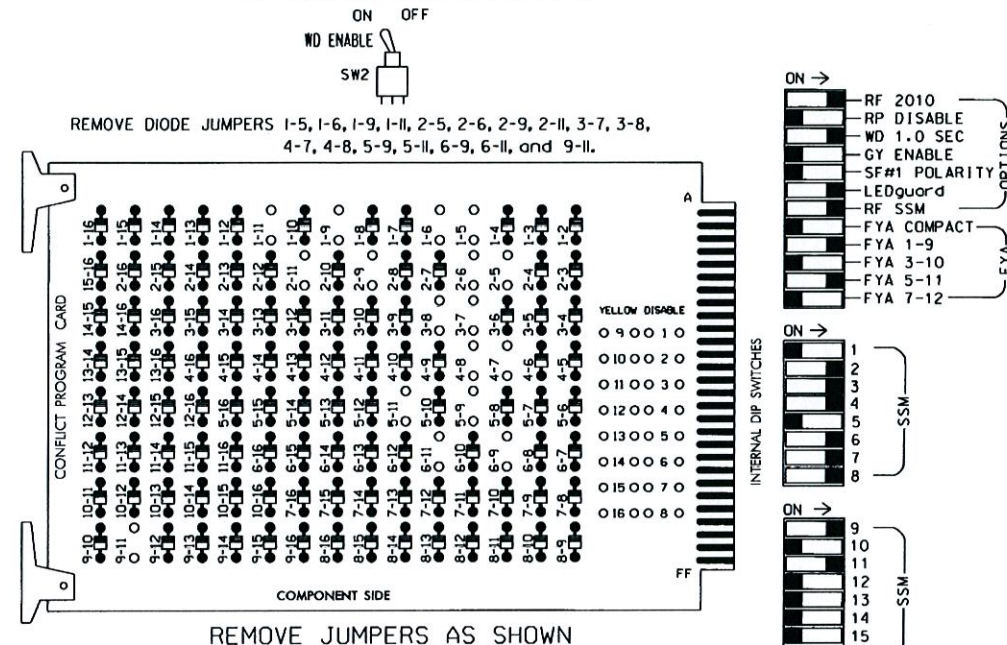


EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.

INPUT FILE POSITION LAYOUT

(front view)

FILE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
U	Ø 1	Ø 2	Ø 3	Ø 3	Ø 3	Ø 3	Ø 4	Ø 4	Ø 4	Ø 4	Ø 4	Ø 4	Ø 4	Ø 4	FS
L	1A	2A	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	OC ISOLATOR
U	Ø 5	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	ST
L	5A	6A	6B	6B	6B	6B	6B	6B	6B	6B	6B	6B	6B	6B	OC ISOLATOR

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

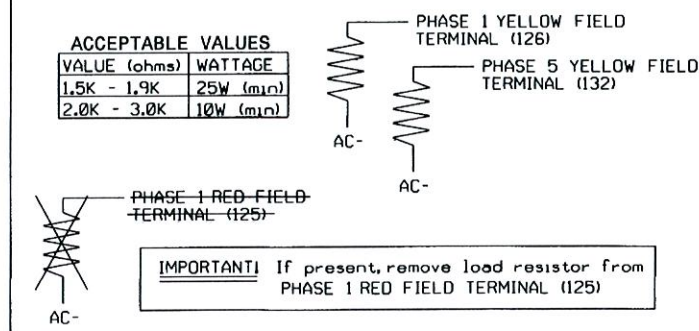
Wired Input - Do not populate slot with detector card

FS = FLASH SENSE

ST = STOP TIME

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)



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 1,5, 10,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- 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 and 6 for Yellow Flash, and overlap 1 as Wag Overlaps.
- The cabinet and controller are part of the Wilmington Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
CABINET.....332 W/ AUX
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8,S9,S12
PHASES USED.....1,2,3,4,5,6,7,8
OVERLAP "A".....1+2
OVERLAP "B".....NOT USED
OVERLAP "C".....5+6
OVERLAP "D".....NOT USED

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 ¹	T82-1,2	I1U	56	18	1	1	Y	Y	Y		10 *
		J4U	48	10	26	6**	Y	Y	Y		3
2A	T82-5,6	I2U	39	1	2	2	Y	Y	Y		
2B	T82-7,8	I2L	43	5	12	2	Y	Y	Y		
3A	T84-5,6	I5U	58	20	3	3	Y	Y	Y		3
3B	T84-9,10	I6U	41	3	4	3	Y	Y	Y		
4A	T86-1,2	I7U	65	27	34	4	Y	Y	Y		
4B	T86-3,4	I7L	78	40	44	4	Y	Y	Y		
5A ²	T83-1,2	J1U	55	17	5	5	Y	Y	Y		10 *
		I4U	47	9	22	2**	Y	Y	Y		3
6A	T83-5,6	J2U	40	2	6	6	Y	Y	Y		
6B	T83-7,8	J2L	44	6	6	6	Y	Y	Y		
7A	T85-5,6	J5U	57	19	7	7	Y	Y	Y		
8A	T85-9,10	J6U	42	4	8	8	Y	Y	Y		5

¹Add jumper from J1-W to J4-W, on rear of input file.

²Add jumper from J1-W to J4-W, on rear of input file.

**Disable delay during Alternate Phasing Operation.

**Disable phase 2/6 call for loops 1A and 5A during Alternate Phasing Operation.

INPUT FILE POSITION LEGEND: J2L

FILE J
SLOT 2
LOWER

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	9	10	11	12	13	14
SIGNAL HEAD NO.	11	21,22	NU	22	31,32	41,42	NU	51	61,62	NU	62	71	81,82	NU	11	NU	NU	51
RED		128			101			134			107							
YELLOW	*	129			102		*	135			108							
GREEN		130			103			136			109							
RED ARROW					116						122				A121		A114	
YELLOW ARROW				117	117						123	123			A122		A115	
FLASHING YELLOW ARROW															A123		A116	
GREEN ARROW	127			118	118			133			124	124						

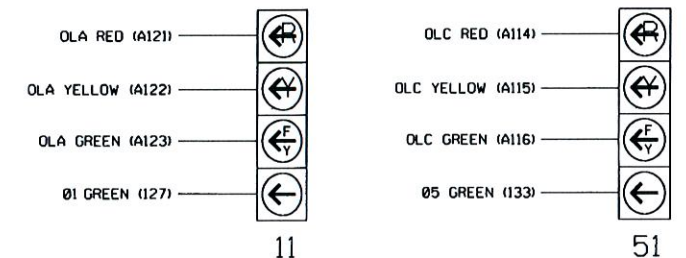
NU = Not Used

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

* See pictorial of head wiring in detail below.

4 SECTION FYA PPLT SIGNAL WIRING DETAIL

(wire signal heads as shown)



NOTE

The sequence display for signal heads 11 and 51 requires special logic programming. See sheet 2 of 5 for programming instructions.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-0346
DESIGNED: July 2010
SEALED: 8/3/10
REVISED: N/A

Signal Upgrade - Sheet 1 of 5

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

US 17 Bus. (Market Street)
at
SR 1272 (New Centre Drive)

Division 3 New Hanover County Wilmington

PLAN DATE: July 2010

REVIEWED BY:

PREPARED BY: S. Armstrong

REVIEWED BY:

REVISIONS

INIT. DATE

INPUT FILE LAYOUT: PROGRAMMING

8/3/10

SIG. INVENTORY NO. 03-0346

POR