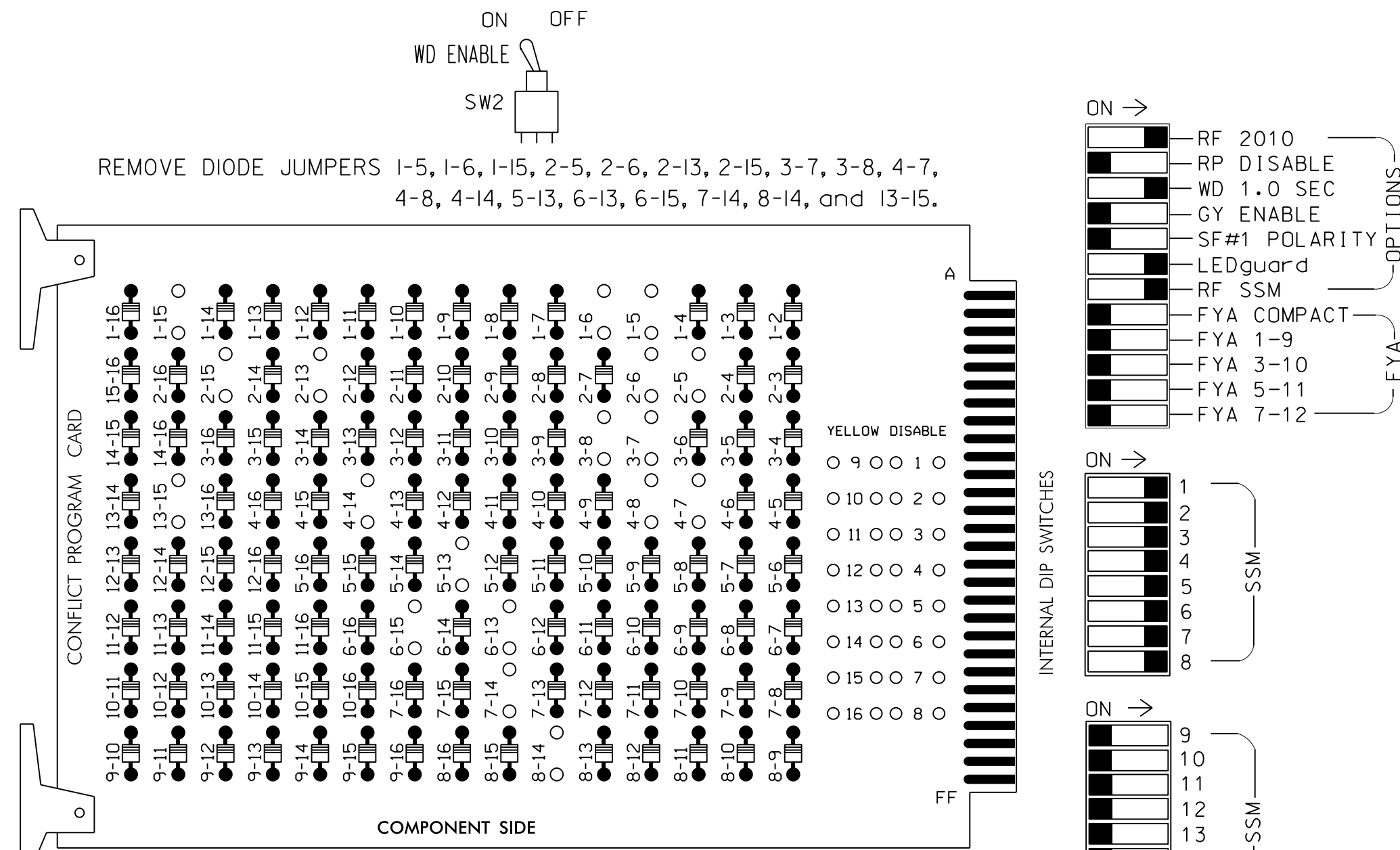


EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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 9,10, 11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2, 4, and 6 for 'STARTUP PED CALL'.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the Wilmington Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
CABINET332
SOFTWAREECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS..12
LOAD SWITCHES USED....S1,S2,S2P,S3,S4,S4P,S5,S6,S6P,S7,S8
PHASES USED.....1,2,3,4,5,6,7,8,2PED,4PED,6PED
OVERLAPS.....NONE

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.	11,12	21,22, 23	P21, P22	23,81	41,42	P41, P42	42	51,52	61,62, 63	P61, P62	41,63	81,82	NU
RED		128		*	101				134		*	107	
YELLOW		129			102				135			108	
GREEN		130			103				136			109	
RED ARROW	125							131					
YELLOW ARROW	126			117			132	132			123		
GREEN ARROW	127			118			133	133			124		
Hand icon			113			104				119			
Walker icon			115			106				121			

NU = Not Used

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

DYNAMIC BACK-UP CONTROL PROGRAMMING

(program controller as shown below)

- From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Scroll to the bottom of the menu and enable Dynamic/Backup Control Functions 1 and 2.
- From Phase Control Functions Menu press '2' (Dynamic/Backup Control Functions).

INPUT FILE POSITION LAYOUT

(from view)

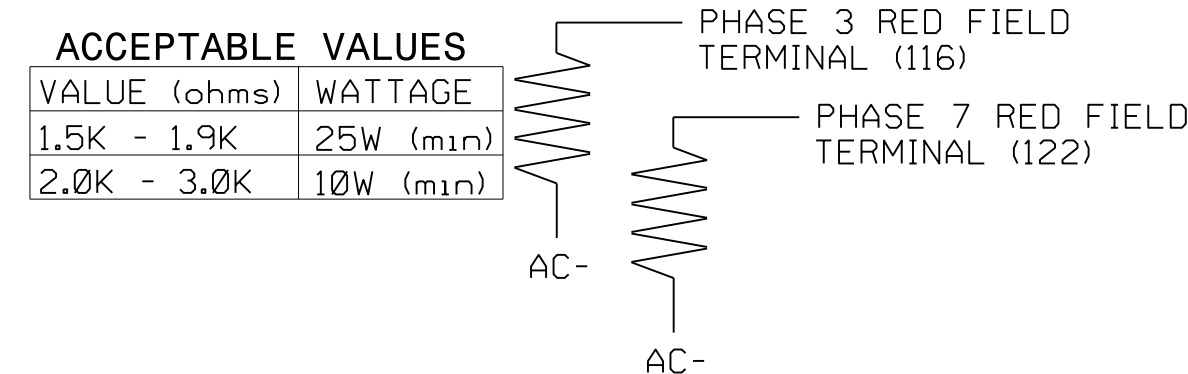
FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅ 1	∅ 2	S	∅ 3	∅ 4	S	S	S	S	S	∅ 2 PED	∅ 6 PED	FS
L	1A	1B	2B	∅ 1	3A	4A	∅ 1	∅ 2	∅ 3	∅ 4	∅ 5	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
	NOT USED	∅ 2	∅ 2	∅ 1	NOT USED	NOT USED	∅ 1	∅ 2	∅ 3	∅ 4	∅ 5	∅ 4 PED	NOT USED	ST
U	∅ 5	∅ 2	∅ 6	∅ 6	∅ 7	S	∅ 8	S	S	S	S	S	S	S
L	5C	5A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

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

FS = FLASH SENSE
ST = STOP TIME

⊗ Wired Input - Do not populate slot with detector card

LOAD RESISTOR INSTALLATION DETAIL



NOTE: The purpose of these resistors is to load the channel red monitor inputs in order for the Signal Sequence Monitor to use the full signal sequence monitoring capability on channels that do not use the red display in the field.

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	I1U	56	18	1	1	Y	Y			
1B	TB2-5,6	I2U	39	1	2	1	Y	Y			
2A	TB2-7,8	I2L	43	5	12	2	Y	Y			
2B	TB2-9,10	I3U	63	25	32	2	Y	Y			
2C	TB2-11,12	I3L	76	38	42	2	Y	Y			
3A ¹	TB4-5,6	I5U	58	20	3	3	Y	Y			15
	-	J8U	50	12	28	8	Y	Y			3
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			
5C	TB3-1,2	J1U	55	17	5	5	Y	Y			15
5A	TB3-5,6	J2U	40	2	6	5	Y	Y			
5B	TB3-7,8	J2L	44	6	16	5	Y	Y			
6A	TB3-9,10	J3U	64	26	36	6	Y	Y			
6B	TB3-11,12	J3L	77	39	46	6	Y	Y			
6C	TB5-1,2	J4U	48	10	26	6	Y	Y			
7A ²	TB5-5,6	J5U	57	19	7	7	Y	Y			15
	-	I8U	49	11	24	4	Y	Y			3
8A	TB7-1,2	J7U	66	28	38	8	Y	Y			
8B	TB7-3,4	J7L	79	41	48	8	Y	Y			10
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					
P41,P42	TB8-5,6	I12L	69	31	PED 4	4 PED					
P61,P62	TB8-7,9	I13U	68	30	PED 6	6 PED					

NOTE:
INSTALL DC ISOLATORS IN INPUT FILE SLOTS I12 AND I13.

- Add jumper from I5-W to J8-W, on rear of input file.
- Add jumper from J5-W to I8-W, on rear of input file.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0240
DESIGNED: March 2016
SEALED: March 30, 2016
REVISED:

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

PLANS PREPARED BY:
PARSONS
5540 CENTERVIEW DR., SUITE 217
RALEIGH, NORTH CAROLINA 27606
NC LICENSE NO: F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

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.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Signal Upgrade

ELECTRICAL AND PROGRAMMING DETAILS FOR: US 117-NC 132 (S. College Road) at SR 1272 (New Centre Drive)

Division 3 New Hanover County Wilmington

PLAN DATE: March 2016 REVIEWED BY:

PREPARED BY: J. M. Pickens REVIEWED BY:

REVISIONS

INIT. DATE

DocuSigned by: Jason M. Pickens 3/30/2016

DATE

SIG. INVENTORY NO. 03-0240