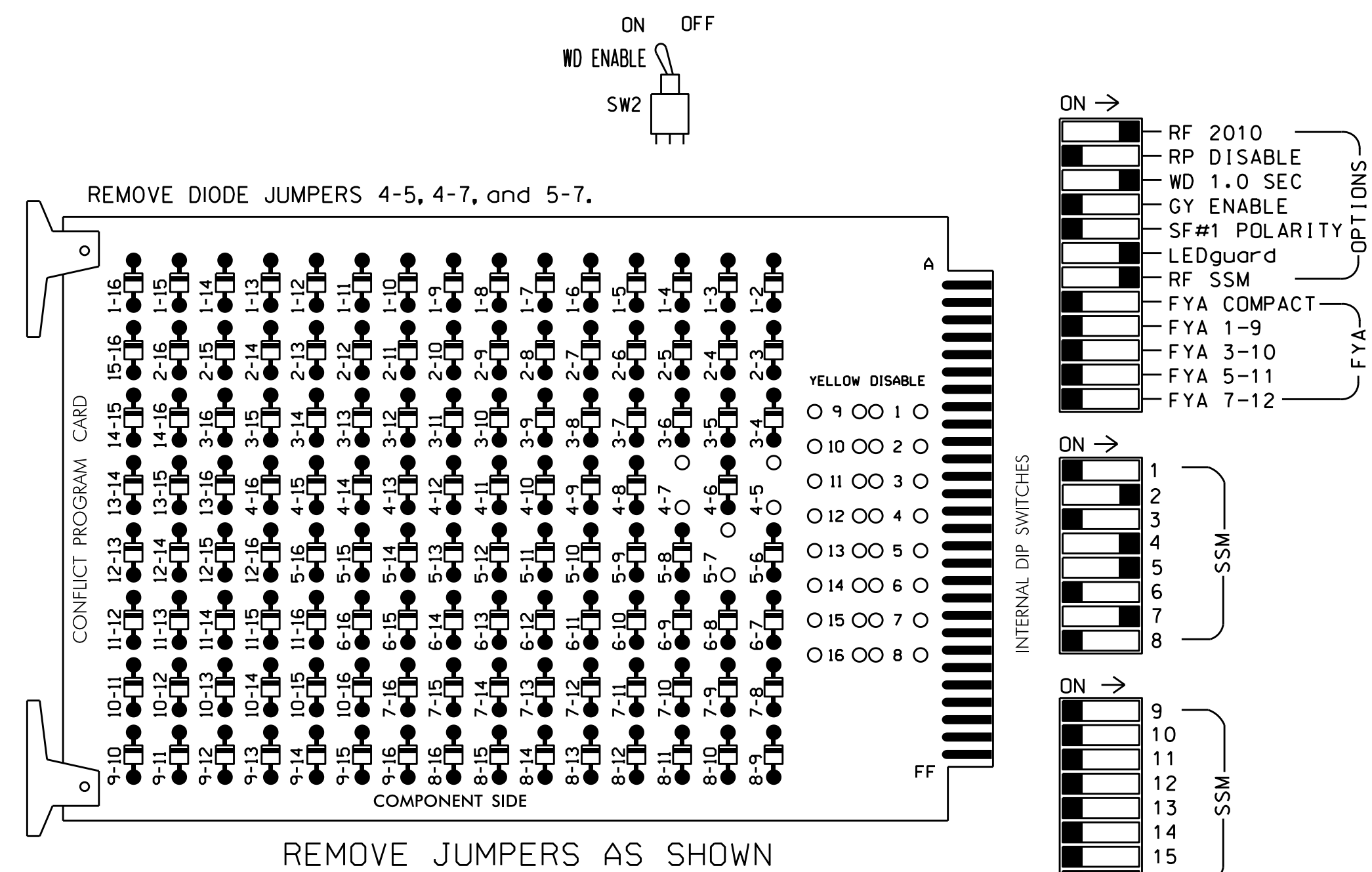


EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.
- Make sure jumpers SEL2-SEL5 are present on the monitor board.

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.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 1,3, 6,8,9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Enable Simultaneous Gap-Out for all Phases.
- Program phases 4 and 7 for Dual Entry.
- Program phases 2 for Variable Initial and Gap Reduction.
- Program phase 2 Startup In Green.
- Program phase 2 for Yellow Flash.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location
- The cabinet and controller are part of the US 17 (Ocean Highway) - Leland Superstreet D03-12 System.

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	OLG	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	NU	71,72	NU	NU	73,74	NU	NU
RED		128			101		131					
YELLOW		129					132					
GREEN		130					133					
RED ARROW										122		
YELLOW ARROW					102					123		
GREEN ARROW					103					124		

NU = Not Used

NOTE: Outputs for load switch S5 have been reassigned. See sheet 2.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S2,S4,S5,S7
 PHASES USED.....2,4,7
 OVERLAP G.....7

INPUT FILE POSITION LAYOUT

(front view)

FILE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅4	∅4	SYS. DET. S37	SYS. DET. S38	S	S	S	S	S	FS DC ISOLATOR
L	2A/S35	2A/S35	2A/S35	2A/S35	∅4	NOT USED	NOT USED	S39	S	S	S	S	S	ST DC ISOLATOR
U	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅7	S	SYS. DET. S43	SYS. DET. S44	S	S	S	S	S	S
L	2B/S36	2B/S36	2B/S36	2B/S36	7A	∅7	S	S	S	S	S	S	S	S

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

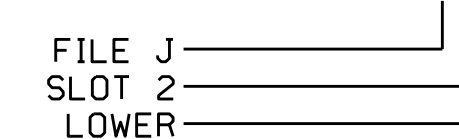
FS = FLASH SENSE
 ST = STOP TIME

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/S35	TB2-5,6	I2U	39	1	2	2/SYS	Y	Y			
2B/S36	TB2-7,8	I2L	43	5	12	2/SYS	Y	Y			
4A	TB4-9,10	I6U	41	3	4	Y	Y				
4B	TB4-11,12	I6L	45	7	14	Y	Y				
4C	TB6-1,2	I7U	65	27	34	Y	Y				
7A	TB5-5,6	J5U	57	19	7	Y	Y				
7B	TB5-7,8	J5L	57	19	7	Y	Y				
*S37	TB6-5,6	I8U	49	11	24	SYS					
*S38	TB6-9,10	I9U	60	22	11	SYS					
*S39	TB6-11,12	I9L	62	24	13	SYS					
*S43	TB7-9,10	J9U	59	21	15	SYS					
*S44	TB7-11,12	J9L	61	23	17	SYS					

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

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-1001
 DESIGNED: October 2021
 SEALED: 10/26/2021
 REVISED: N/A

Electrical Detail - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared In the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	US 17 (Ocean Highway) at Provision Parkway		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036833 RYAN W. HOUGH
	Division 3 Brunswick County Leland PLAN DATE: October 2021 REVIEWED BY: PREPARED BY: S. Armstrong REVIEWED BY:	REVISIONS INIT. DATE _____ _____ _____	
DocuSigned by: 10/27/2021 DATE			SIG. INVENTORY NO. 03-1001

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