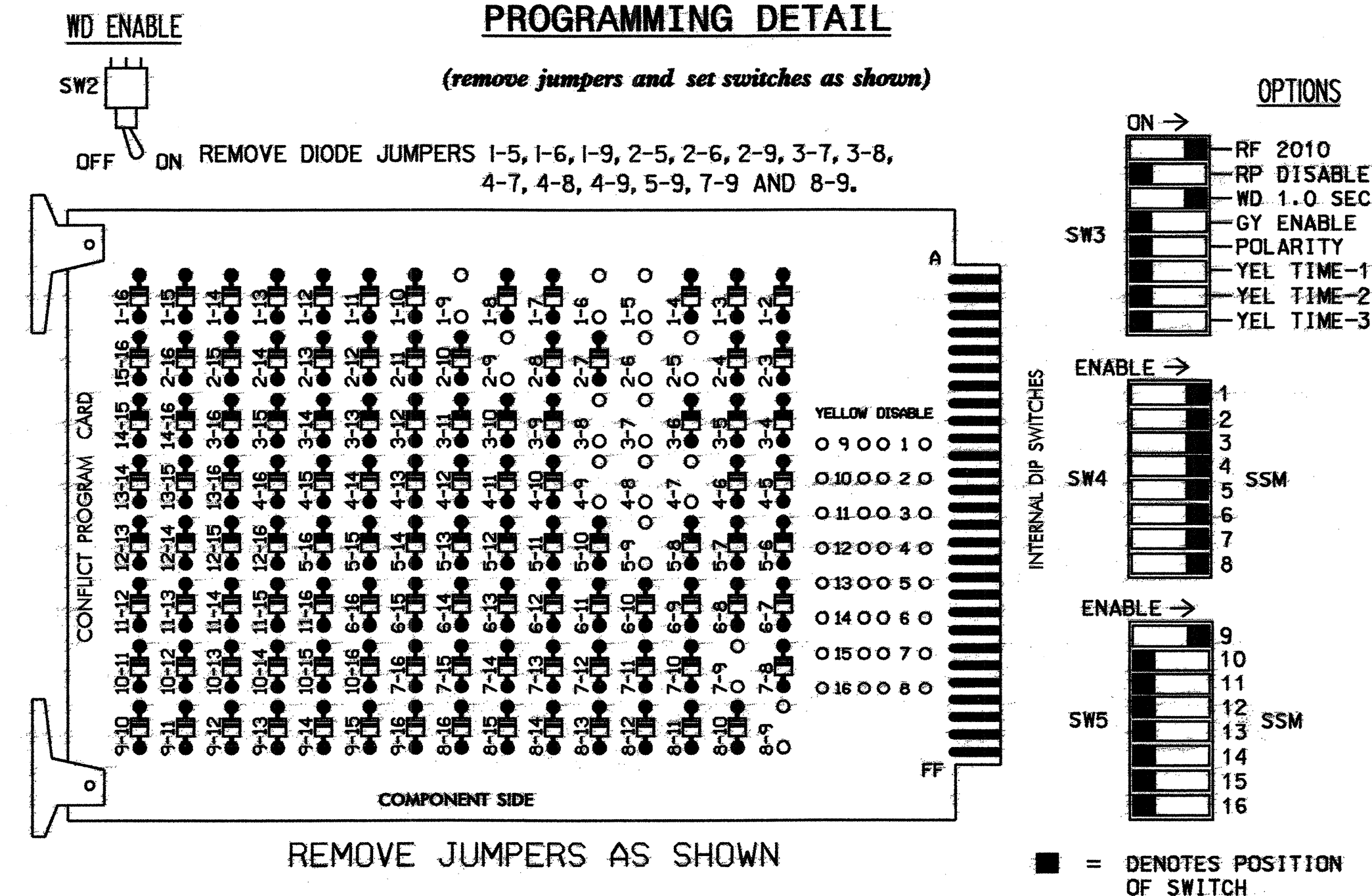


EDI MODEL 2010ECL CONFLICT MONITOR

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 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 10, 11, 12, 13, 14, 15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program controller to start up in phases 2 and 6 green.
- Enable Simultaneous Gap-Out, on the controller unit, for all phases.
- 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,S2,S3,S4,S5,S6,S7,S8,S9
 PHASES USED.....1,2,3,4,5,6,7,8
 OVERLAP A.....4+5

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 ¹	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	21,22	NU	22	31	41,42	NU	51,52	61,62	NU	71	81,82	NU	43,44	NU	NU	NU	NU
GREEN	130				103			136			109							
YELLOW	129				102			135			108							
RED	128				101			134			107							
RED ARROW	125				116			131			122							A121
YELLOW ARROW	126				117	117		132			123							A122
GREEN ARROW	127				118	118		133			124							A123

NU = Not Used
¹ Wire OLA to flash on Flasher 2, Circuit #2

OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

From Main Menu press '8' (Overlaps), then '1' (Vehicle Overlap Settings).

PAGE 1: VEHICLE OVERLAP 'A' SETTINGS
 PHASE: :12345678910111213141516
 VEH OVL PARENTS: : XX
 VEH OVL NOT VEH: : X
 VEH OVL NOT PED: :
 VEH OVL GRN EXT: :
 STARTUP COLOR: - RED - YELLOW - GREEN
 FLASH COLORS: - RED - YELLOW - GREEN
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
 FLASH YELLOW IN CONTROLLER FLASH?...N
 GREEN EXTENSION (0-255 SEC).....0
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...0.0
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0
 OUTPUT AS PHASE # (0=NONE, 1-16)....0

OVERLAP PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-1460
 DESIGNED: February 2005
 SEALED: 2/28/05
 REVISED:

INPUT FILE POSITION LAYOUT

(front view)

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

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			3
2A	TB2-5,6	I2U	39	1	2	2	Y	Y		1.8	
2B	TB2-7,8	I2L	43	5	12	2	Y	Y		1.8	
2C, 2D, 2E	TB2-9, 10	I3U	63	25	32	2	Y	Y			
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			
4A, 4B	TB4-9, 10	I6U	41	3	4	4	Y	Y		3.0	
4C	TB4-11, 12	I6L	45	7	14	4	Y	Y			
4D	TB6-1,2	I7U	65	27	34	4	Y	Y			
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			
5B	TB3-3,4	J1L	55	17	5	5	Y	Y			
5C	TB3-5,6	J2U	40	2	6	5	Y	Y			10
5D	TB3-7,8	J2L	44	6	16	5	Y	Y			15
6A	TB3-9, 10	J3U	64	26	36	6	Y	Y		1.8	
6B	TB3-11, 12	J3L	77	39	46	6	Y	Y		1.8	
6C, 6D	TB5-1,2	J4U	48	10	26	6	Y	Y			
7A	TB5-5,6	J5U	57	19	7	7	Y	Y			
8A, 8B	TB5-9, 10	J6U	42	4	8	8	Y	Y		3.0	
8C	TB5-11, 12	J6L	46	8	18	8	Y	Y			
8D	TB7-1,2	J7U	66	28	38	8	Y	Y			10

INPUT FILE POSITION LEGEND: J2L
 FILE J
 SLOT 2
 LOWER

Signal Upgrade

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Hudson Boulevard at Hoffman Road/Redbud Drive

Division 12 Gaston County Gastonia

PLAN DATE: February 2005 REVIEWED BY: T. Joyce

PREPARED BY: William Hairston REVIEWED BY:

REVISIONS

INIT. DATE

222 N. McDowell St., Raleigh, NC 27603

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 022013
 GEORGE C. BROWN

SIGNATURE: *George C. Brown* 5/13/05
 DATE

SIG. INVENTORY NO. 12-1460

13-MAY-2005 08:59
 Comments: d:\ed\11\ingshek\coz\edask\top\gastonia\ch12\1460_20050315p.dgn
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