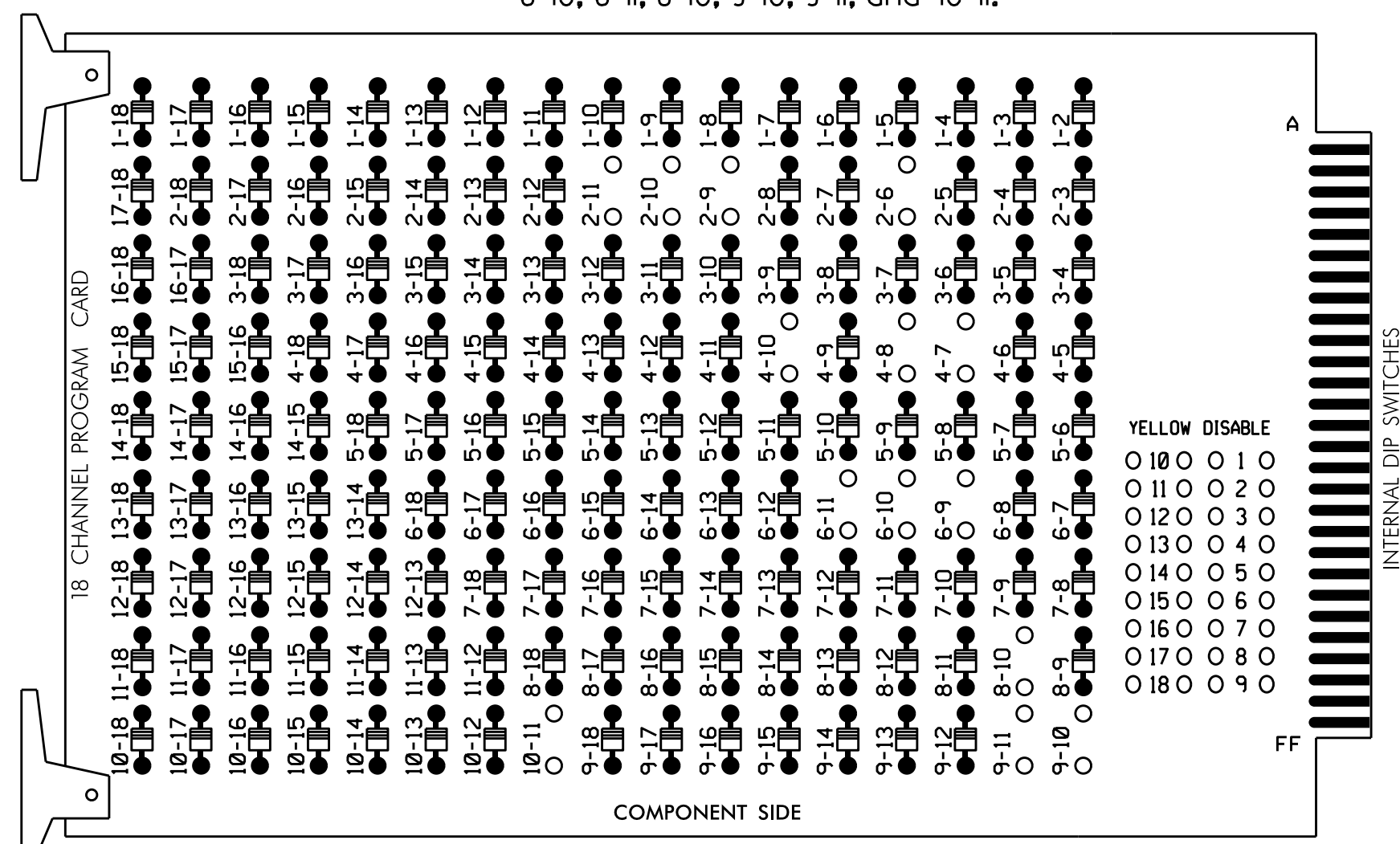


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR

PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

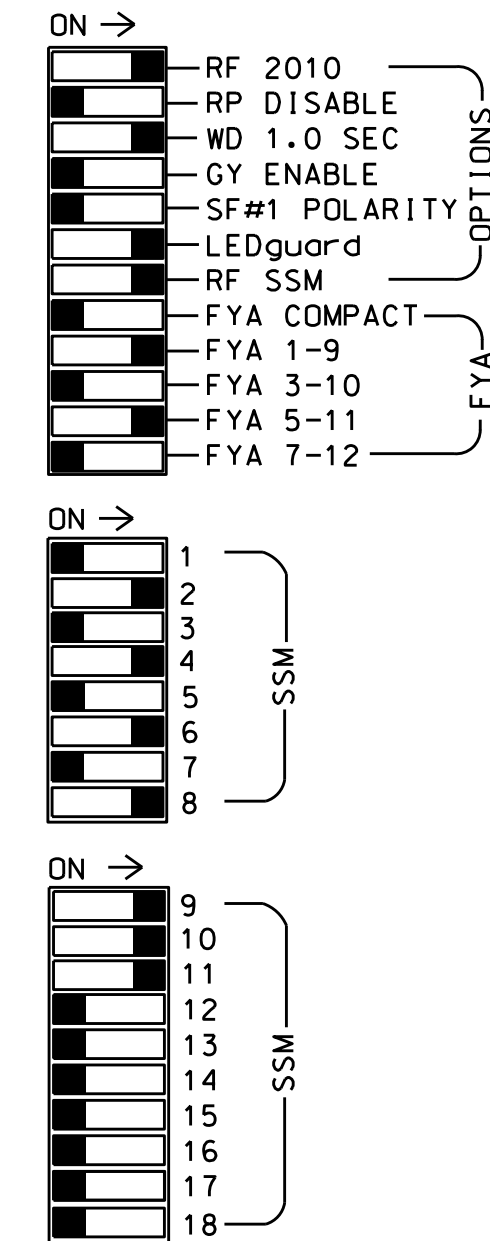
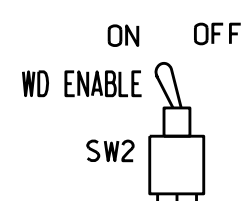
REMOVE DIODE JUMPERS 2-6, 2-9, 2-10, 2-11, 4-7, 4-8, 4-10, 6-9, 6-10, 6-11, 8-10, 9-10, 9-11, and 10-11.



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.



■ = DENOTES POSITION OF SWITCH

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.
- Program phases 4 and 8 for Dual Entry.
- 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 Prospect St. Closed Loop System.

EQUIPMENT INFORMATION

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

\* PHASE USED DURING PREEMPT ONLY

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.	NU	22,23	NU	NU	41,42,43	NU	NU	62,63	NU	41	81,82,83	NU	61	44,45	NU	21	NU	NU
RED		128			101			134			107			A124				
YELLOW		129			102			135		*	108			A125				
GREEN		130			103			136			109							
RED ARROW														A121			A114	
YELLOW ARROW														A122			A115	
FLASHING YELLOW ARROW														A123			A116	
GREEN ARROW										124								

NU = Not Used

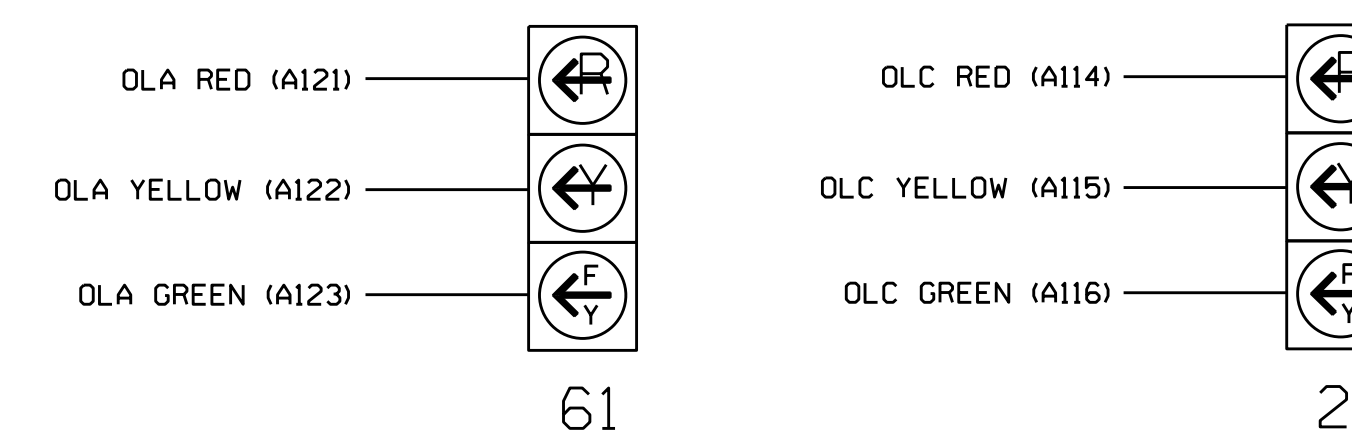
\* See pictorial of head wiring in detail below.

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

8" Flashing Yellow → A126

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
"I"	L	FS	∅2/SYS	∅2	∅4	∅4	∅4	∅4	∅4	∅4	∅4	∅4	∅4	∅4	∅4	FS
		DC ISOLATOR	2A/S1	2B	4A	4B	4C	4D	4E	4F	4G	4H	4I	4J	4K	4L
"J"	L	PRE1	∅6	∅6	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	PRE1
		AC ISOLATOR	6A	6B	8A	8B	8C	8D	8E	8F	8G	8H	8I	8J	8K	8L

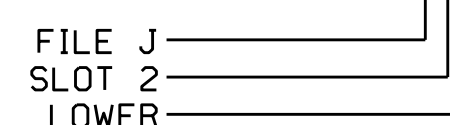
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
 ST = STOP TIME  
 PRE1 = RR 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
2A/S1	TB2-5,6	I2U	39	1	2	2/SYS	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			
4B	TB4-11,12	I6L	45	7	14	4	Y	Y	Y		5
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
6B	TB3-7,8	J2L	44	6	16	6	Y	Y			
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			3

INPUT FILE POSITION LEGEND: J2L



PREEMPT ONLY PHASE OMIT NOTE

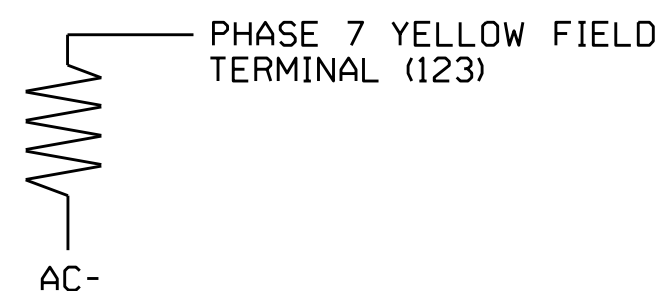
(program controller as shown below)

From Main Menu press '2' (Phase Control). Then '1' (Phase Control Functions). Program Phase 7 for 'Omit Phase' and Phases 2, 4, 6 and 8 for 'Startup Calls'. This is to prevent Phase 7 from being served when not in Preempt.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 08-0287  
 DESIGNED: February 2015  
 SEALED: 2/19/2015  
 REVISED: N/A

LOAD RESISTOR INSTALLATION DETAIL

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: SR 1619 (Prospect Street) at I-85 Bus./US 29 NB-70 EB Ramp and SR 1663 (Auction Road)

Prepared in the Offices of: TRANSPORTATION MOBILITY AND SAFETY DIVISION, NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, Signal Management Section, 750 N. Greenfield Pkwy, Garner, NC 27529

Division 8 Randolph County High Point

PLAN DATE: February 2015 REVIEWED BY: JTR

PREPARED BY: S. Armstrong REVIEWED BY:

SEAL: JOHN T. ROWE, PE, ENGINEER, 008453

DocuSigned by: John T. Rowe, Jr., 2/23/2015

SIG. INVENTORY NO. 08-0287

20-1-EE-2015-08-20  
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