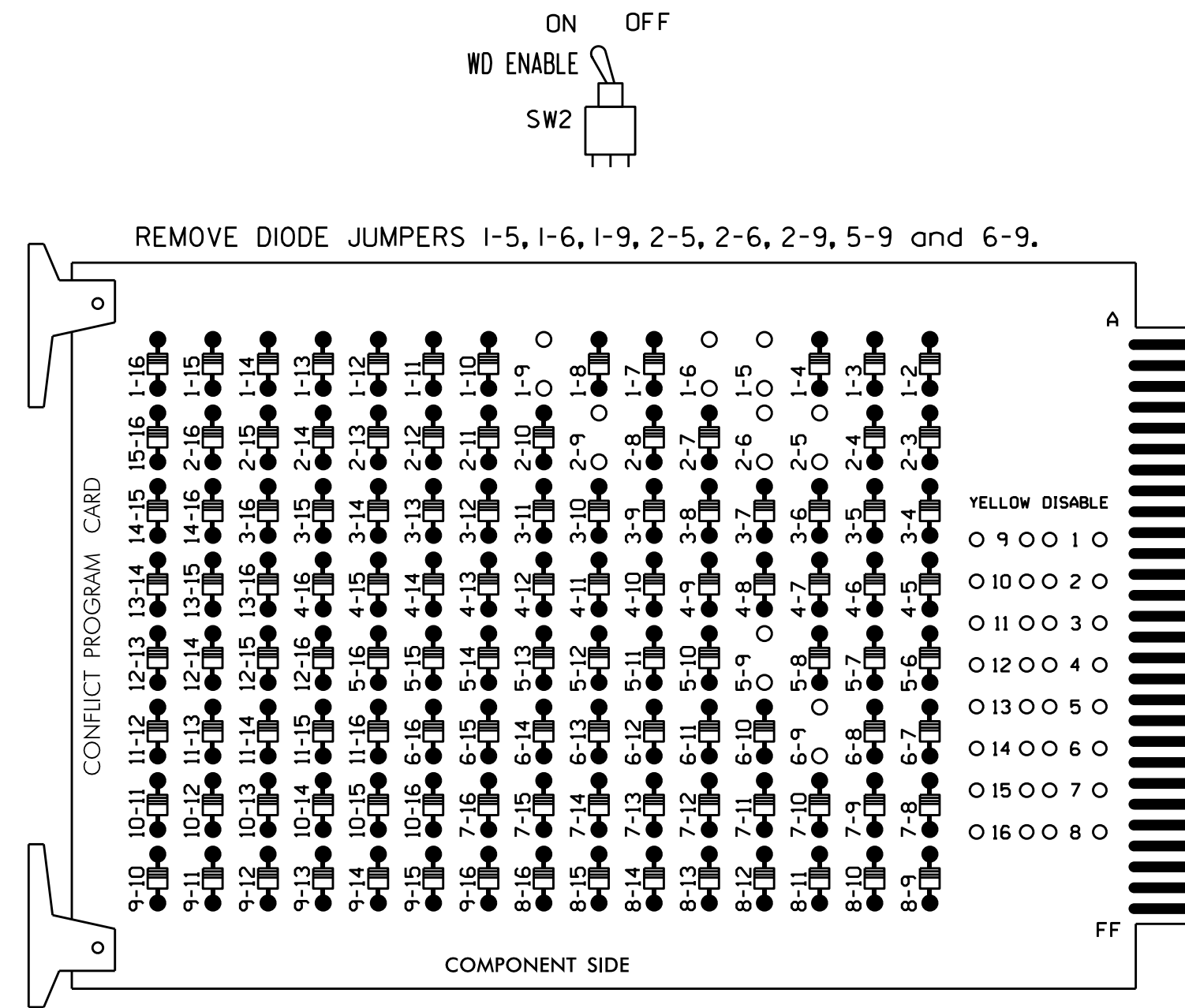


**EDI MODEL 2010ECL-NC CONFLICT MONITOR
PROGRAMMING DETAIL**

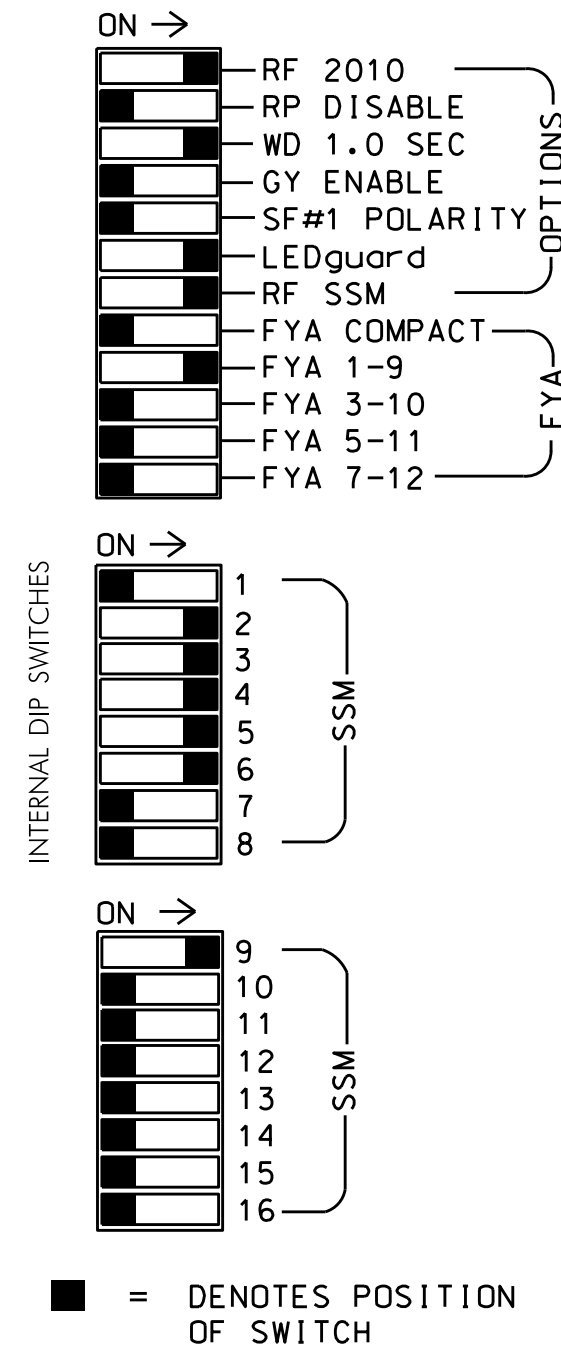
(remove jumpers and set switches as shown)



REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Make sure jumpers SEL2-SEL5 are present on the monitor board.



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.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on used monitor channels, tie unused red monitor inputs 1,7,8, 10,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2 and 6 for Yellow Flash, and overlap 1 as Wag Overlaps.
- The cabinet and controller are part of the Fayetteville Signal System.

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11*	21,22	NU	31,32	33,34	41	42	NU	51,52	34	61,62	NU	NU	NU	NU	11*	NU	NU
RED		128		131	101	101		134										
YELLOW	*	129		132	102	102		135										
GREEN		130		133	103	103		136										
RED ARROW				131				131								A121		
YELLOW ARROW				132				132	132							A122		
FLASHING YELLOW ARROW																A123		
GREEN ARROW	127			133		103		133	133									

NU = Not Used

* Denotes install load resistor. See Load Resistor Installation Detail this sheet.

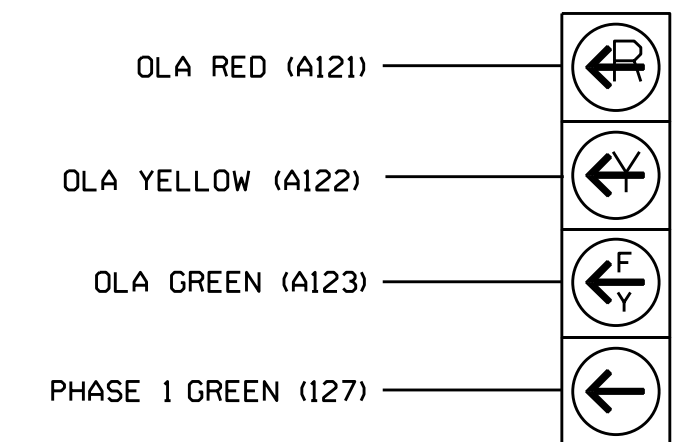
* See pictorial of head wiring in detail below.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
 CABINET.....332
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 (12-STD,6-AUX)
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S9
 PHASES USED.....1,2,3,4,5,6
 OVERLAP 'A'.....1+2
 OVERLAP 'B'.....NOT USED
 OVERLAP 'C'.....NOT USED
 OVERLAP 'D'.....NOT USED

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



11

NOTE:

The display sequence for signal head 11 requires special logic programming. See sheet 2 for programming instructions.

INPUT FILE POSITION LAYOUT

(front view)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I" U	∅ 1 1A	∅ 2 2A	∅ 5 -OF-S	∅ 5 -OF-S	∅ 3 3A	∅ 4 4A	∅ 5 -OF-S	∅ 5 -OF-S	∅ 3 3C	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	FS DC ISOLATOR
FILE "I" L	NOT USED	∅ 2 2B	∅ 5 -OF-S	∅ 5 -OF-S	NOT USED	∅ 4 4B	∅ 5 -OF-S	∅ 5 -OF-S	∅ 3 3B	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	ST DC ISOLATOR
FILE "J" U	∅ 5 5A	∅ 6 6A,6B 6C	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S
FILE "J" L	NOT USED	NOT USED	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S	∅ 5 -OF-S

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

FS = FLASH SENSE
 ST = STOP TIME

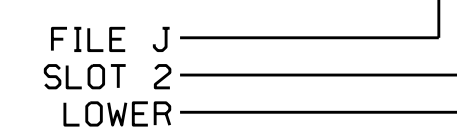
⊗ Wired Input - Do not populate slot with detector card

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A ¹	TB2-1,2	I1U	56	18	1	1	Y	Y			15
2A	TB2-5,6	I2U	48	10	26	6	Y	Y			
2B	TB2-7,8	I2L	39	1	2	2	Y	Y			
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			
3B	TB6-11,12	I9L	62	24	13	3	Y	Y			3
3C	TB6-9,10	I9U	60	22	11	3	Y	Y			10
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			3
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			10
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			
5B	TB5-5,6	J5U	57	19	7	5	Y	Y			
5C	TB7-9,10	J9U	59	21	15	5	Y	Y			15
6A,6B,6C	TB3-5,6	J2U	40	2	6	6	Y	Y			

¹Add jumper from I1-W to J4-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL



ACCEPTABLE VALUES	
VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-003713
 DESIGNED: July 2015
 SEALED: 8/25/15
 REVISED: N/A

Signal Upgrade - Sheet 1 of 2 - Temp 3 Phase 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:		NC 24 (Bragg Boulevard) at West Rowan Street		SEAL	
Prepared in the Offices of:		Division 6 Cumberland County Fayetteville		NORTH CAROLINA PROFESSIONAL SEAL 022013 ENGINEER GEORGE C. BROWN	
PLAN DATE: July 2015	REVIEWED BY:	PREPARED BY: B. Simmons	REVIEWED BY:	DocuSigned by: George C. Brown	8/27/2015
REVISIONS	INIT.	DATE			

750 N. Greenfield Pkwy, Garner, NC 27529

SIG. INVENTORY NO. 06-003713

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