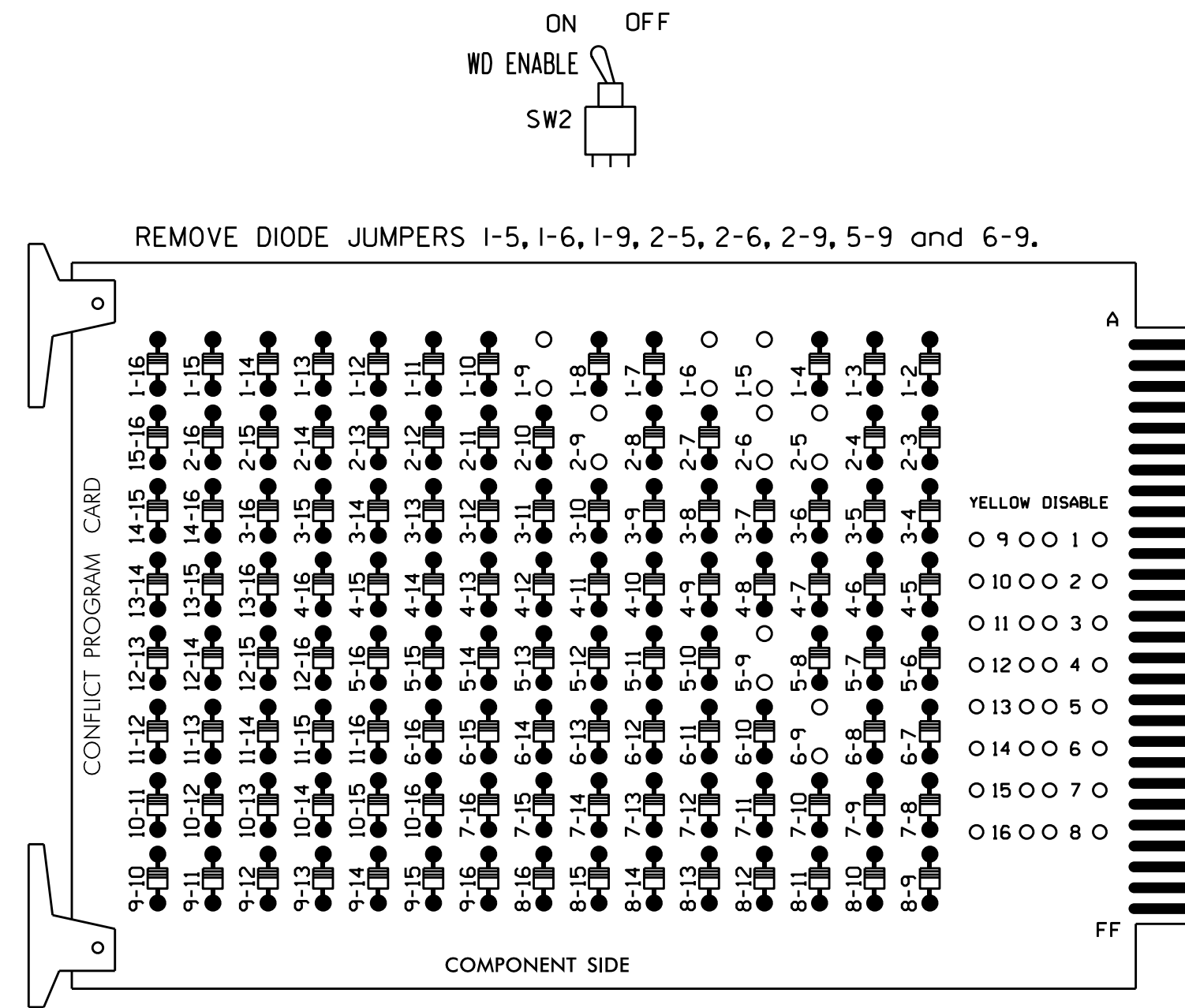


EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

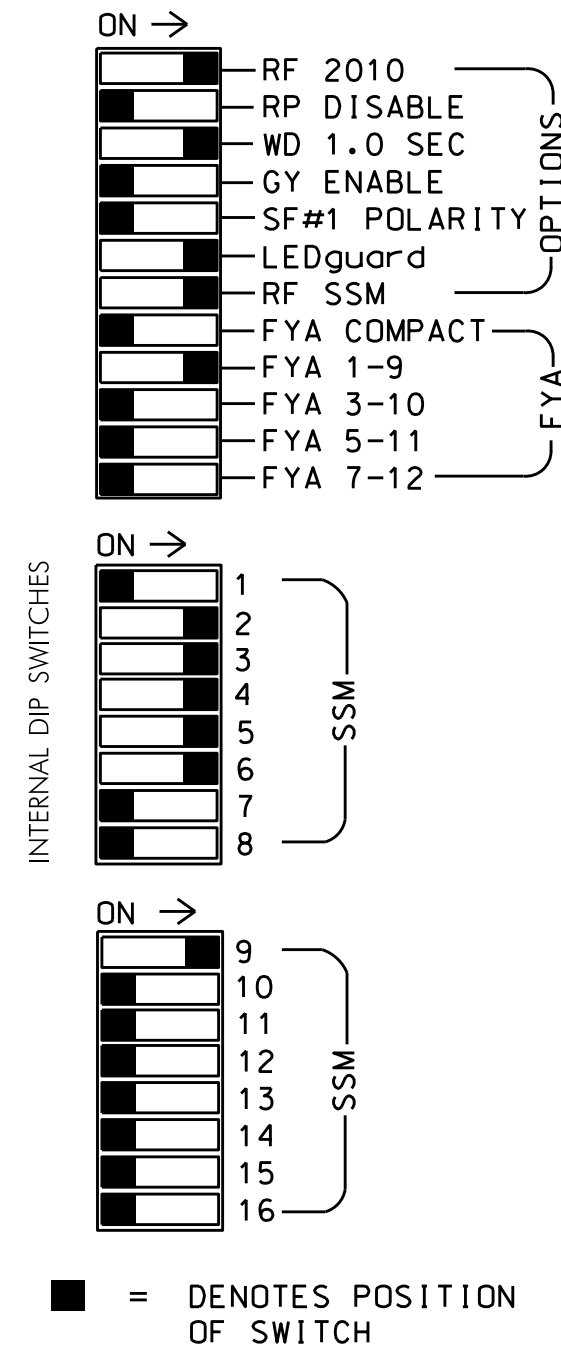


REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 2-5, 2-6, 2-9, 5-9 and 6-9.

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.



■ = DENOTES POSITION OF SWITCH

INPUT FILE POSITION LAYOUT

(front view)

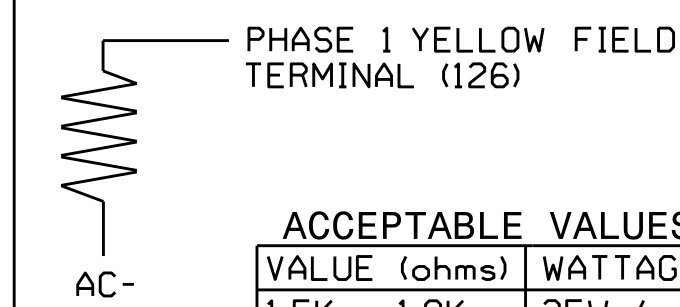
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I" U	∅ 1 1A	∅ 2 2A	∅ 5 5A	∅ 5 5B	∅ 3 3A	∅ 4 4A	∅ 5 5C	∅ 5 5D	∅ 5 5E	∅ 5 5F	∅ 5 5G	∅ 5 5H	∅ 5 5I	FS DC ISOLATOR
FILE "I" L	NOT USED	∅ 2 2B	∅ 6 6A, 6B, 6C	∅ 5 5B	NOT USED	∅ 4 4B	∅ 5 5C	∅ 5 5D	∅ 5 5E	∅ 5 5F	∅ 5 5G	∅ 5 5H	∅ 5 5I	ST DC ISOLATOR
FILE "J" U	∅ 5 5A	∅ 6 6A, 6B, 6C	∅ 5 5B	∅ 5 5C	∅ 5 5D	∅ 5 5E	∅ 5 5F	∅ 5 5G	∅ 5 5H	∅ 5 5I	∅ 5 5J	∅ 5 5K	∅ 5 5L	∅ 5 5M
FILE "J" L	NOT USED	NOT USED	∅ 5 5B	∅ 5 5C	∅ 5 5D	∅ 5 5E	∅ 5 5F	∅ 5 5G	∅ 5 5H	∅ 5 5I	∅ 5 5J	∅ 5 5K	∅ 5 5L	∅ 5 5M

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

FS = FLASH SENSE
ST = STOP TIME

⊗ Wired Input - Do not populate slot with detector card

LOAD RESISTOR INSTALLATION DETAIL



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

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	41	42	NU	51,52	33	61,62	NU	NU	NU	11	NU	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.

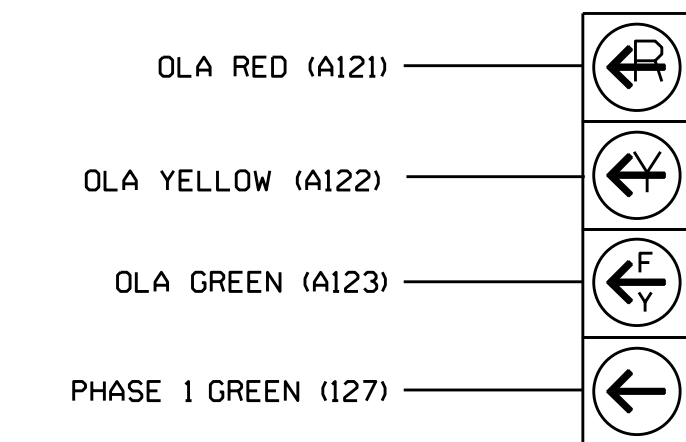
* See pictorial of head wiring in detail below.

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:

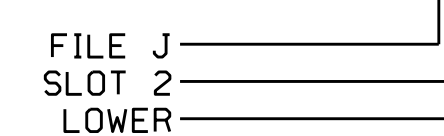
The display sequence for signal head 11 requires special logic programming. See sheet 2 for programming instructions.

INPUT FILE 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	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			3
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



Signal Upgrade - Sheet 1 of 2 - Temp 4 Phase 2 Steps 3 & 4

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared in the Offices of: Traffic Signal and Safety Systems, Inc. Signal Management Systems 750 N. Greenfield Pkwy, Garner, NC 27529	NC 24 (Bragg Boulevard) at West Rowan Street		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022013 GEORGE C. BROWN
	Division 6 PLAN DATE: July 2015 PREPARED BY: B. Simmons	Cumberland County REVIEWED BY: REVIEWED BY:	
REVISIONS:			INIT. DATE:
SIG. INVENTORY NO. 06-0037T4			DATE: