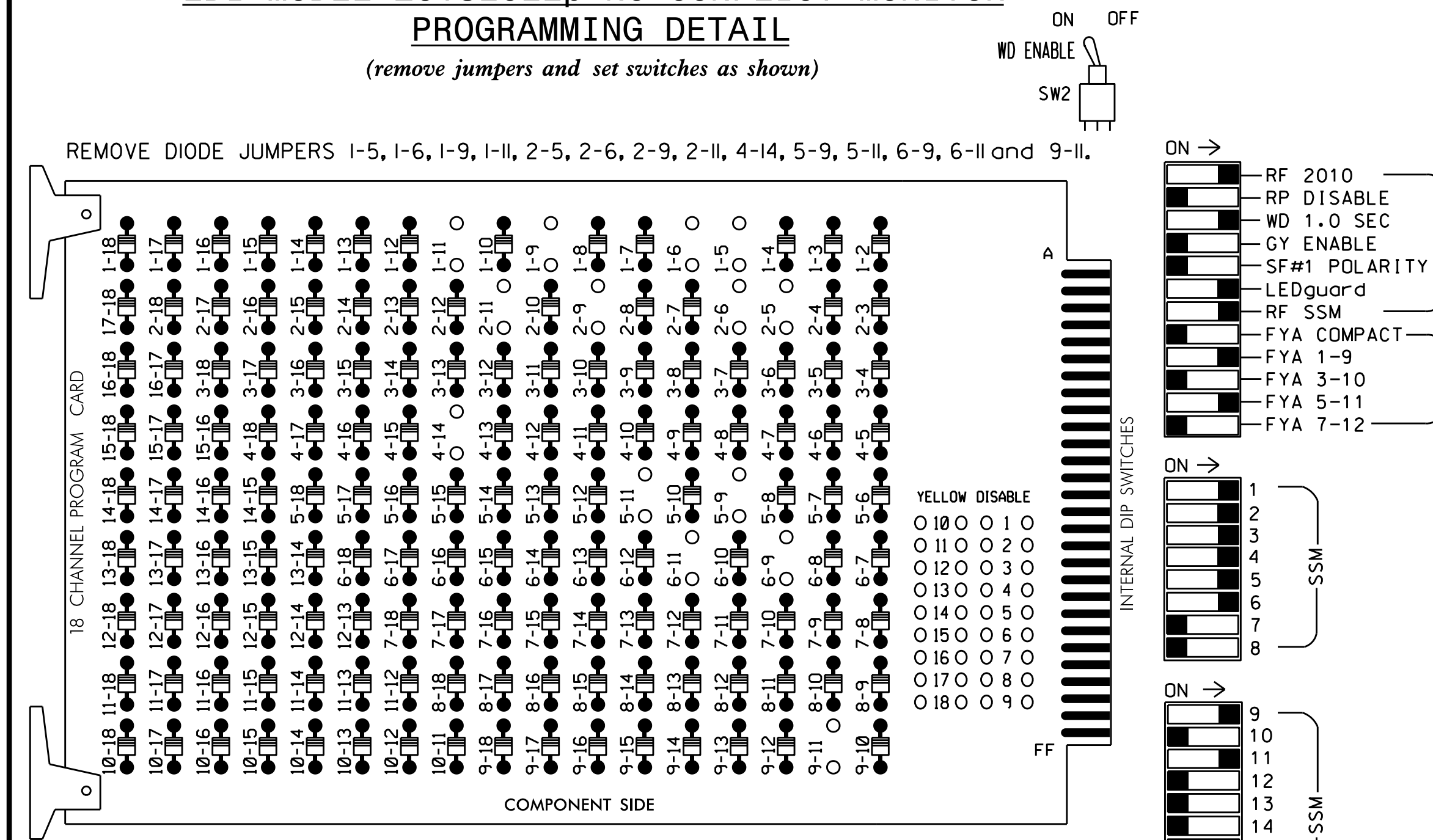


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches 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 Green and 6 Green.
- 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,S4,S5,S6,S7,S8,AUX S1,
 AUX S4
 PHASES USED.....1,2,3,4,5,6,4 PED
 OVERLAP "A".....*
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED
 * See overlap programming detail on sheet 2

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						
CMU 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	OLD	SPARE						
SIGNAL HEAD NO.	11*	32	22,23	NU	31	32	41	42	63	P41, P42	42	51*	62,63	NU	NU	NU	NU	11*	NU	NU	51*	NU	NU	
RED	*	128		116	116	101	101				*	134												
YELLOW		129		117	117	102	102					135												
GREEN		130		118	118	103	103					136												
RED ARROW																								
YELLOW ARROW	126					102	132																	
FLASHING YELLOW ARROW																								
GREEN ARROW	127	127		118	103	103	133	133																
Hand icon							104																	
Person icon							106																	

NU = Not Used

* Denotes install load resistor. See load resistor installation detail this sheet.

* See pictorial of head wiring in detail this sheet.

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅ 1	∅ 2	∅ 3	∅ 4	∅ 5	∅ 6	∅ 7	∅ 8	∅ 9	∅ 10	∅ 11	∅ 12	∅ 13
L	1A	1B	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A
U	NOT USED	NOT USED	∅ 2	∅ 3	∅ 4	∅ 5	∅ 6	∅ 7	∅ 8	∅ 9	∅ 10	∅ 11	∅ 12	∅ 13
L	5A	5B	6A	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B	13B

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

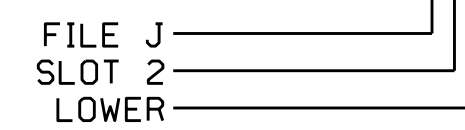
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A ¹	TB2-1,2	J1U	56	1*	1	YES		15	S
		J4U	48	26*	6	YES		3	G
1B	TB2-5,6	J2U	39	2	1	YES		15	S
2A	TB2-9,10	J3U	63	32	2	YES			N
2B	TB2-11,12	J3L	76	42	2	YES			N
3A	TB4-5,6	J5U	58	3	3	YES			S
3B	TB4-7,8	J5L	58	3	3	YES			S
4A	TB4-9,10	J6U	41	4	4	YES			S
4B	TB4-11,12	J6L	45	14	4	YES			S
5A ²	TB3-1,2	J1U	55	5*	5	YES		15	S
		J4U	47	22*	2	YES		3	G
5B	TB3-5,6	J2U	40	6	5	YES		15	S
6A	TB3-9,10	J3U	64	36	6	YES			N
6B	TB3-11,12	J3L	77	46	6	YES			N
PED PUSH BUTTONS									
P41,P42	TB8-5,6	J12L	69	PED 4	4 PED				

NOTE:

INSTALL A DC ISOLATOR IN INPUT FILE SLOT 112.

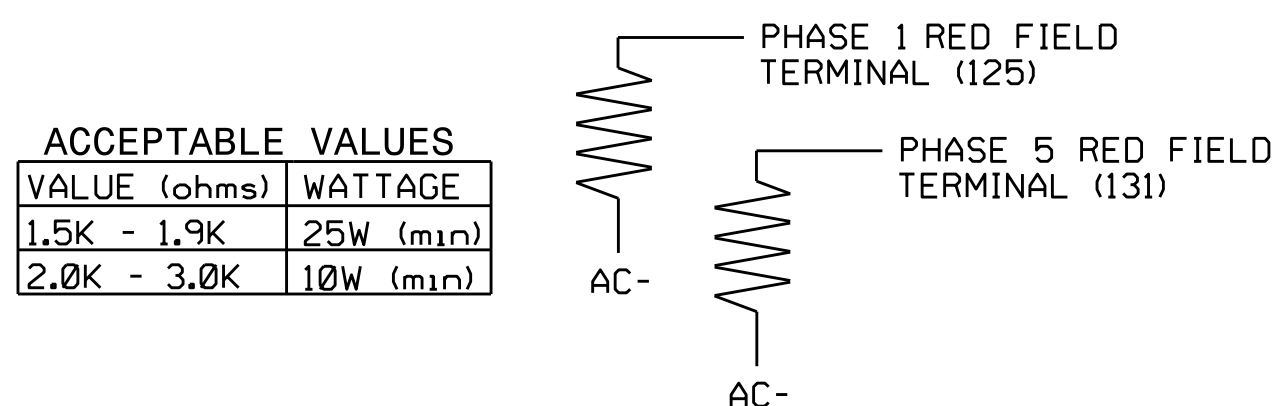
- Add jumper from I1-W to J4-W, on rear of input file.
 - Add jumper from J1-W to I4-W, on rear of input file.
- * See vehicle detector setup programming detail for alternate phasing on sheet 2.

INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL

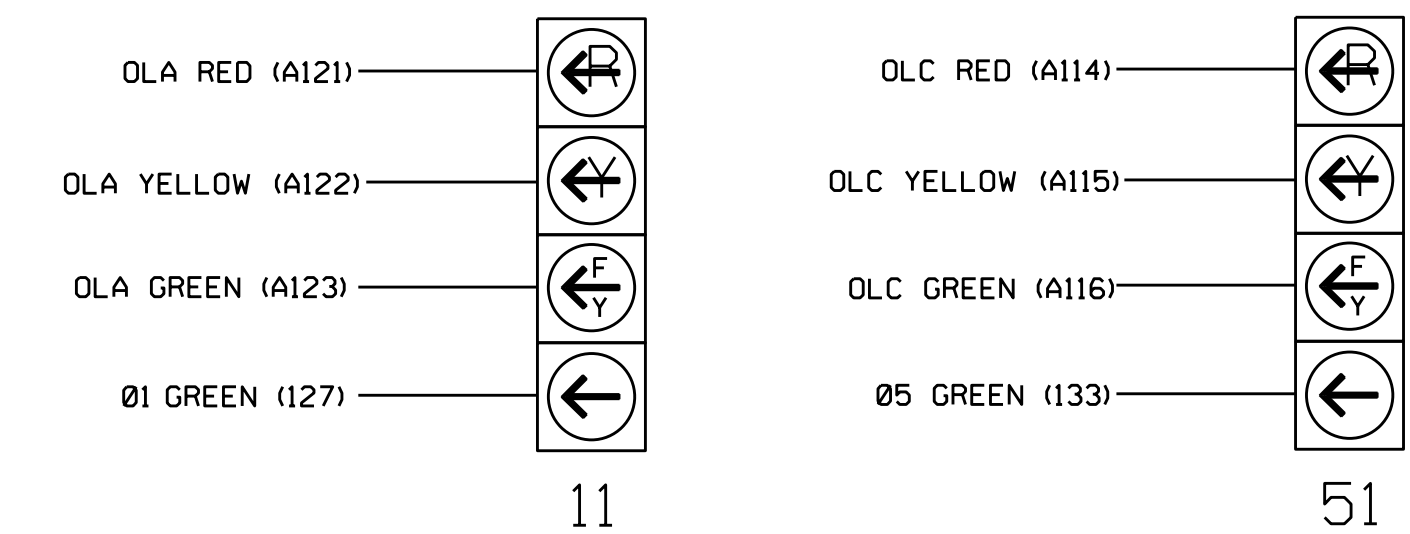
(install resistors as shown)



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

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0448
 DESIGNED: August 2016
 SEALED: 10-07-16
 REVISED: N/A

Electrical Detail Sheet 1 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared In the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	US 401 (Ramsey Street) at SR 1615 (Stacy Weaver Drive) / Entrance to Methodist College		SEAL Keith M. Minns 10/31/2016
	Division 6 PLAN DATE: October 2016 PREPARED BY: James Peterson	Cumberland County REVIEWED BY: REVIEWED BY:	

SIG. INVENTORY NO. 06-0448