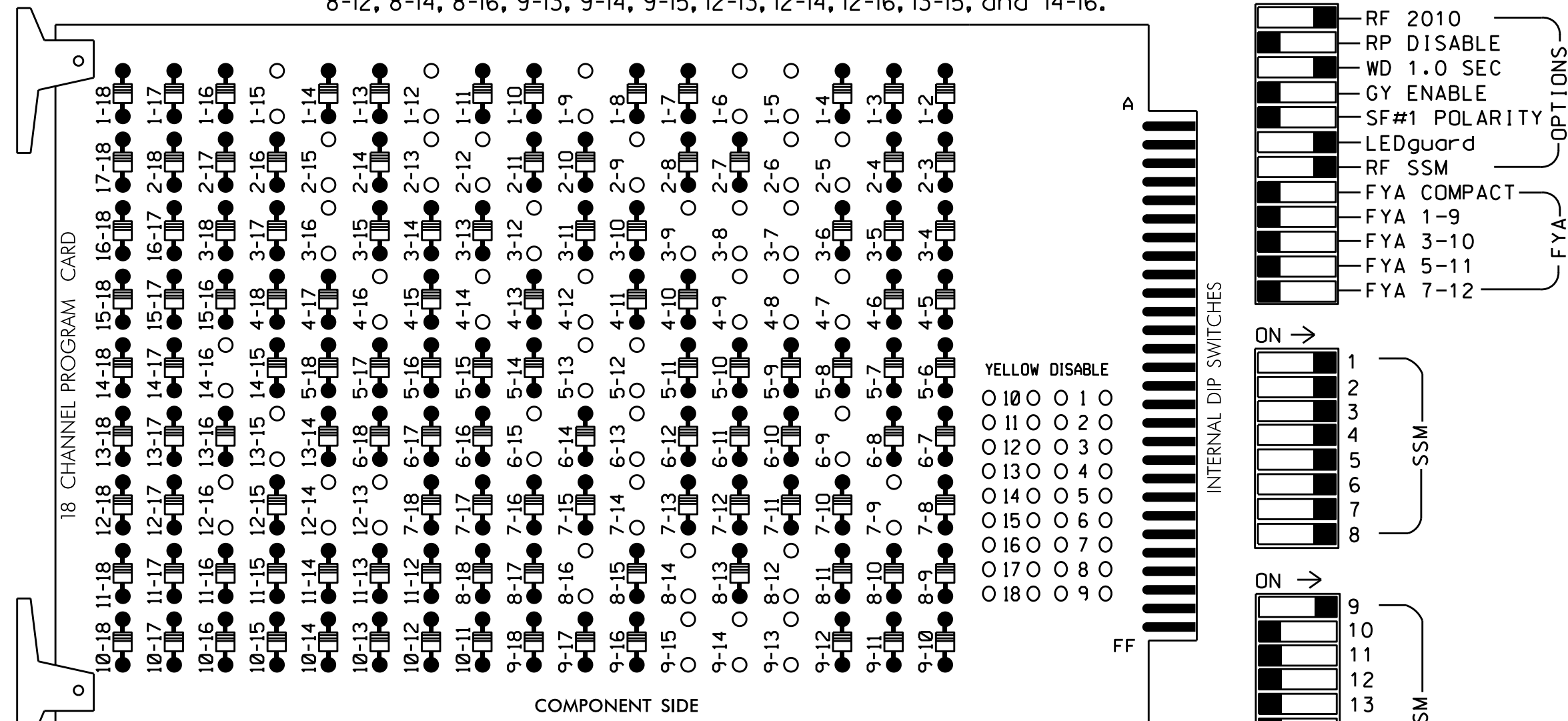


EDI MODEL 2018EClip-NC CONFLICT MONITOR

PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

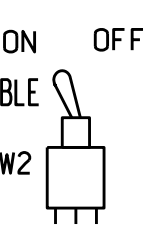
REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-12, 1-15, 2-5, 2-6, 2-9, 2-12, 2-13, 2-15, 3-7, 3-8, 3-9, 3-12, 3-16, 4-7, 4-8, 4-9, 4-12, 4-14, 4-16, 5-12, 5-13, 6-9, 6-13, 6-15, 7-9, 7-14, 8-12, 8-14, 8-16, 9-13, 9-14, 9-15, 12-13, 12-14, 12-16, 13-15, and 14-16.



REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.



NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for volume density operation.
- Program controller to start up in phase 2 Walk and 6 Walk.
- The cabinet and controller are part of the Fayetteville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8,S9,S10,
 S11,S12,AUX S1,AUX S5
 PHASES USED.....1,2,2PED,3,4,4PED,5,5PED,
 6,6PED,7,8,8PED
 OVERLAP A.....6+7
 OVERLAP B.....NOT USED
 OVERLAP C.....NOT USED
 PED OVERLAP 5.....5+8

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CNU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	5 PED	SPARE
SIGNAL HEAD NO.	11	21,22 23,24	P21, P22	31	41,42 43	P41, P42	51	61,62 63,64	P61, P62	71,72	81,82 83	P81, P82	65,66 67	NU	NU	NU	P51, P52	NU
RED		128			101			134			107		A121					
YELLOW		129			102			135			108		A122					
GREEN		130			103			136			109		A123					
RED ARROW	125			116			131			122								
YELLOW ARROW	126			117			132			123								
GREEN ARROW	127			118			133			124								
Hand icon			113			104			119			110						A101
Walking person icon			115			106			121			112						A103

NU = Not Used

Remove, tape and label the conflict monitor wire attached to field terminal A102, and install a yellow flash program block for load switch AUX S5.

INPUT FILE POSITION LAYOUT

(front view)

FILE U	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
U	∅ 1 1A	∅ 2/SYS 2A/S2A	∅ 2/SYS 2C/S2C	S 3A	∅ 3 4A	∅ 4 4C	∅ 4 4B	S 5 PED	S 6 PED	S 7 PED	S 8 PED	S 9 PED	S 10 PED	S 11 PED	FS
L	NOT USED	∅ 2/SYS 2B/S2B	NOT USED	NOT USED	∅ 4 4B	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	ST
U	∅ 5 5A	∅ 6/SYS 6A/S6A	∅ 6/SYS 6C/S6C	S 7A	∅ 7 8A	∅ 8 8C	∅ 8 8E	S 9 PED	S 10 PED	S 11 PED	S 12 PED	S 13 PED	S 14 PED	S 15 PED	S 16 PED
L	NOT USED	∅ 6/SYS 6B/S6B	NOT USED	NOT USED	∅ 7 7B	∅ 8 8B	∅ 8 8D	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED

EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
 ST = STOP TIME

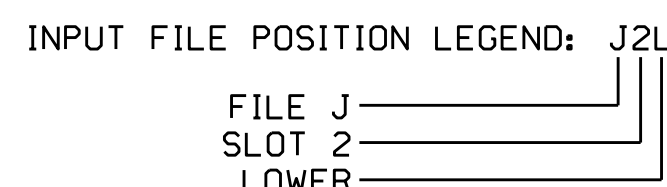
NOTE: The input function for slot 19-U (Detector 11) has been remapped. See sheet 2 for details.

IMPORTANT: Remove surge protection from TB6-9 and TB6-10, and from TB6-11 and TB6-12.

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A	TB2-1,2	I1U	56	1	1	YES			S
2A/S2A	TB2-5,6	I2U	39	2	2/SYS	YES			N
2B/S2B	TB2-7,8	I2L	43	12	2/SYS	YES			N
2C/S2C	TB2-9,10	I3U	63	32	2/SYS	YES			N
3A	TB4-5,6	I5U	58	3	3	YES			S
4A	TB4-9,10	I6U	41	4	4	NO	2.5		S
4B	TB4-11,12	I6L	45	14	4	YES			S
4C	TB6-1,2	I7U	65	34	4	YES		15	S
5A	TB3-1,2	J1U	55	5	5	YES		3	S
6A/S6A	TB3-5,6	J2U	40	6	6/SYS	YES			N
6B/S6B	TB3-7,8	J2L	44	16	6/SYS	YES			N
6C/S6C	TB3-9,10	J3U	64	36	6/SYS	YES			N
7A	TB5-5,6	J5U	57	7	7	YES			S
7B	TB5-7,8	J5L	57	7	7	YES			S
8A	TB5-9,10	J6U	42	8	8	NO	2.5		S
8B	TB5-11,12	J6L	46	18	8	NO	2.5		S
8C	TB7-1,2	J7U	66	38	8	YES			S
8D	TB7-3,4	J7L	79	48	8	YES			S
8E	TB7-5,6	J8U	50	28	8	YES		15	S
PED PUSH BUTTONS									
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED				
P41,P42	TB8-5,6	I12L	69	PED 4	4 PED				
P51,P52	TB6-9,10	I9U	60	PED 5	5 PED				
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED				
P81,P82	TB8-8,9	I13L	70	PED 8	8 PED				

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS 19, 112 AND 113.



COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0212
 DESIGNED: May 2016
 SEALED: 9/2/2016
 REVISED: N/A

Electrical Detail - Sheet 1 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:
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SR 1007 (Owen Drive)
 at
 SR 1141 (Cumberland Road)

Division 6 Cumberland County Fayetteville
 PLAN DATE: August 2016 REVIEWED BY: BAS
 PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

Seal of Keith M. Mims, Professional Engineer, No. 036880, State of North Carolina.

DocuSigned by: Keith M. Mims 10/10/2016
 SIG. INVENTORY NO. 06-0212

10-0017-2016 11/14
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