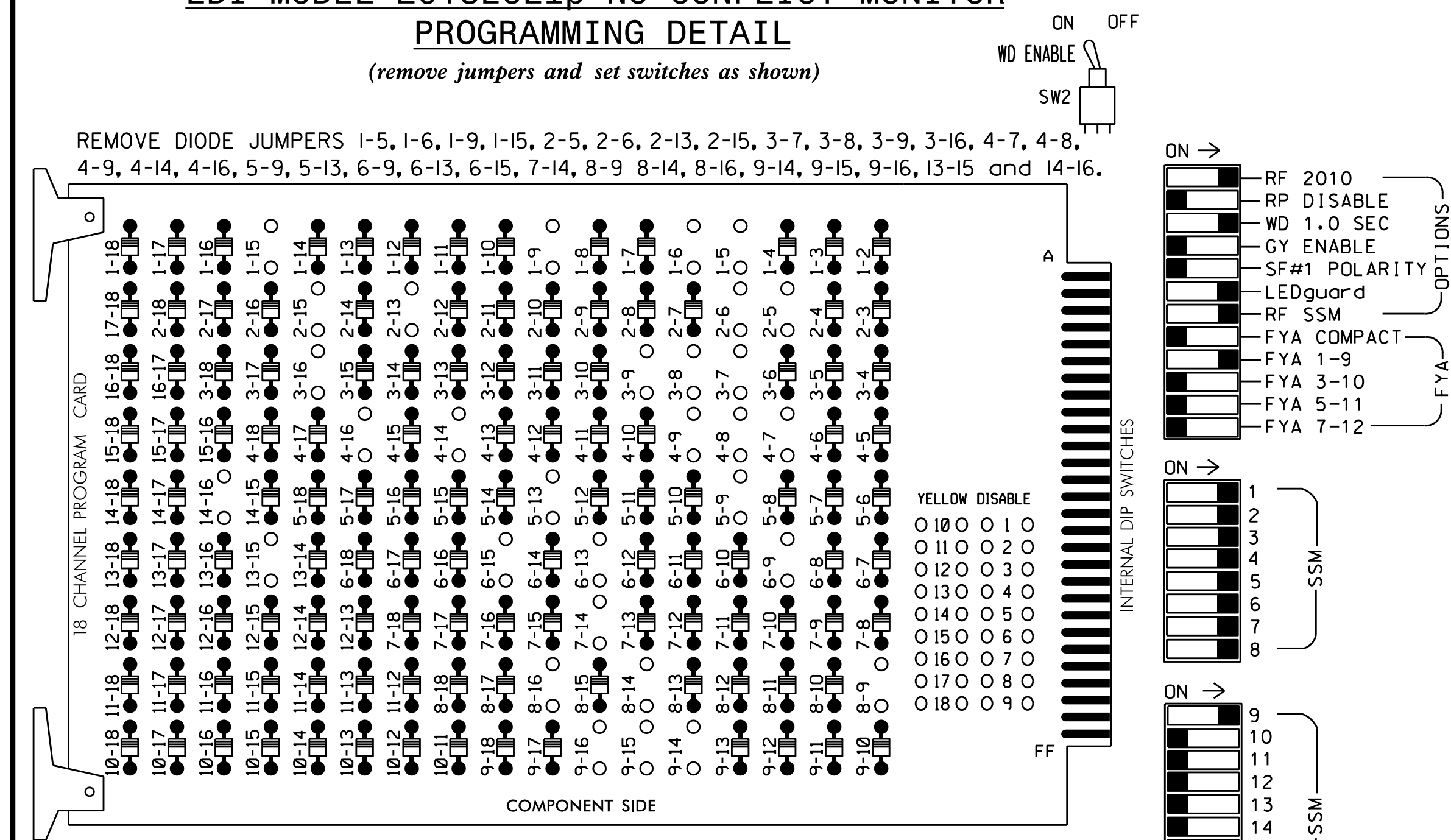


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.
- 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.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for volume density operation.
- Program controller to start up in phase 2 Walk and 6 Walk.
- 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,S3,S4,S5,S6,S7,S8,S9,
 S10,S11,S12,AUX S1
 PHASES USED.....1,2,3,4,5,6,7,8,2 PED,
 4 PED,6 PED,8 PED
 OVERLAP "A".....*
 OVERLAP "B".....NOT USED
 OVERLAP "C".....NOT USED
 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.	11,12	83,84	21,22	P21, P22	22	31,32	41,42	P41, P42	51	61,62	P61, P62	71	81,82	P81, P42	83,84	NU	NU	NU
RED		128			101			134				107		A121				
YELLOW		129			102			135				108						
GREEN		130			103			136				109						
RED ARROW	125				116			131				122						
YELLOW ARROW	126			117	117			132				123		A122				
FLASHING YELLOW ARROW														A123				
GREEN ARROW	127	127			118	118		133				124						
Hand					113			104				119						
Walking					115			106				121						

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	1C	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A
U	∅ 1	∅ 1	NOT USED	∅ 3	NOT USED	∅ 5	∅ 6	∅ 7	∅ 8	∅ 9	∅ 10	∅ 11	∅ 12	∅ 13
L	1B	1D	USED	3B	USED	5A	6A,6B	7A	8A	9A	10A	11A	12A	13A
U	∅ 5	∅ 6	∅ 7	∅ 8	∅ 9	∅ 10	∅ 11	∅ 12	∅ 13	∅ 14	∅ 15	∅ 16	∅ 17	∅ 18
L	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED

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

FS = FLASH SENSE
 ST = STOP TIME

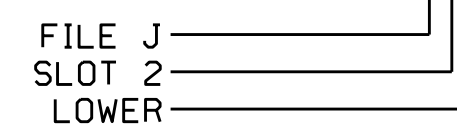
INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A	TB2-1,2	I1U	56	1	1	YES			S
1B	TB2-3,4	I1L	56	1	1	YES			S
1C	TB2-5,6	I2U	39	2	1	YES		15	S
1D	TB2-7,8	I2L	43	12	1	YES		15	S
2A	TB2-9,10	I3U	63	32	2	YES			S
3A	TB4-5,6	I5U	58	3	3	YES			S
3B	TB4-7,8	I5L	58	3	3	YES			S
4A	TB4-9,10	I6U	41	4	4	YES			S
*S2A	TB6-9,10	I9U	60	11	SYS	NO			N
*S2B	TB6-11,12	I9L	62	13	SYS	NO			N
5A	TB3-1,2	J1U	55	5	5	YES			S
6A,6B	TB3-5,6	J2U	40	6	6	YES			S
7A	TB5-5,6	J5U	57	7	7	YES			S
8A	TB5-9,10	J6U	42	8	8	YES			S
*S4A	TB7-9,10	J9U	59	15	SYS	NO			N
*S4B	TB7-11,12	J9L	61	17	SYS	NO			N
PED PUSH BUTTONS									
P21,P22	TB8-4,6	I12U	67	PED 2	2	PED			
P41,P42	TB8-5,6	I12L	69	PED 4	4	PED			
P61,P62	TB8-7,9	I13U	68	PED 6	6	PED			
P81,P82	TB8-8,9	I13L	70	PED 8	8	PED			

NOTE:
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

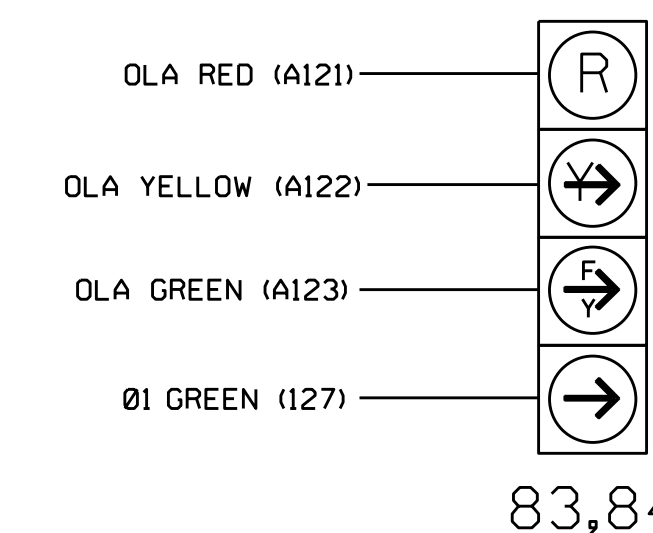
* System detector only. Remove any assigned vehicle phase.

INPUT FILE POSITION LEGEND: J2L



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



83,84

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0369
 DESIGNED: February 2016
 SEALED: 8-24-16
 REVISED: N/A

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

Electrical Detail Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:
 Transporatio Mobility and Safety Solutions
 750 N. Greenfield Pkwy, Garner, NC 27529

SR 1403 (Reilly Road) at SR 1404 (Morganton Road)

Division 6 Cumberland County Fayetteville

PLAN DATE: June 2016 REVIEWED BY: BAS

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: Keith M. Mims 9/13/2016

SIG. INVENTORY NO. 06-0369

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