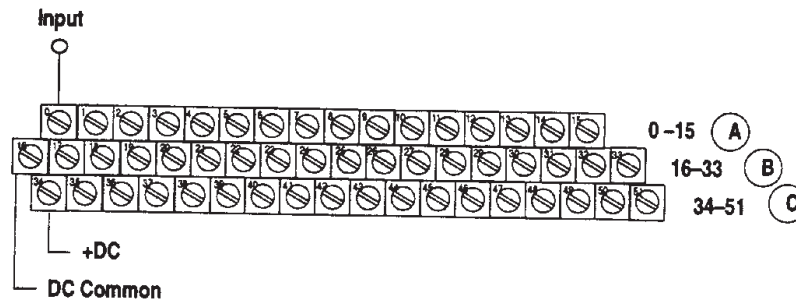
M
1791-16BO/B



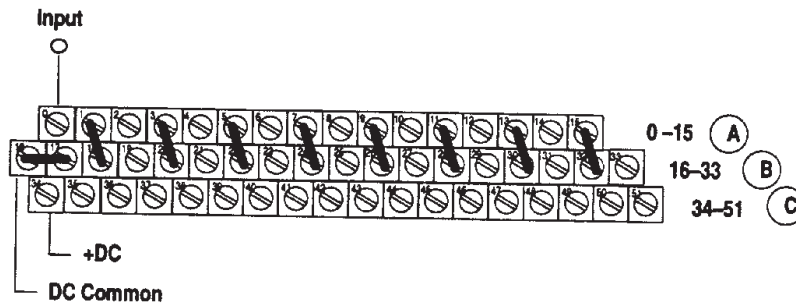
N
1791-IOBX



O
1794-IB16

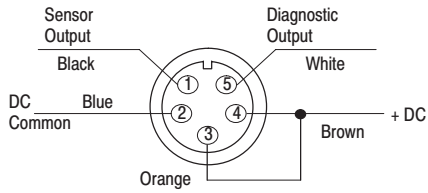


P
1794-IB8S

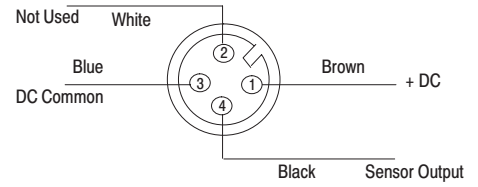


PNP

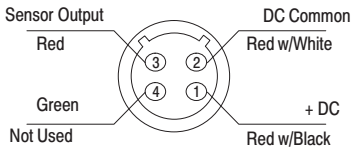
43



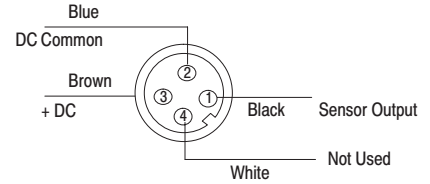
44



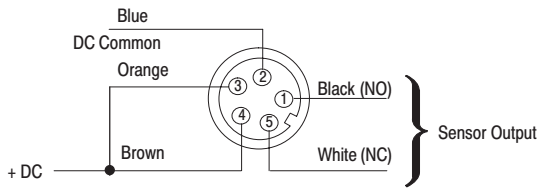
45



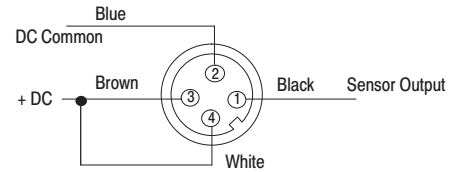
46



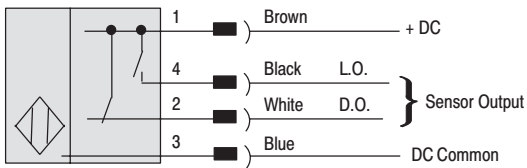
47



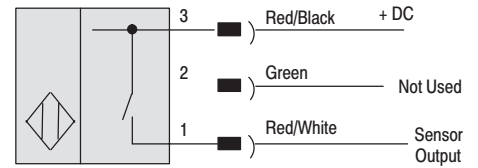
48



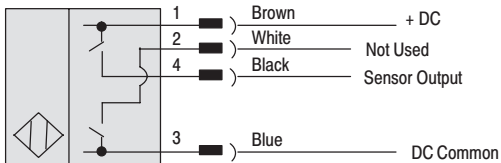
49



50



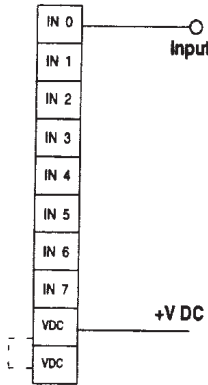
51



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

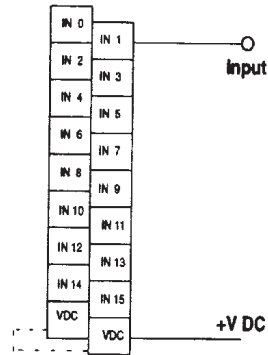
Q

1746-IV8



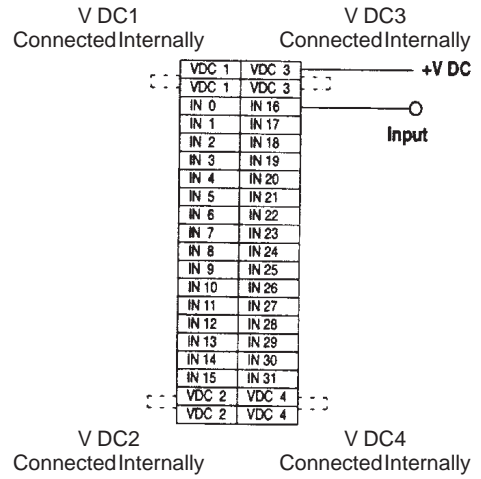
V DC Connected Internally

1746-IV16



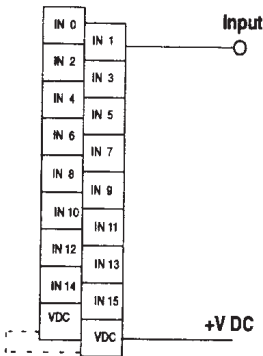
V DC Connected Internally

1746-IV32



R

1746-ITV16

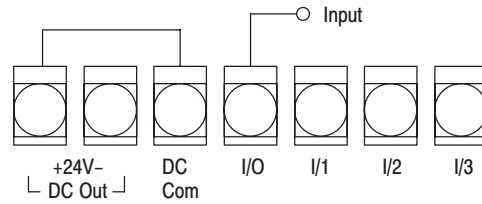


V DC Connected Internally

S

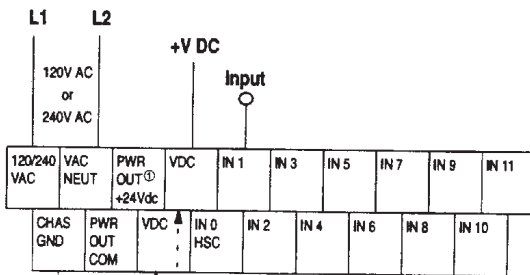
**1761-L16BWA
L32BWA
L16BWB**

**1761-L32BWB
L16BBB
L32BBB**



T

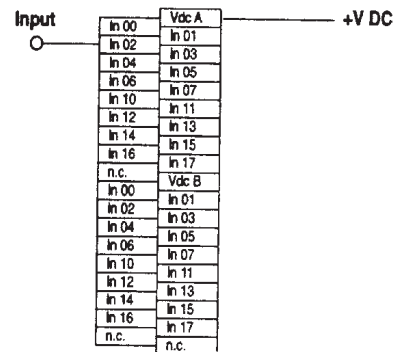
1747-LL**



V DC Connected Internally

U

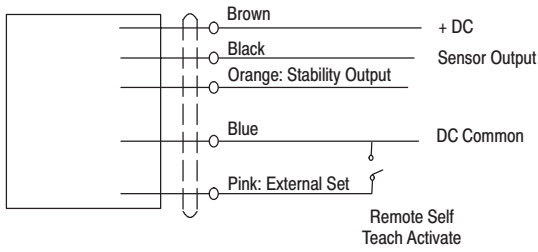
1791-IOVW



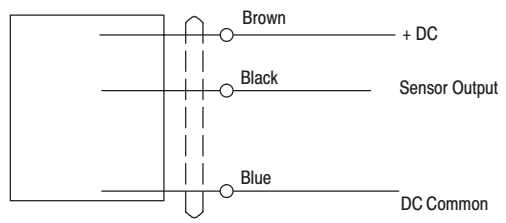
① +24V DC @200mA User Power

NPN

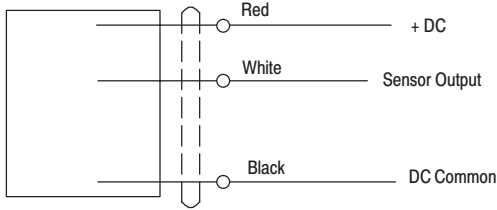
52



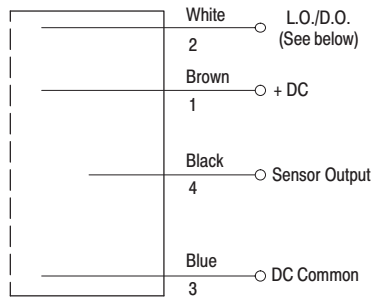
53



54

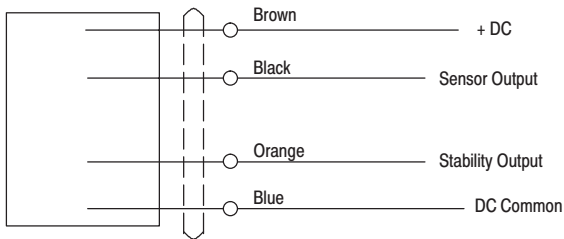


55

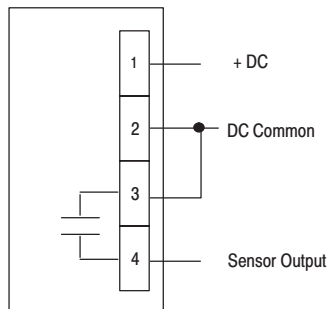


For L.O. connect White to DC Common
For D.O. connect White to +DC

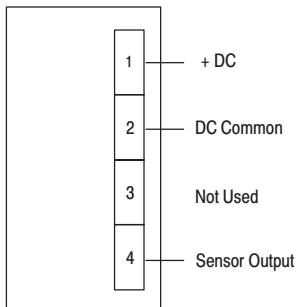
56



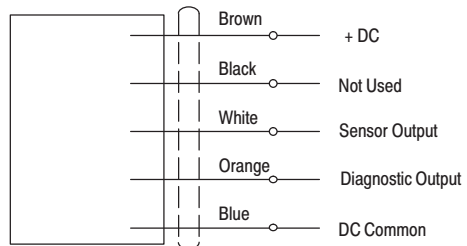
57



58



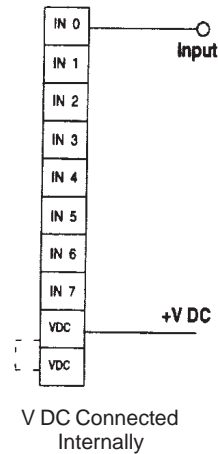
59



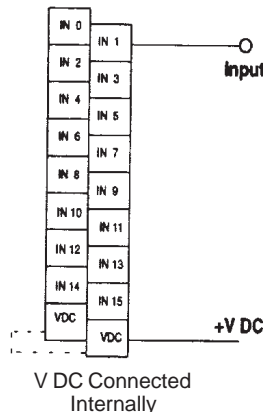
Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

Q

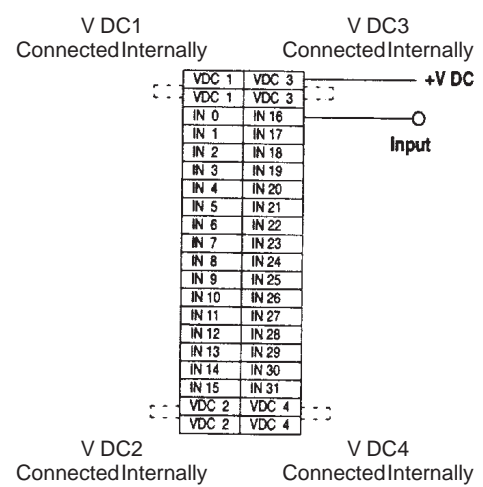
1746-IV8



1746-IV16

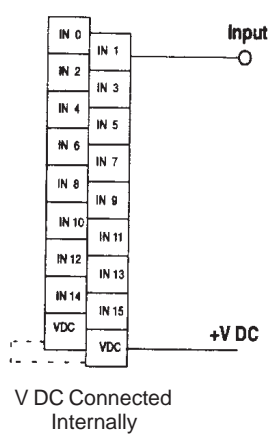


1746-IV32



R

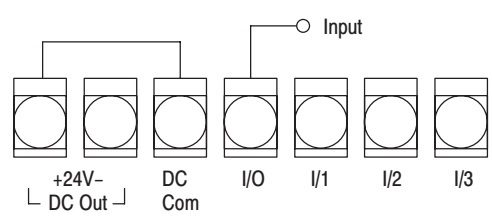
1746-ITV16



S

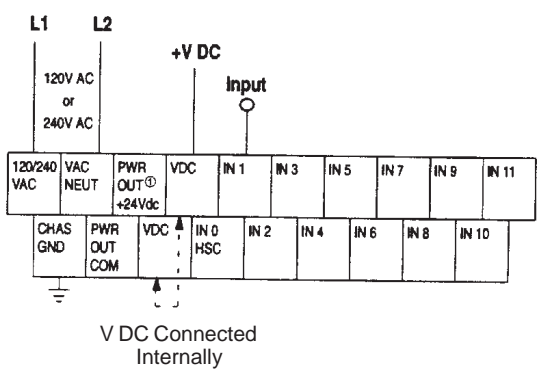
**1761-L16BWA
L32BWA
L16BWB**

**1761-L32BWB
L16BBB
L32BBB**



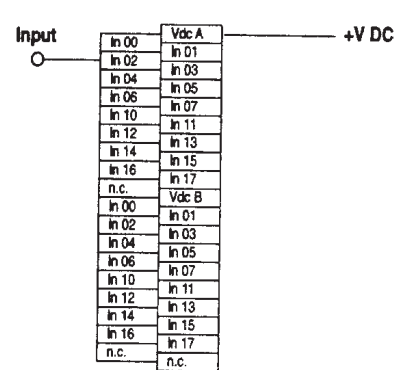
T

1747-LL**



U

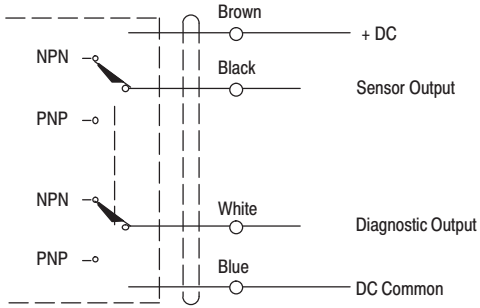
1791-IOVW



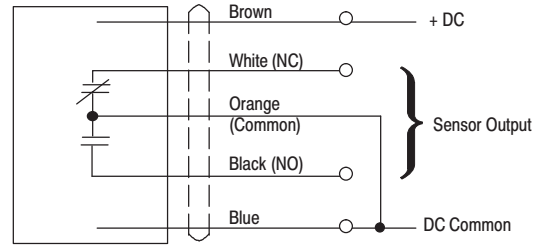
① +24V DC @200mA User Power

NPN

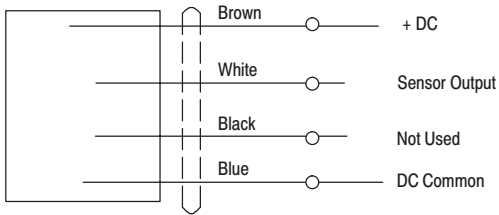
60



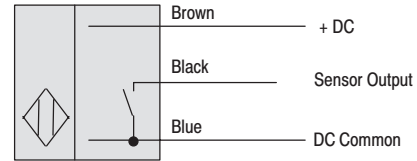
61



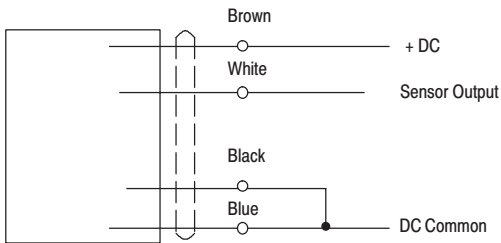
62



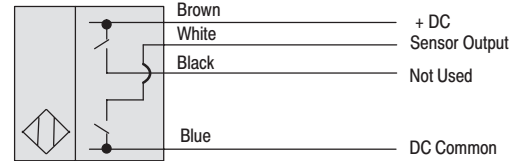
63



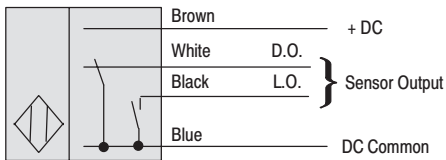
64



65



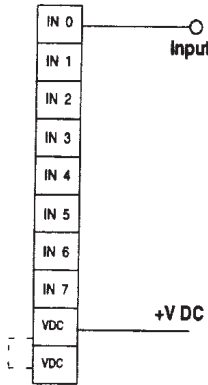
66



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

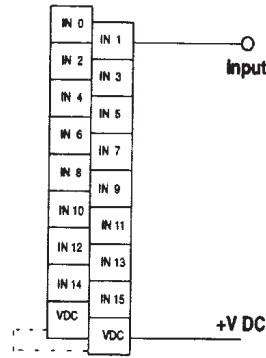
Q

1746-IV8



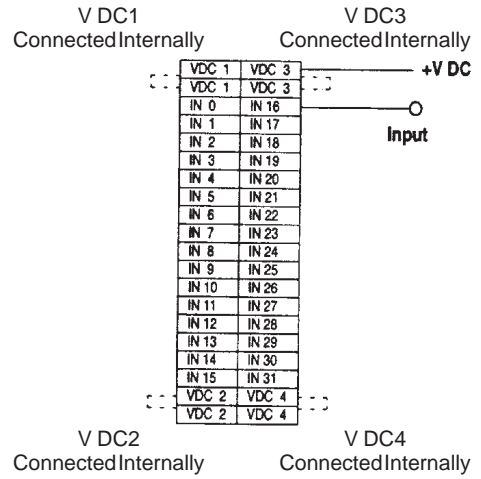
V DC Connected Internally

1746-IV16



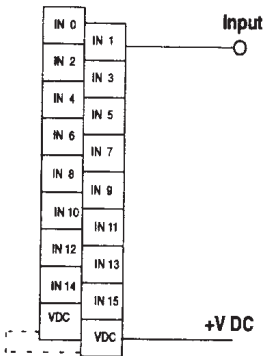
V DC Connected Internally

1746-IV32



R

1746-ITV16

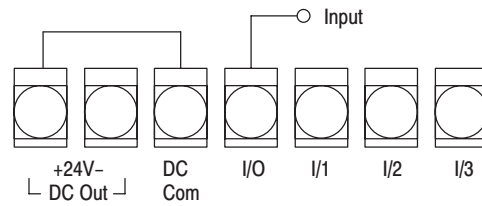


V DC Connected Internally

S

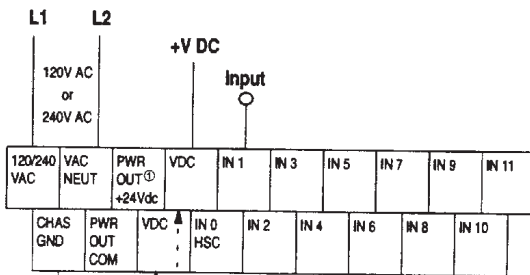
**1761-L16BWA
L32BWA
L16BWB**

**1761-L32BWB
L16BBB
L32BBB**



T

1747-LL**

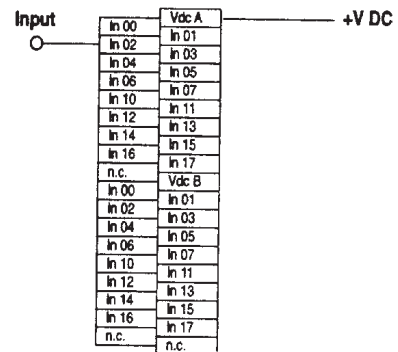


V DC Connected Internally

① +24V DC @200mA User Power

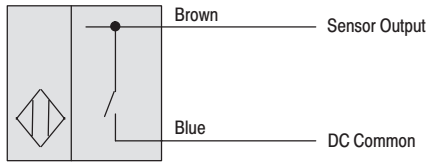
U

1791-IOVW

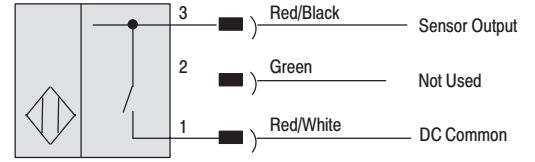


NPN

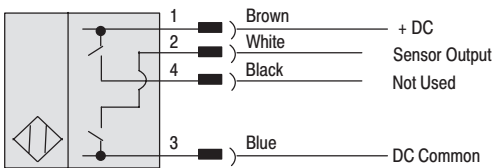
67



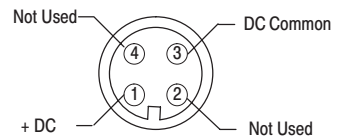
68



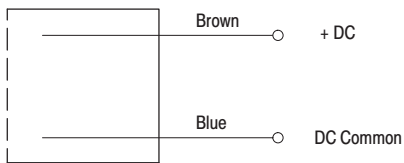
69



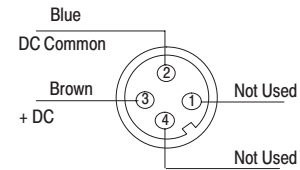
70



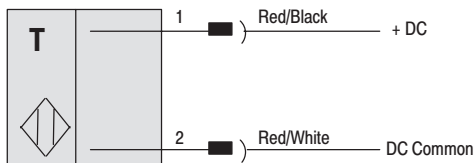
71



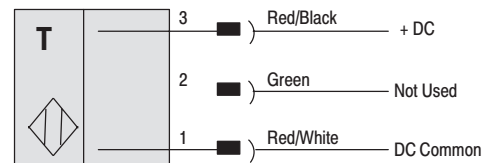
72



73



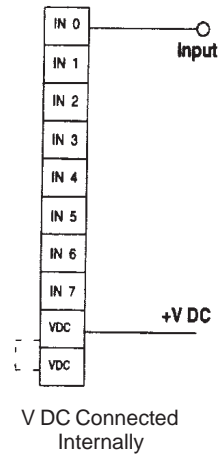
74



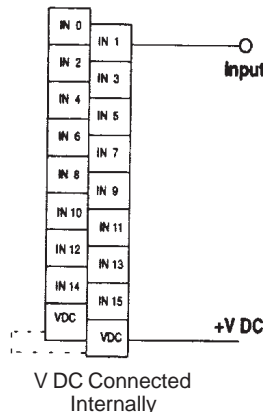
Note: NC = Normally Closed
 NO = Normally Open
 L.O. = Light Operate
 D.O. = Dark Operate

Q

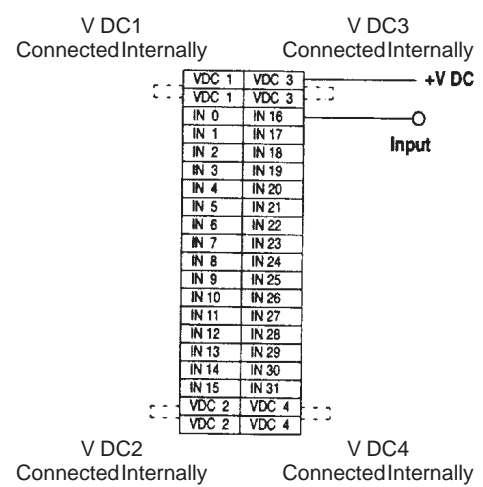
1746-IV8



1746-IV16

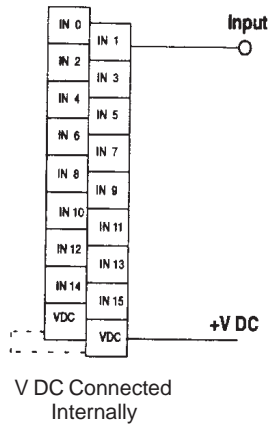


1746-IV32



R

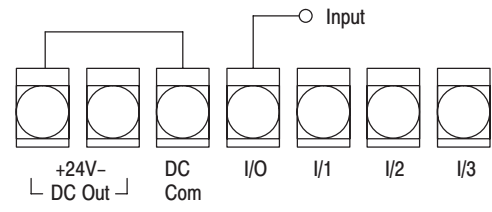
1746-ITV16



S

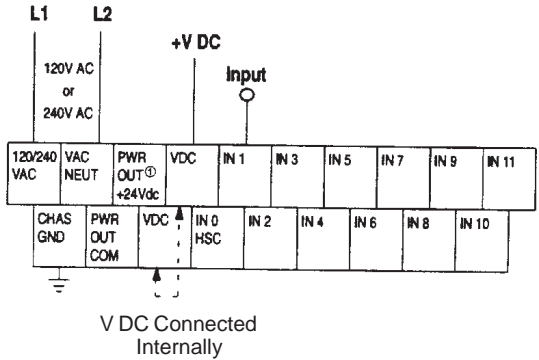
**1761-L16BWA
L32BWA
L16BWB**

**1761-L32BWB
L16BBB
L32BBB**



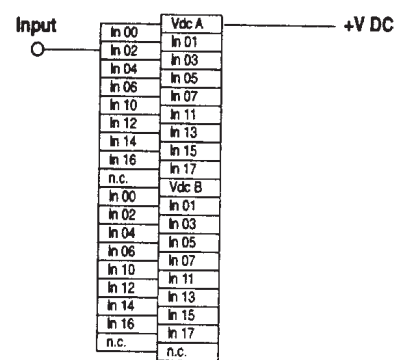
T

1747-LL**



U

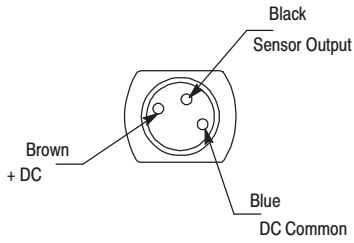
1791-IOVW



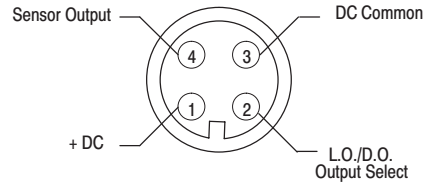
Ⓢ +24V DC @200mA User Power

NPN

75

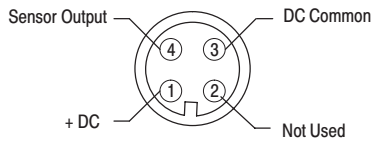


76

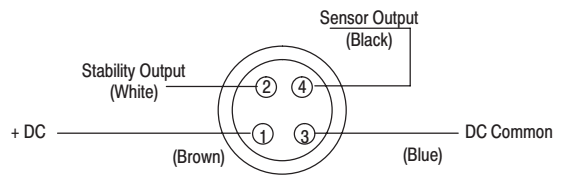


For L.O. connect pin 2 to DC Common
For D.O. connect pin 2 to +DC

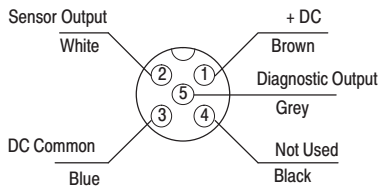
77



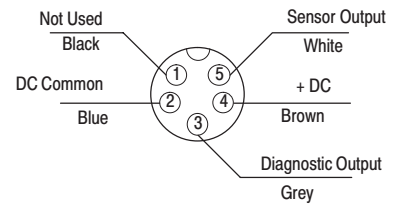
78



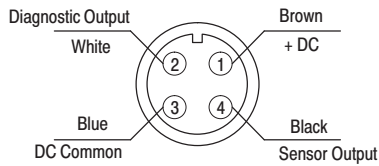
79



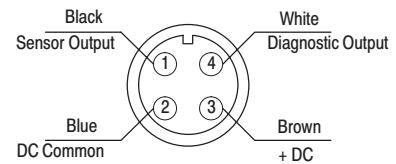
80



81



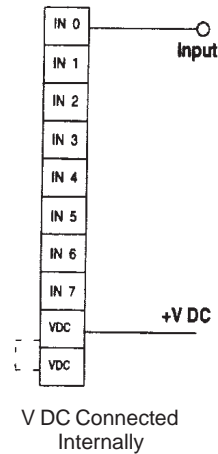
82



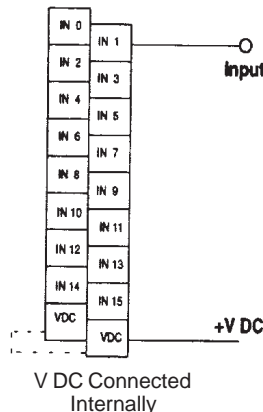
Note: NC = Normally Closed
NO = Normally Open
L.O. = Light Operate
D.O. = Dark Operate

Q

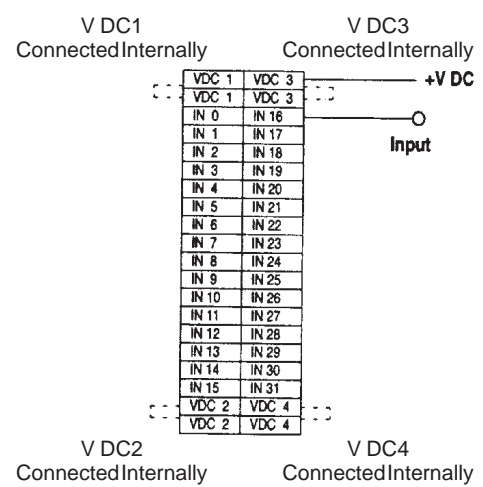
1746-IV8



1746-IV16

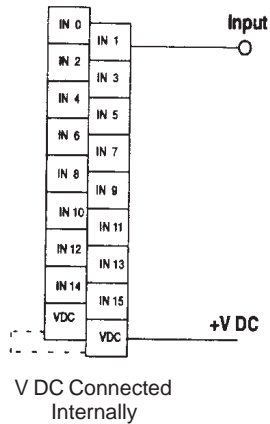


1746-IV32



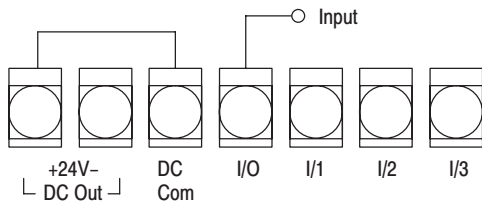
R

1746-ITV16



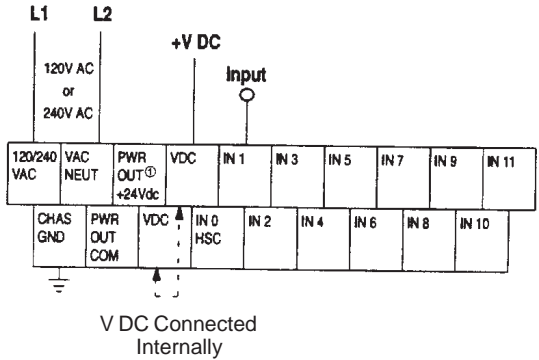
S

1761-L16BWA L32BWA L16BWB
1761-L32BWB L16BBB L32BBB



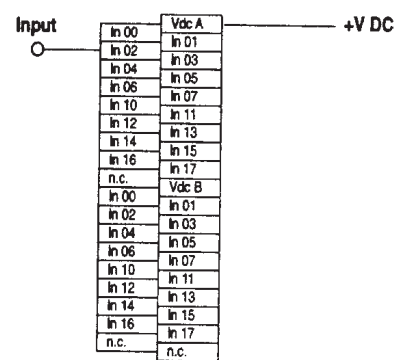
T

1747-LL**



U

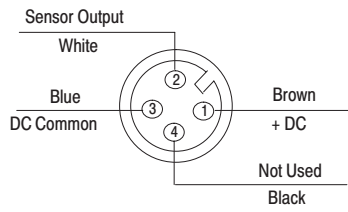
1791-IOVW



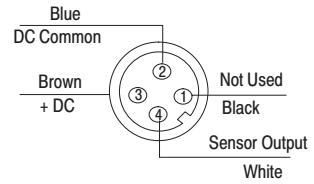
① +24V DC @200mA User Power

NPN

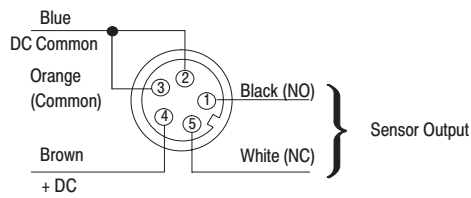
83



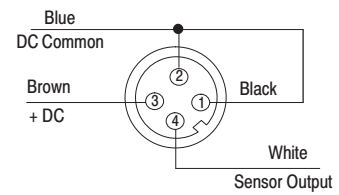
84



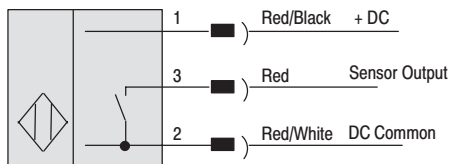
85



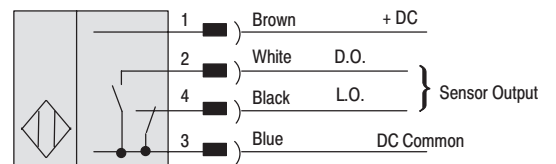
86



87



88



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

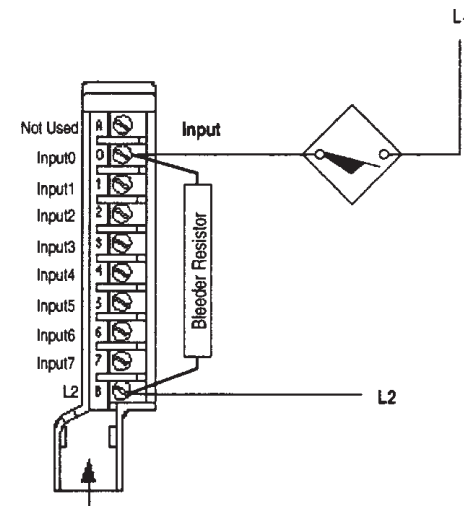
Leakage Current: Current which flows through the output when the output is in an “open” or “de-energized” condition. This condition occurs with all solid-state sensors. It is typically a concern with 2-wire sensors where current flow in these two wires is necessary to supply power to the electronics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

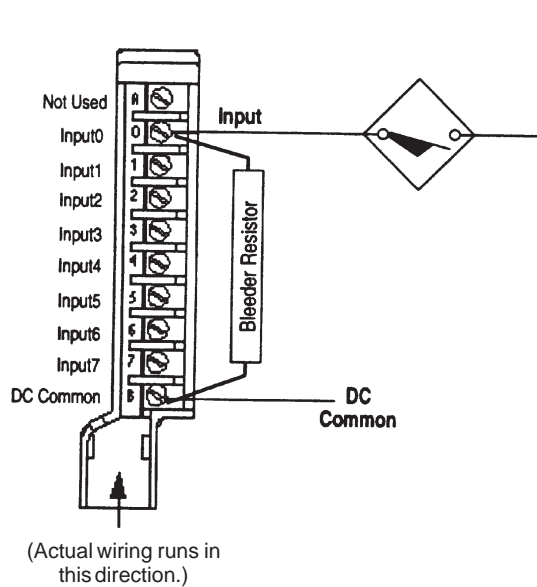


(Actual wiring runs in this direction.)

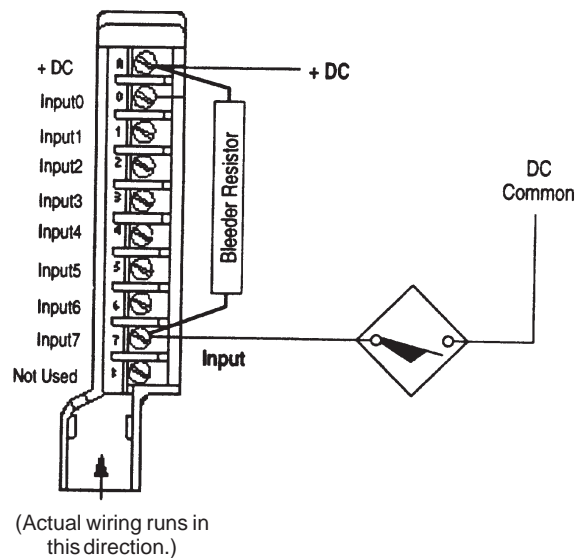
Leakage Current Forced Compatibility

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

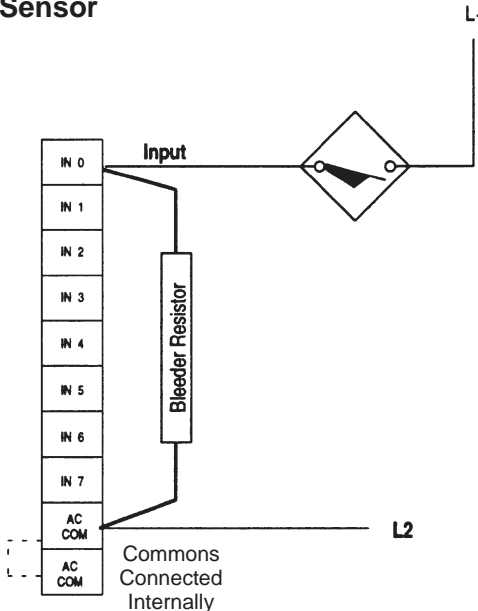


NPN Sensor



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
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

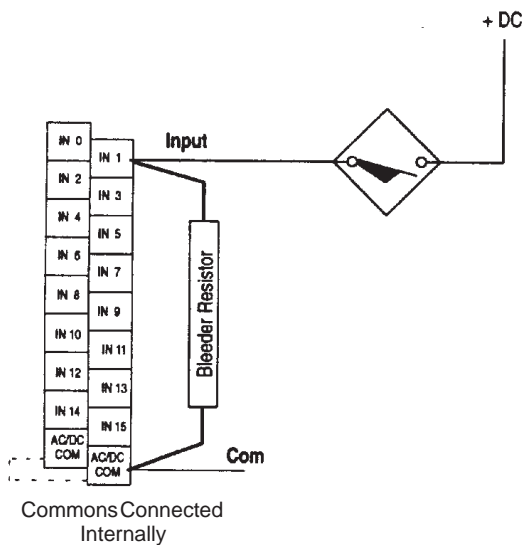
AC Sensor



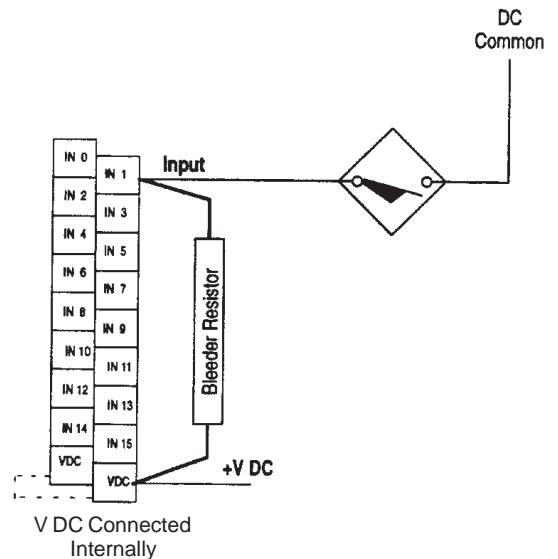
Leakage Current Forced Compatibility

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



PHOTOSWITCH and PLC are registered trademarks of Allen-Bradley Company, Inc.
MicroLogix, FLEX I/O, and SLC are trademarks of Allen-Bradley Company, Inc.



Rockwell Automation helps its customers receive a superior return on their investment by bringing together leading brands in industrial automation, creating a broad spectrum of easy-to-integrate products including control logic, sensors, man-machine interface, motors, power devices and software. These are supported by local technical resources available worldwide, a global network of system solutions providers, and the advanced technology resources of Rockwell International.



Worldwide representation.

Argentina • Australia • Austria • Bahrain • Belgium • Bolivia • Brazil • Bulgaria • Canada • Chile • China, People's Republic of • Colombia • Costa Rica • Croatia • Cyprus • Czech Republic • Denmark • Dominican Republic • Ecuador • Egypt • El Salvador • Finland • France • Germany • Ghana • Greece • Guatemala • Honduras • Hong Kong • Hungary • Iceland • India • Indonesia • Iran • Ireland-Eire • Israel • Italy • Jamaica • Japan • Jordan • Korea • Kuwait • Lebanon • Macau • Malaysia • Malta • Mexico • Morocco • The Netherlands • New Zealand • Nigeria • Norway • Oman • Pakistan • Panama • Peru • Philippines • Poland • Portugal • Puerto Rico • Qatar • Romania • Russia • Saudi Arabia • Singapore • Slovakia • Slovenia • South Africa, Republic of • Spain • Sweden • Switzerland • Taiwan • Thailand • Trinidad • Turkey • United Arab Emirates • United Kingdom • United States • Uruguay • Venezuela

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

Publication 42-2.0, July 1998
Supercedes Publication 42BCFK-7.0 and 42GR-7.4

Copyright 1998 Allen-Bradley Company, Inc. Printed in USA