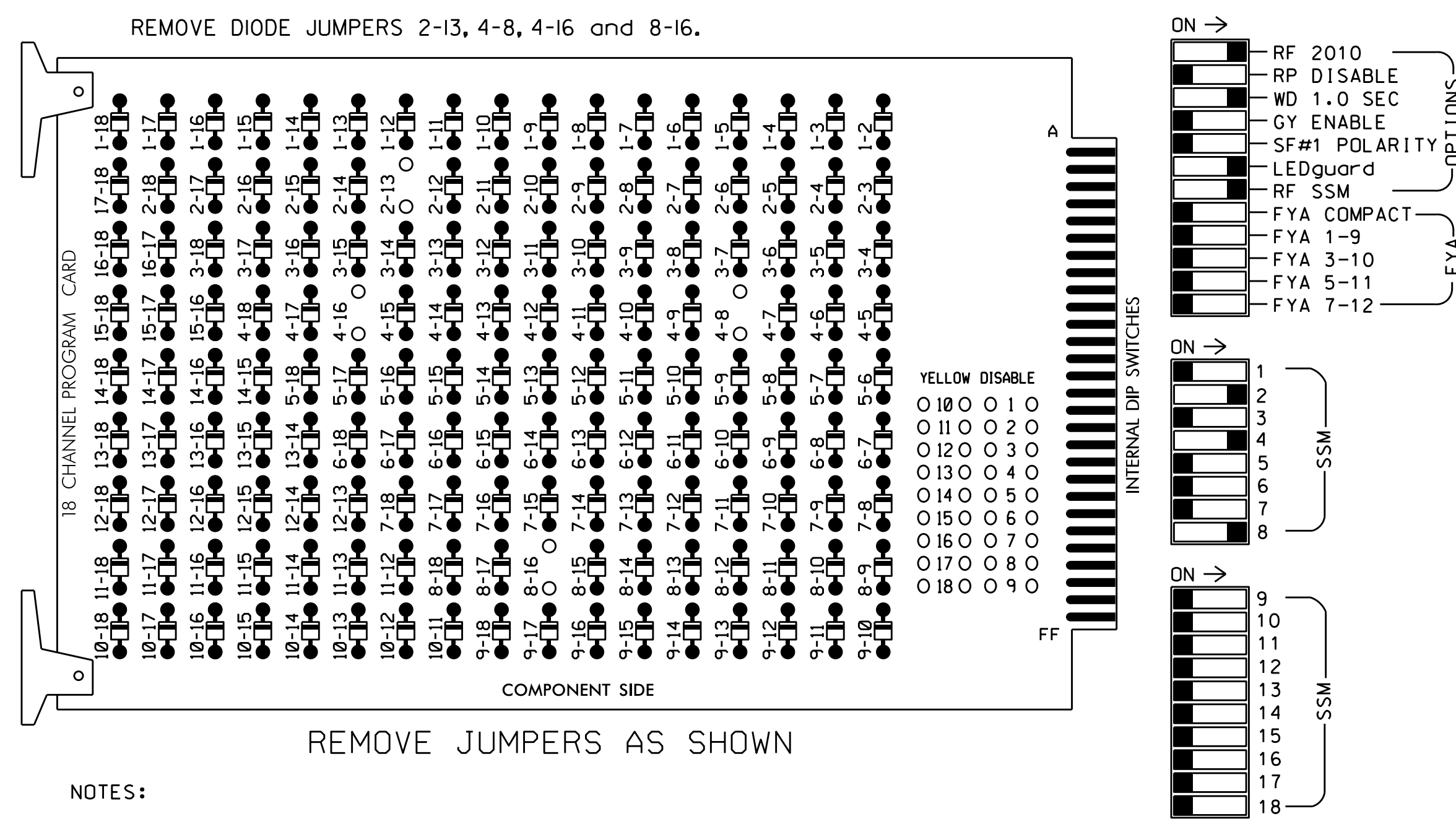


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

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 phase 2 for Gap Reduction.
- Program phase 2 for Start Up In Green.
- Program phases 2 and 8 for 'STARTUP PED CALL'.
- Program phases 2, 4 and 8 for Red Rest.
- The cabinet and controller are part of the NC 119 CLS.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332 W/AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 (12-STD; 6-AUX)
 LOAD SWITCHES USED.....S2,S3,S5,S11,S12
 PHASES USED.....2,2 PED,4,8,8 PED
 OVERLAP 'A'.....NOT USED
 OVERLAP 'B'.....NOT USED
 OVERLAP 'C'.....NOT USED
 OVERLAP 'D'.....NOT USED

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	21,22	24	P21, P22	NU	41,42, 43	NU	NU	NU	NU	81,82	83	P81, P82	NU	NU	NU	NU	NU
RED	128										107							
YELLOW	129										108							
GREEN																		
RED ARROW		128			101						107							
YELLOW ARROW		129			102						108							
GREEN ARROW	130	130			103					109	109							
Hand					113								110					
Person					115								112					

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅2/SYS	∅2/SYS	NOT USED	∅2	∅2/SYS	∅4	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2 PED DC ISOLATOR	NOT USED	FS DC ISOLATOR
L	2A/S1	2A/S1	2E	2E	4A	4A	4A	4A	4A	4A	4A	4A	4A	4A
U	∅2/SYS	∅2	NOT USED	∅4	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS
L	2B/S2	2D	2D	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
U	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8
L	8A	8A	8A	8A	8A	8A	8A	8A	8A	8A	8A	8A	8A	8A
U	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8	∅8
L	8B	8B	8B	8B	8B	8B	8B	8B	8B	8B	8B	8B	8B	8B

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

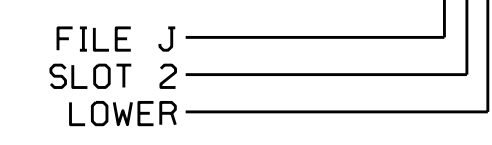
FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	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			
2B/S2	TB2-7,8	I2L	43	5	12	2/SYS		Y			
2D	TB2-11,12	I3L	76	38	42	2	Y	Y			
2E	TB4-1,2	I4U	47	9	22	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			
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			
8B	TB5-11,12	J6L	46	8	18	8	Y	Y			
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					
P81,P82	TB8-8,9	I13L	70	32	PED 8	8 PED					

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

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-0440T3
 DESIGNED: November 2016
 SEALED: 1/25/17
 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 - Temp 3 (TMP Phase IIB)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:

 Zachary M. Little, Professional Engineer

NC 119 at I-40 EB/I-85 NB Ramps

Division 7 Alamance County Mebane

PLAN DATE: January 2017 REVIEWED BY: BAS

PREPARED BY: B. SIMMONS REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: Zachary M. Little 1/30/2017 02:14:43 PM

750 N. Greenfield Pkwy, Garner, NC 27529

SIG. INVENTORY NO. 07-0440T3

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 bjs/simmons