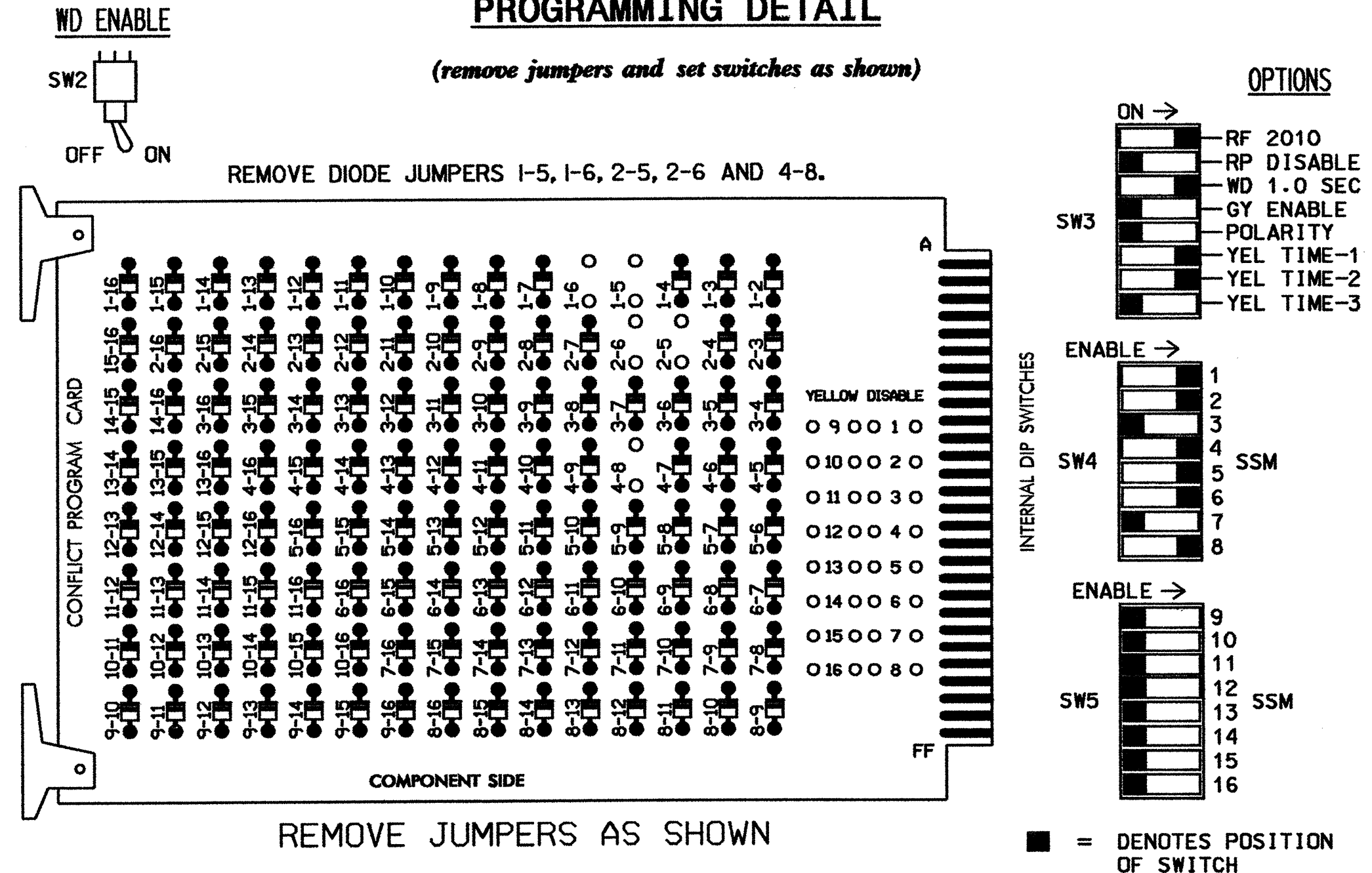


EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL



- REMOVE JUMPERS 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. 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 3,7,9,10, 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.
- PROGRAM PHASES 4 AND 8, ON CONTROLLER UNIT, FOR DUAL ENTRY.
- PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR VARIABLE INITIAL AND GAP REDUCTION.
- THE CABINET AND CONTROLLER ARE PART OF THE HOPE MILLS BYPASS CLOSED LOOP SYSTEM.

FIELD CONNECTION 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.	11,12	83	21 22,23	NU	41,42 43,44	NU	43	51,52	61 62,63	NU	81,82 83,84	NU
GREEN		130			103				136			109
YELLOW		129			102				135			108
RED		128			101				134			107
RED ARROW	125								131			
YELLOW ARROW	126	126						132	132			
GREEN ARROW	127	127						133	133			

NU = NOT USED
* DENOTES INSTALL LOAD RESISTOR. SEE LOAD RESISTOR INSTALLATION DETAIL THIS PAGE.

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
CABINETCONTRACTOR SUPPLIED 332
SOFTWAREECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S1,S2,S4,S5,S6,S8
PHASES USED.....1,2,4,5,6,8
OVERLAPS.....NONE

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅ 1	∅ 2	∅ 3	∅ 3	∅ 4	∅ 4	∅ 5	SYS. DET. S05	∅ 7	∅ 7	∅ 8	∅ 8	FS
L	NOT USED	1A	2A	∅ 3	∅ 3	4A	4C	∅ 5	∅ 5	∅ 7	∅ 7	∅ 8	∅ 8	DC ISOLATOR
U	∅ 5	∅ 5	∅ 6	∅ 6	∅ 6	∅ 8	∅ 8	∅ 9	SYS. DET. S06	∅ 11	∅ 11	∅ 12	∅ 12	ST
L	NOT USED	1B	2B	∅ 6	∅ 6	4B	NOT USED	∅ 9	∅ 9	∅ 11	∅ 11	∅ 12	∅ 12	DC ISOLATOR

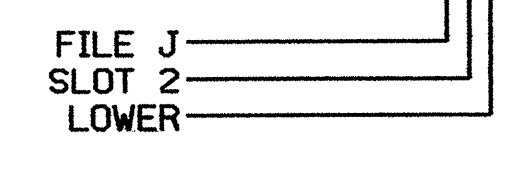
EX.: 1A, 2A, ETC. = LOOP NO.'S
FS = FLASH SENSE
ST = STOP TIME

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
1C	TB2-1,2	I1U	56	18	1	1	Y	Y			15
1A	TB2-5,6	I2U	39	1	2	1	Y	Y			
1B	TB2-7,8	I2L	43	5	12	1	Y	Y			
2A	TB2-9,10	I3U	63	25	32	2	Y	Y			
2B	TB2-11,12	I3L	76	38	42	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			
4C	TB6-1,2	I7U	65	27	34	4	Y	Y			
*S05	TB6-9,10	I9U	60	22	11	SYS					
*S06	TB6-11,12	I9L	62	24	13	SYS					
5C	TB3-1,2	J1U	95	17	5	5	Y	Y			15
5A	TB3-5,6	J2U	40	2	6	5	Y	Y			
5B	TB3-7,8	J2L	44	6	16	5	Y	Y			
6A	TB3-9,10	J3U	64	26	36	6	Y	Y			
6B	TB3-11,12	J3L	77	39	46	6	Y	Y			
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			
8B	TB5-11,12	J6L	46	8	18	8	Y	Y			
8C	TB7-1,2	J7U	66	28	38	8	Y	Y			

* SYSTEM DETECTOR ONLY. REMOVE THE VEHICLE PHASE ASSIGNED TO THIS DETECTOR IN THE DEFAULT PROGRAMMING.

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1255
DESIGNED: MAY 2003
SEALED: 10-22-03
REVISED:

SIGNAL UPGRADE: FINAL DESIGN

ELECTRICAL AND PROGRAMMING DETAILS FOR:

HOPE MILLS BYPASS AT SR 1003 (CAMDEN RD.)

Prepared in the Office of:

122 N. McDowell St., Raleigh, NC 27603

SEAL

HOPE MILLS BYPASS AT SR 1003 (CAMDEN RD.)

DIVISION 6 CUMBERLAND COUNTY HOPE MILLS

PLAN DATE: OCTOBER 2003 REVIEWED BY: T. V. [Signature]

PREPARED BY: WILLIAM HAIRSTON REVIEWED BY: [Signature]

REVISIONS: INIT. DATE

Signature: George C. Brown, Engineer

SEAL 022013

SIG. INVENTORY NO. 06-1255