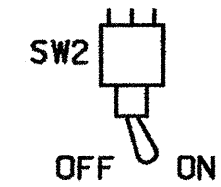


EDI MODEL 2010ECL CONFLICT MONITOR

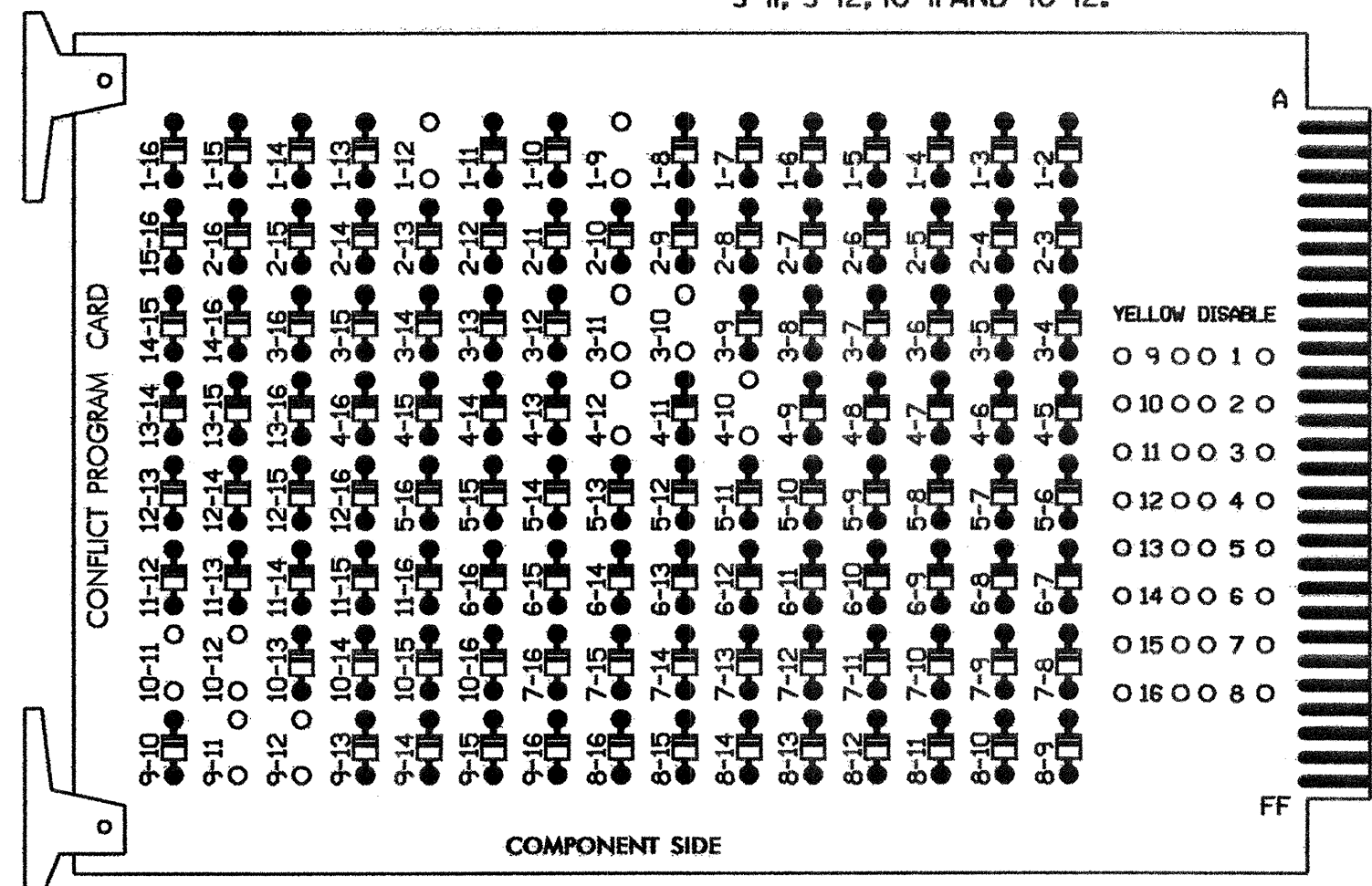
PROGRAMMING DETAIL

WD ENABLE



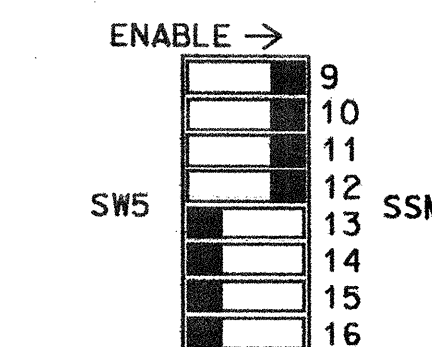
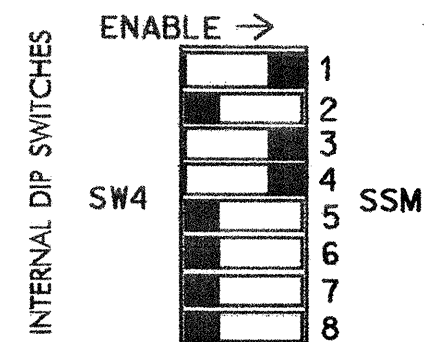
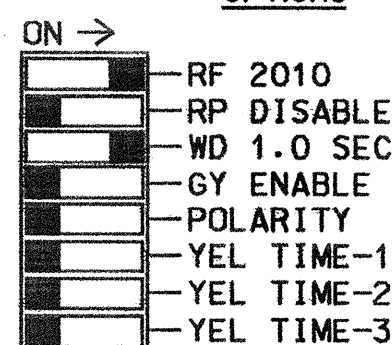
(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-9, 1-12, 3-10, 3-11, 4-10, 4-12, 9-11, 9-12, 10-11 AND 10-12.



REMOVE JUMPERS AS SHOWN

OPTIONS



■ = DENOTES POSITION OF SWITCH

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Make sure jumpers SEL1-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 2,5,6, 7,8,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program controller to start up in phase 2 green.
- Enable Simultaneous Gap-Out, on the controller unit, for all phases.
- Program phase 2, on the controller unit, for Variable Initial and Gap Reduction.
- The cabinet and controller are part of the Gastonia City System.

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
 CABINET.....CONTRACTOR SUPPLIED 332
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS..18 (12-STD, 6-AUX)
 LOAD SWITCHES USED.....S1,S3,S4,S9,S10,S12,S13
 PHASES USED.....1,2,3,4
 OVERLAP A.....1+2
 OVERLAP B.....3+4
 OVERLAP C.....2+3
 OVERLAP D.....1+4

FIELD CONNECTION 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	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	NC	NU	31	43,44 47,48	NU	NU	NU	NU	NU	NU	NU	21,22	41,42	NU	23,24	45,46	NU
GREEN					103								A123	A126		A116	A103	
YELLOW					102								A122	A125		A115	A102	
RED					101								A121	A124		A114	A101	
RED ARROW	125				116													
YELLOW ARROW	126				117													
GREEN ARROW	127				118													

NU = Not Used
 NC = No Connection; Phase is used for timing purposes only
 1 Wire Overlap C and Overlap D to flash on Flasher #2, Circuit #1

INPUT FILE POSITION LAYOUT

(front view)

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

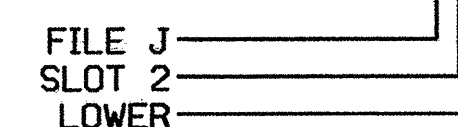
EX.: 1A, 2A, ETC. = LOOP NO.'S

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	I1U	56	18	1	1	Y	Y			
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
2C	TB2-9,10	I3U	63	25	32	2	Y	Y			
2D	TB2-11,12	I3L	76	38	42	2	Y	Y			
3A	TB4-9,10	I6U	41	3	4	3	Y	Y			
3B	TB4-11,12	I6L	45	7	14	3	Y	Y			3
4A	TB6-1,2	I7U	65	27	34	4	Y	Y			5
4B	TB6-3,4	I7L	78	40	44	4	Y	Y			3
1B	TB3-5,6	J2U	40	2	6	1	Y	Y			3

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-1124
 DESIGNED: January 2005
 SEALED: 3/10/05
 REVISED:

Signal Upgrade - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR: **US 29-74 (Franklin Boulevard) at SR 1135 (Shannon Bradley Road)/ Patterson Circle & Commercial Drive**

Division 12 Gaston County Gastonia

PLAN DATE: February 2005 REVIEWED BY: T. Jaffe

PREPARED BY: William Hairston REVIEWED BY:

REVISIONS	INIT.	DATE

222 N. McDowell St., Raleigh, NC 27603

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022013 ENGINEER GEORGE C. BROWN

SIGNATURE: George C. Brown DATE: 3/17/05

SIG. INVENTORY NO. 12-1124