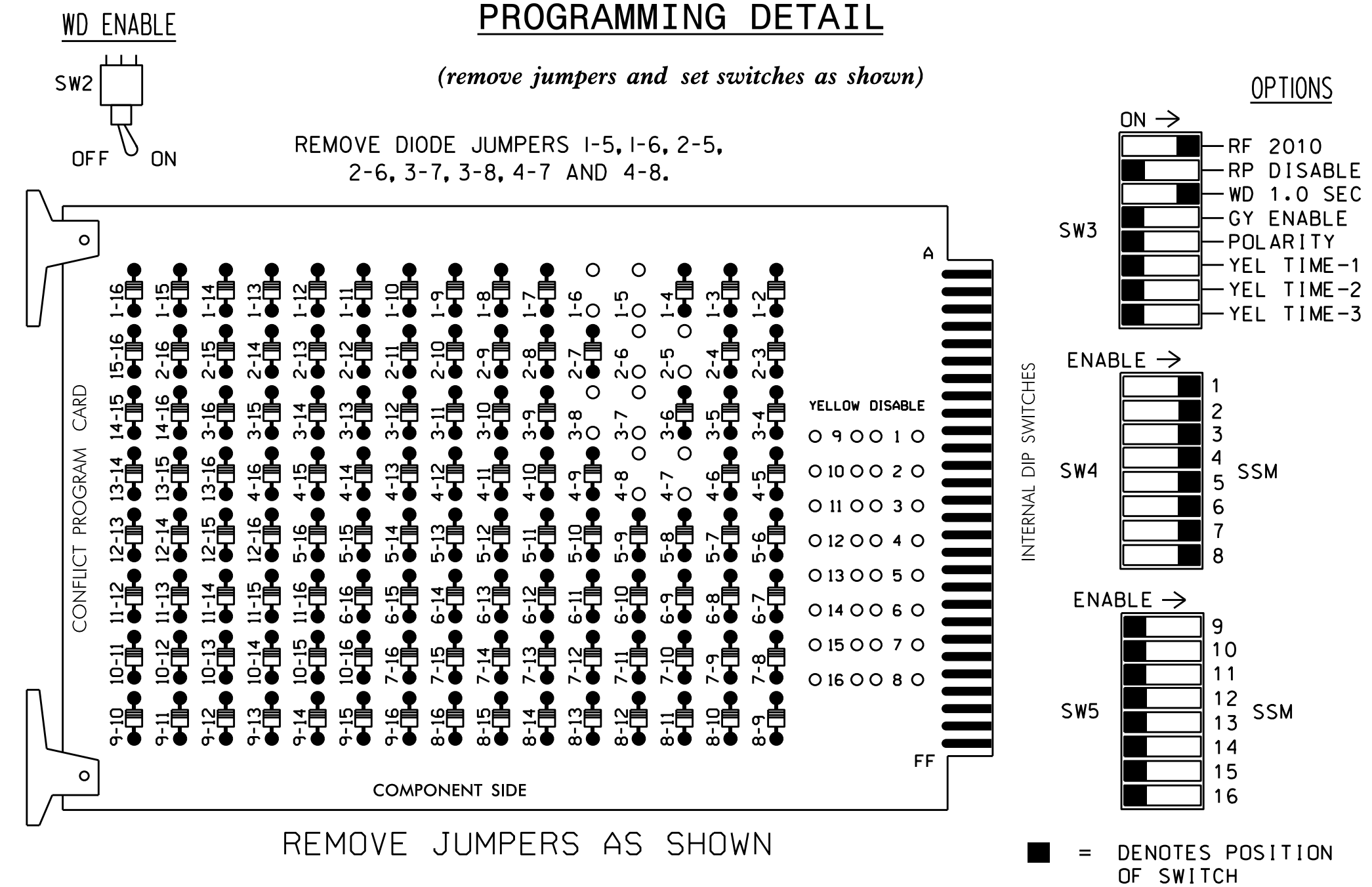


EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL



- 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 9,10, 11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program phases 2 and 6, on the controller unit, for Start Up In Green.
- Enable Simultaneous Gap-Out, on the controller unit, for all phases.
- Program phases 2 and 6, on the controller unit, for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the Wilmington Signal 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	5	6	6 PED	7	8	8 PED			
SIGNAL HEAD NO.	11	82	21,22	NU	22	31,32	41,42	NU	51	61,62	NU	62	71,72	81,82	NU
RED			128				101			134					107
YELLOW			129				102			135					108
GREEN			130				103			136					109
RED ARROW	125						116			131					122
YELLOW ARROW	126	126			117	117				132			123	123	
GREEN ARROW	127	127			118	118				133			124	124	

NU = Not Used

EQUIPMENT INFORMATION

CONTROLLER.....2070L
 CABINET.....332
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8
 PHASES USED.....1,2,3,4,5,6,7,8
 OVERLAPS.....NONE

INPUT FILE POSITION LAYOUT

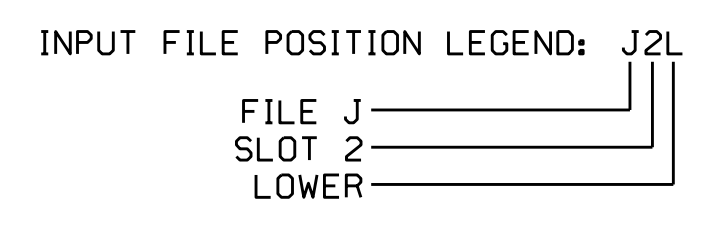
(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1 1A	∅ 2 2A	∅ 1 1B	S -OR- S	∅ 3 3A	∅ 4 4A	S -OR- S	S -OR- S	S -OR- S	S -OR- S	S -OR- S	S -OR- S	S -OR- S	FS DC ISOLATOR
L	NOT USED	∅ 2 2B	NOT USED	←-VSM ←-VSM	NOT USED	∅ 3 3B	←-VSM ←-VSM	←-VSM ←-VSM	←-VSM ←-VSM	←-VSM ←-VSM	←-VSM ←-VSM	←-VSM ←-VSM	←-VSM ←-VSM	ST DC ISOLATOR
U	∅ 5 5A	∅ 6 6A	S -OR- S	S -OR- S	∅ 7 7A	∅ 8 8A	S -OR- S	S -OR- S	S -OR- S	S -OR- S	S -OR- S	S -OR- S	S -OR- S	S -OR- S
L	NOT USED	∅ 6 6B	←-VSM ←-VSM	←-VSM ←-VSM	NOT USED	∅ 7 7B	←-VSM ←-VSM	←-VSM ←-VSM	←-VSM ←-VSM	←-VSM ←-VSM	←-VSM ←-VSM	←-VSM ←-VSM	←-VSM ←-VSM	←-VSM ←-VSM

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
1A	TB2-1,2	11U	56	18	1	1	Y	Y			
2A	TB2-5,6	12U	39	1	2	2	Y	Y			
2B	TB2-7,8	12L	43	5	12	2	Y	Y			
1B	TB2-9,10	13U	63	25	32	1	Y	Y			15
3A	TB4-5,6	15U	58	20	3	3	Y	Y			3
4A	TB4-9,10	16U	41	3	4	4	Y	Y			10
3B	TB4-11,12	16L	45	7	14	3	Y	Y			
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
6B	TB3-7,8	J2L	44	6	16	6	Y	Y			
7A	TB5-5,6	J5U	57	19	7	7	Y	Y			3
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			
7B	TB5-11,12	J6L	46	8	18	7	Y	Y			



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0653
 DESIGNED: January 2006
 SEALED: 5/23/06
 REVISED1: 3/1/07
 REVISED2: 7/23/2015

Electrical Detail

REVISION SEAL

DocuSigned by:
John T. Rowe, Jr.
64180C145EE4F5
7/23/2015

ELECTRICAL AND PROGRAMMING DETAILS FOR:

US 421 (Carolina Beach Road)
 at
 SR 1237 (Silva Terra Drive)/
 Matteo Drive

Division 3 New Hanover County Wilmington

PLAN DATE: January 2006 REVIEWED BY: J. Bauerlein
 PREPARED BY: R. Hinshaw REVIEWED BY:

REVISIONS

Revised phasing. (J.P.)	INIT.	DATE
Revised monitor SEL jumperst. added a note. (WSA)	JTR	03-19-07
No changes to this electrical plan. (WSA)	JTR	3/1/13

750 N. Greenfield Pkwy, Garner, NC 27529

SIGNATURE DATE

SIG. INVENTORY NO. 03-0653

23-JUL-2016 13:11
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 somstrong