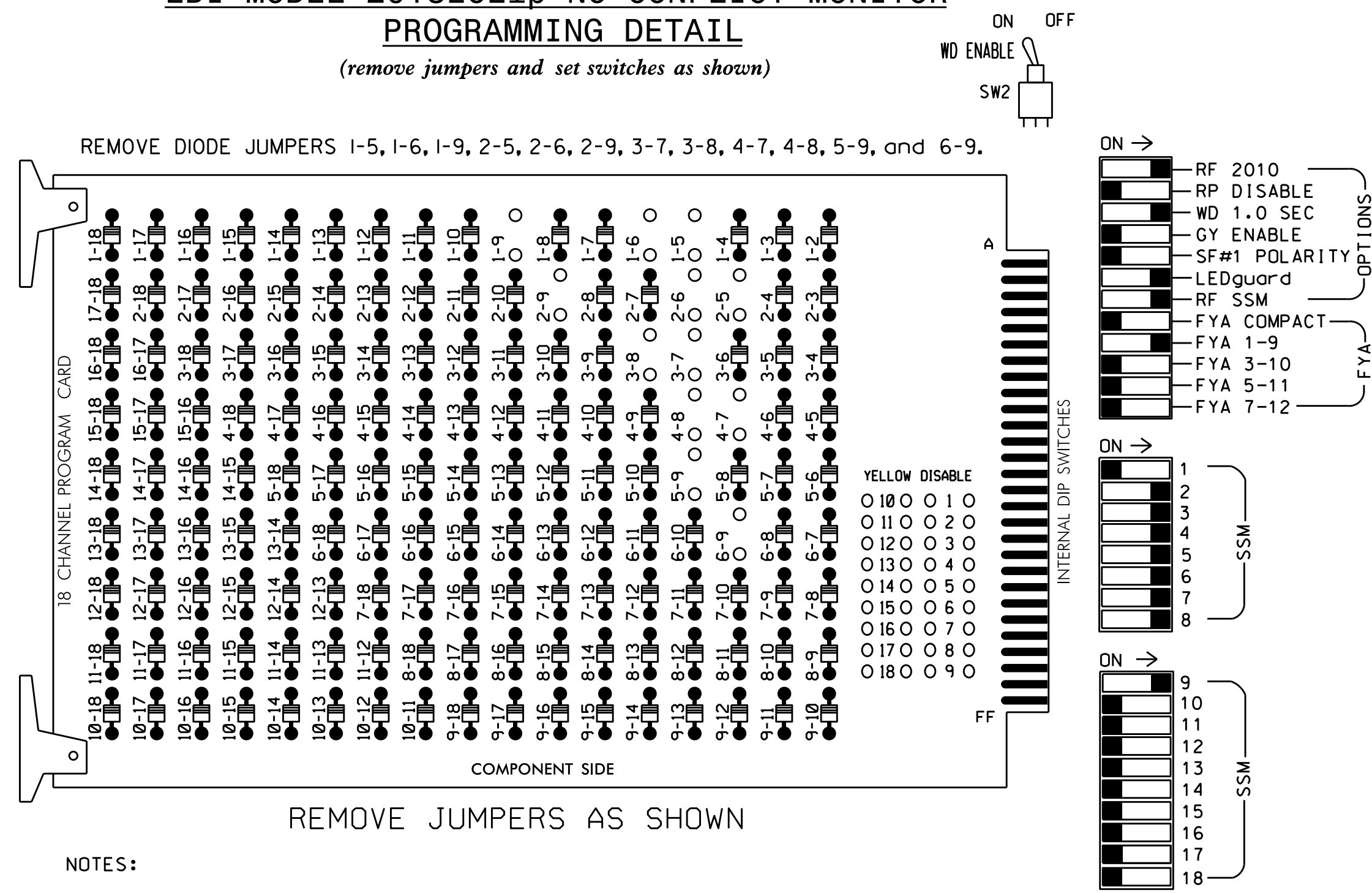


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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 Variable Initial and Gap Reduction.
- 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 High Point Signal System.

EQUIPMENT INFORMATION

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

* S3 USED FOR PILOT LAMP IN FIREHOUSE

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	21,22	EV** PILOT LAMP	31,32	41,42	NU	42	51,52	61,62	NU	62	71,72	81,82	NU	11	NU	NU	NU
RED		128			101				134				107					
YELLOW	*	129	* 114		102				135				108					
GREEN		130			103				136				109					
RED ARROW					116				131				122					A121
YELLOW ARROW					117				132	132			123	123				A122
FLASHING YELLOW ARROW																		A123
GREEN ARROW	127				118				133	133			124	124				
Hand icon																		
Person icon			*															

NU = Not Used

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

** See pictorial of head wiring in detail below.

** EV Pilot Lamp is located in Fire Station. See Lamp Notes on sheet 3.

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅ 2	-O-S	-O-S	-O-S	∅ 3	∅ 4	-O-S	SYS. DET. S1	-O-S	-O-S	-O-S	-O-S	FS
L	NOT USED	∅ 2	-O-S	-O-S	-O-S	∅ 3	∅ 4	-O-S	SYS. DET. S2	-O-S	-O-S	-O-S	-O-S	DC ISOLATOR ST
U	∅ 5	∅ 5	∅ 6	∅ 6	∅ 7	∅ 8	∅ 8	-O-S	-O-S	-O-S	-O-S	-O-S	-O-S	NOT USED
L	NOT USED	∅ 5	∅ 6	∅ 6	∅ 7	∅ 8	∅ 8	-O-S	-O-S	-O-S	-O-S	-O-S	-O-S	PRE2
														AC ISOLATOR

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

⊗ Wired Input - Do not populate slot with detector card

FS = FLASH SENSE

ST = STOP TIME

PRE2 = FIRE PREEMPT

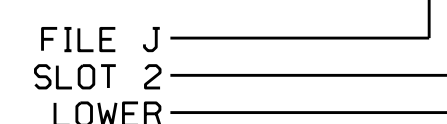
INPUT FILE CONNECTION & PROGRAMMING CHART

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
	-	J4U	48	10	26	6	Y	Y	Y		3
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
3A	TB4-9,10	I6U	41	3	4	3	Y	Y			
3B	TB4-11,12	I6L	45	7	14	3	Y	Y			
4A	TB6-1,2	I7U	65	27	34	4	Y	Y			
4B	TB6-3,4	I7L	78	40	44	4	Y	Y			
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			3
5B	TB3-5,6	J2U	40	2	6	5	Y	Y			
5C	TB3-7,8	J2L	44	6	16	5	Y	Y			15
6A	TB3-9,10	J3U	64	26	36	6	Y	Y			
6B	TB3-11,12	J3L	77	39	46	6	Y	Y			
7A	TB5-9,10	J6U	42	4	8	7	Y	Y			
7B	TB5-11,12	J6L	46	8	18	7	Y	Y			
8A	TB7-1,2	J7U	66	28	38	8	Y	Y			
8B	TB7-3,4	J7L	79	41	48	8	Y	Y			5
* S1	TB6-9,10	I9U	60	22	11	SYS					
* S2	TB6-11,12	I9L	62	24	13	SYS					

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

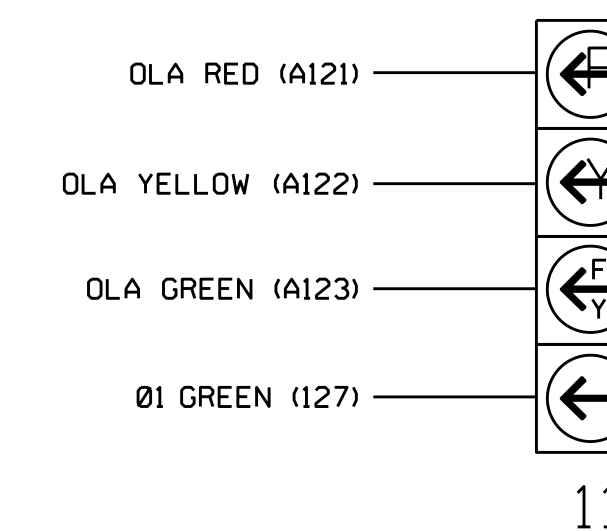
* System detector only. Remove the vehicle phase assigned to this detector in the default programming.

INPUT FILE POSITION LEGEND: J2L



FYA SIGNAL WIRING DETAIL

(wire signal head as shown)



NOTE

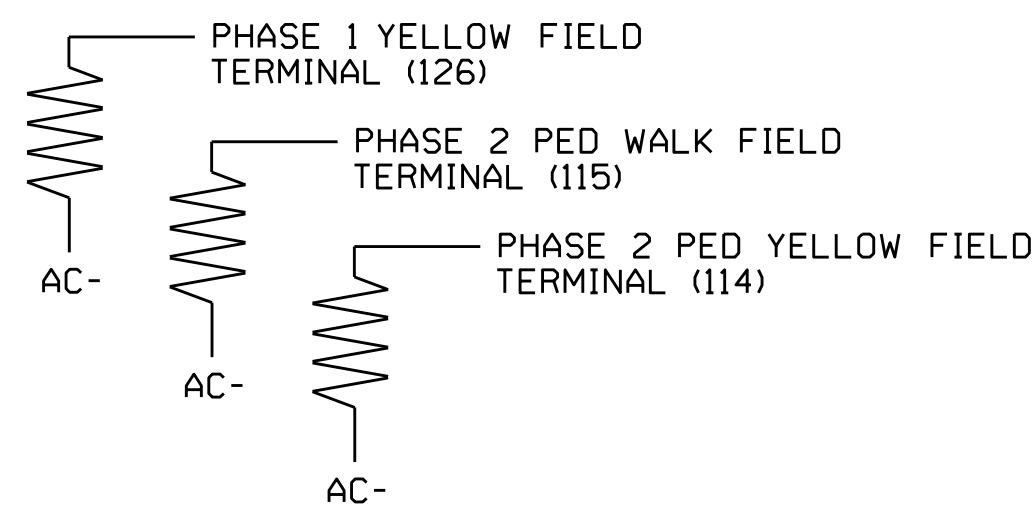
The sequence display for signal head 11 requires special logic programming. See sheet 2 for programming instructions.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-0493
 DESIGNED: November 2014
 SEALED: 3/4/2015
 REVISED: N/A

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)

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



Electrical Detail - Sheet 1 of 3

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared In the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	NC 68 (Eastchester Drive) at SR 1541 (W. Wendover Avenue) and SR 1820 (Skeet Club Road)		SEAL SEAL 008453 JOHN T. ROWE, P.E.
	Division 7 Guilford County High Point PLAN DATE: December 2014 PREPARED BY: S. Armstrong	REVIEWED BY: JTR REVIEWED BY:	
REVISIONS: _____ INIT. DATE: _____			DocuSigned by: John T. Rowe, Jr. 3/5/2015 841D80C145EE4F5 DATE: _____ SIG. INVENTORY NO. 07-0493