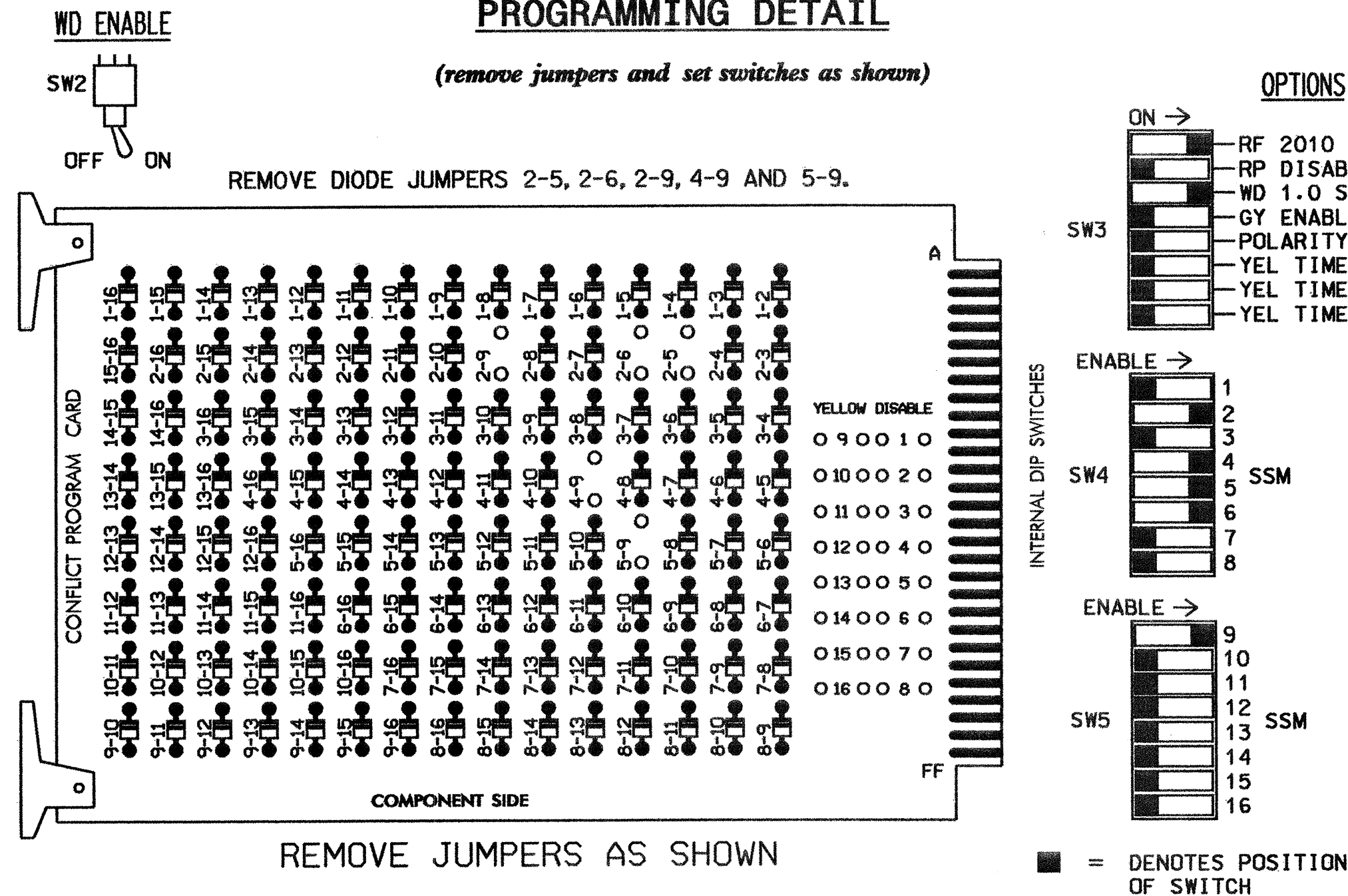


EDI MODEL 2010ECL CONFLICT MONITOR

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 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. 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 1,3,7, 8,10,11,12,13,14,15 & 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 FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
- THE CABINET AND CONTROLLER ARE PART OF THE GASTONIA CITY SYSTEM. CITY SYSTEM DATA: CONTROLLER ASSET # 1454

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.	NU	21,22	NU	NU	41,42	63	NU	51	61,62,63	NU	NU	NU	43	NU	NU	NU	NU	NU
GREEN		130							136									
YELLOW		129							135									
RED		128							134									
RED ARROW					101			131					A121					
YELLOW ARROW					102	102		132					A122					
GREEN ARROW					103	103		133					A123					

NU = NOT USED

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.....S2,S4,S5,S6,S9
 PHASES USED.....2,4,5,6
 OVERLAPS.....OLA= 4+5

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:
 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

INPUT FILE POSITION LAYOUT

(front view)

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

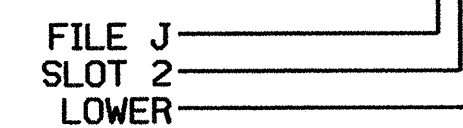
EX. : 1A, 2A, ETC. = LOOP NO.'S

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
2A,2B,2C	TB2-5,6	I2U	39	1	2	2	Y	Y		2	
2D,2E,2F	TB2-7,8	I2L	43	5	12	2	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			
6A,6B,6C	TB3-5,6	J2U	40	2	6	6	Y	Y		2	
6D,6E,6F	TB3-7,8	J2L	44	6	16	6	Y	Y			
5B	TB3-9,10	J3U	64	26	36	5	Y	Y			15

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-1454
 DESIGNED: APRIL 2004
 SEALED: 17 DECEMBER 04
 REVISED: N/A

ELECTRICAL AND PROGRAMMING DETAILS FOR:

US 29-74 (FRANKLIN BOULEVARD) AT SHOPPING AREA-HOME DEPOT

DIVISION 12 GASTON COUNTY GASTONIA

PLAN DATE: DECEMBER 2004 REVIEWED BY: *T. Russ*

PREPARED BY: F.E. RUSS REVIEWED BY:

REVISIONS: INIT. DATE

122 N. McDowell St., Raleigh, NC 27603

SEAL
 JOHN T. ROWE, JR.
 PROFESSIONAL ENGINEER
 SEAL 008453
 SIGNATURE: *John T. Rowe, Jr.* DATE: 12-14-04
 SIG. INVENTORY NO. 12-1454