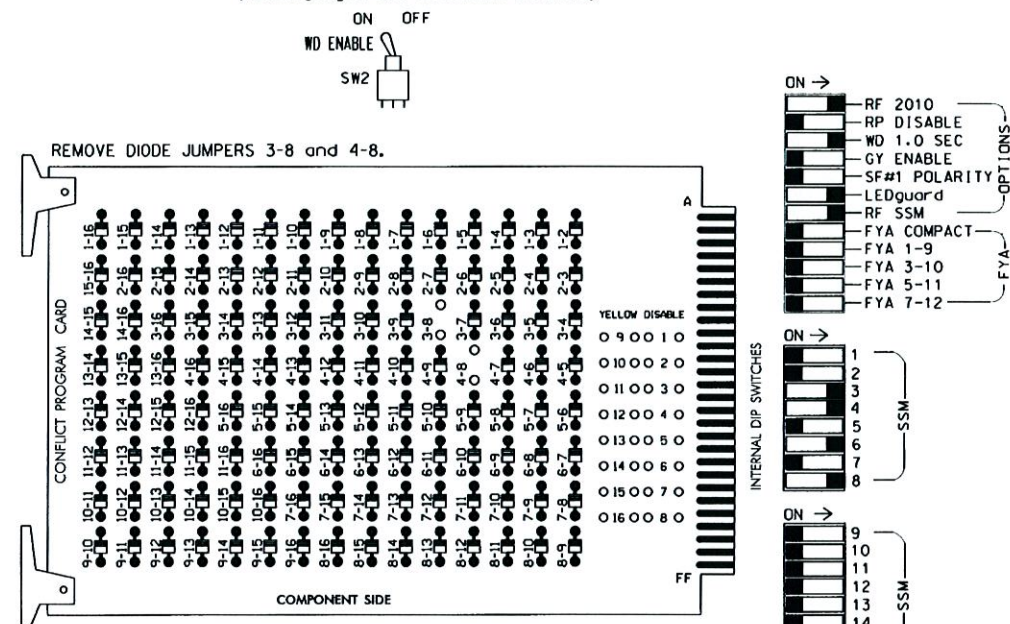


EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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 1,2,5,7,9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program phase 8 for Dual Entry.
- Enable Simultaneous Gap-Out, for all phases.
- Program phase 6 for Variable Initial and phases 4,6 and 8 for Gap Reduction.
- Program phase 6 for Start Up In Green.
- Program phase 6 for Yellow Flash.
- The cabinet and controller are part of the Wilmington City Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
CABINET.....332
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S3,S4,S6,S8
PHASES USED.....3,4,6,8
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.	NU	NU	NU	31	41,42	NU	NU	61, 62,63	NU	NU	81,82	NU
RED					101			134			107	
YELLOW					102			135			108	
GREEN					103			136			109	
RED ARROW				116								
YELLOW ARROW				117								
GREEN ARROW				118								

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)

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

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
3A	T84-5,6	I5U	58	20	3	3	Y	Y			3
4A	T84-9,10	I6U	41	3	4	4		Y			
4B	T84-11,12	I6L	45	7	14	4		Y			
4C	T86-1,2	I7U	65	27	34	4	Y	Y	Y	2.0	5
4D	T86-3,4	I7L	78	40	44	4	Y	Y	Y	2.0	5
6A	T83-5,6	J2U	40	2	6	6	Y	Y			
6B	T83-7,8	J2L	44	6	16	6	Y	Y			
6C	T83-9,10	J3U	64	26	36	6	Y	Y			
8A	T85-9,10	J6U	42	4	8	8		Y			
8B	T85-11,12	J6L	46	8	18	8		Y			
8C	T87-1,2	J7U	66	28	38	8	Y	Y	Y	2.0	5
8D	T87-3,4	J7L	79	41	48	8	Y	Y	Y	2.0	5

6D T83-11,12 J3U 77 39 46 6 Y Y - - -

INPUT FILE POSITION LEGEND: J2L

FILE J
SLOT 2
LOWER

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-0334
DESIGNED: June 2009
SEALED: 06/12/09
REVISED: 12-1-11

Signal Upgrade

ELECTRICAL AND PROGRAMMING
DETAILS FOR:



750 N. Greenfield Pkwy, Garner, NC 27529

US 76 WB (Wooster Street)
at
US 421 NB / US 17 Business
(S. 3rd. Street)

Division 3 New Hanover County Wilmington

PLAN DATE: June 2009 REVIEWED BY: T. Joyce

PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS

1. Revise phases 4 and 8 to 10/00, separate phases 6 and 8 to 10/00, 10/00, 11-12-13

DATE: 12/1/11

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
022013
GEORGE C. BROWN
DATE: 12/1/11
SIGNATURE: [Signature]
SIC INVENTORY NO. 03-0334