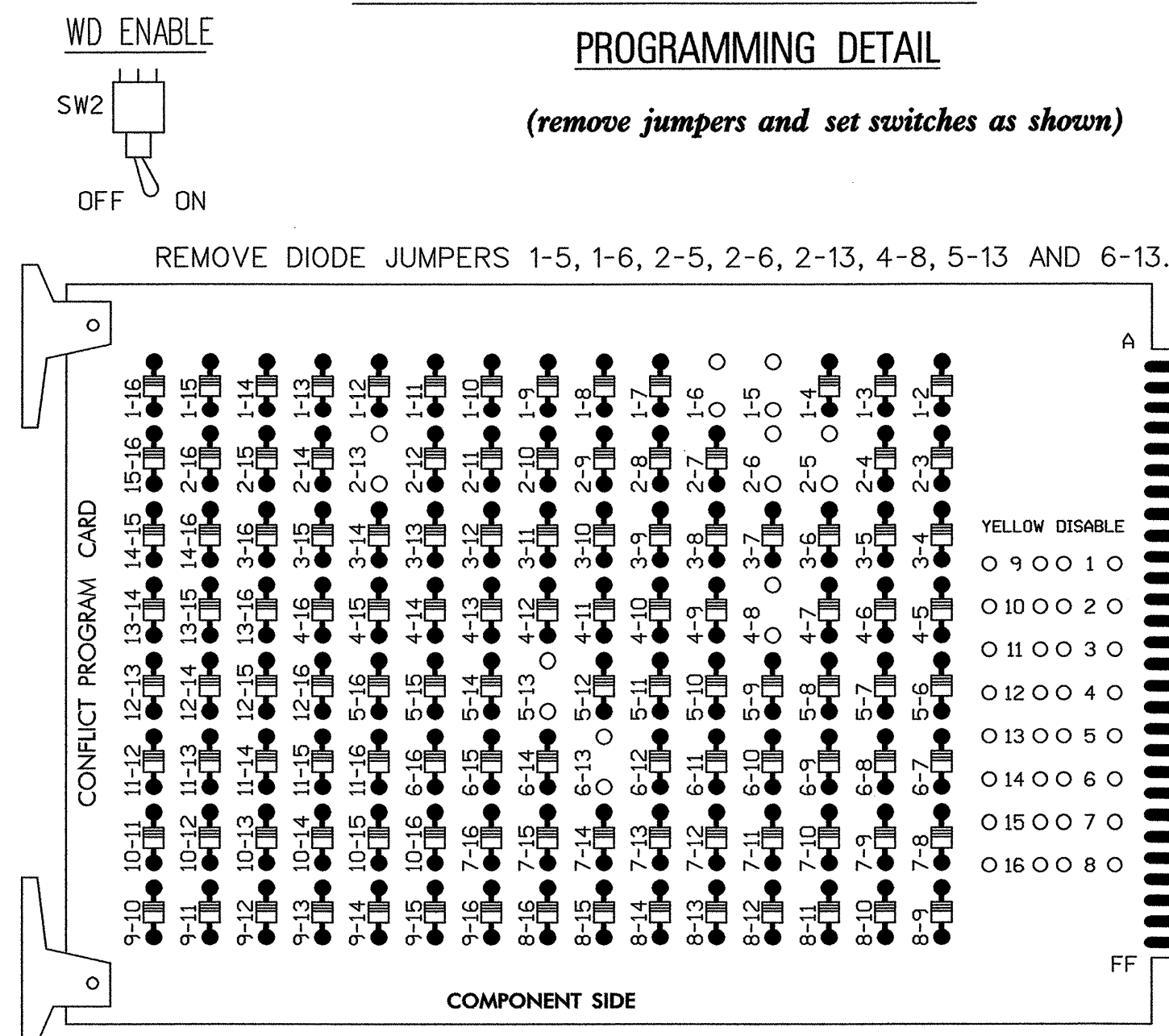


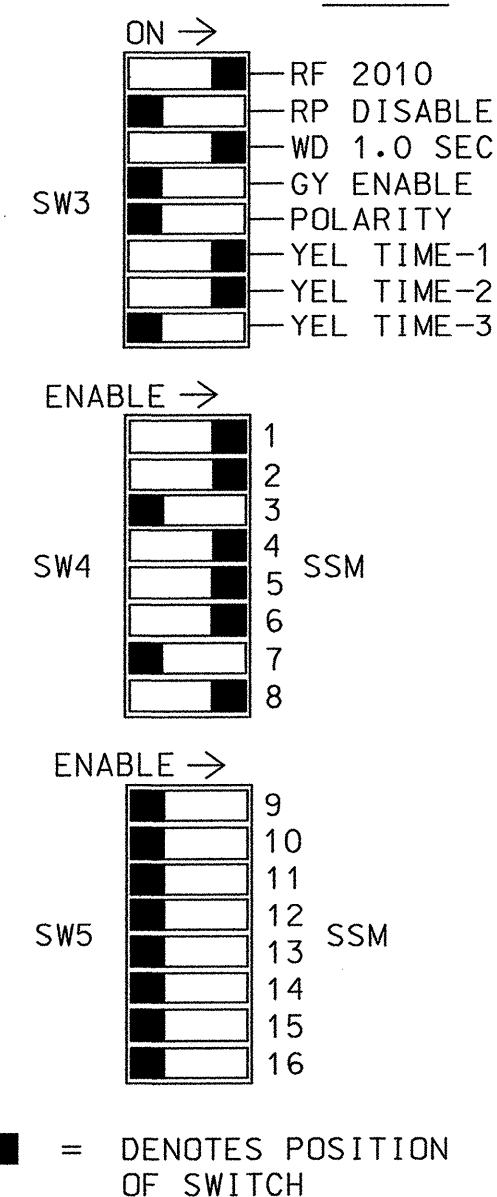
EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



OPTIONS



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 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 CONTROLLER AND CABINET ARE TO BE PROGRAMMED AND WIRED TO BE PART OF A CLOSED LOOP SIGNAL SYSTEM. CONTROLLER ASSET: 0952
- PROGRAM PHASE 2 FOR 'START-UP PED CALLS'.

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	82	21,22	P21, P22	NU	41,42	NU	42	51,52	61,62	NU	81,82	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

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
 CABINETCONTRACTOR SUPPLIED 332
 SOFTWAREECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S2P,S4,S5,S6,S8
 PHASES USED.....1,2,2PED,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 1A	∅ 2/SYS 2A/S13	∅ 3/SYS 3A/S13	∅ 4 4A	∅ 5 5A	∅ 6/SYS 6A/S15	∅ 7 7A	∅ 8 8A	∅ 9 9A	∅ 10 10A	∅ 11 11A	∅ 12 12A	∅ 13 13A	∅ 14 14A
L	∅ 1 1B	∅ 2/SYS 2B/S14	∅ 3/SYS 3B/S14	NOT USED	∅ 5 5C	∅ 6/SYS 6B/S16	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	TB2-5,6	I2U	39	1	2	1	Y	Y	-	---	--
1B	TB2-7,8	I2L	43	5	12	1	Y	Y	-	---	15
2A/S13	TB2-9,10	I3U	63	25	32	2/SYS	Y	Y	-	---	--
2B/S14	TB2-11,12	I3L	76	38	42	2/SYS	Y	Y	-	---	--
4A	TB4-9,10	I6U	41	3	4	4	Y	Y	-	---	3
5A	TB3-1,2	J1U	55	17	5	5	Y	Y	-	---	--
5B	TB3-5,6	J2U	40	2	6	5	Y	Y	-	---	--
5C	TB3-7,8	J2L	44	6	16	5	Y	Y	-	---	15
6A/S15	TB3-9,10	J3U	64	26	36	6/SYS	Y	Y	-	---	--
6B/S16	TB3-11,12	J3L	77	39	46	6/SYS	Y	Y	-	---	--
8A	TB5-9,10	J6U	42	4	8	8	Y	Y	-	---	--

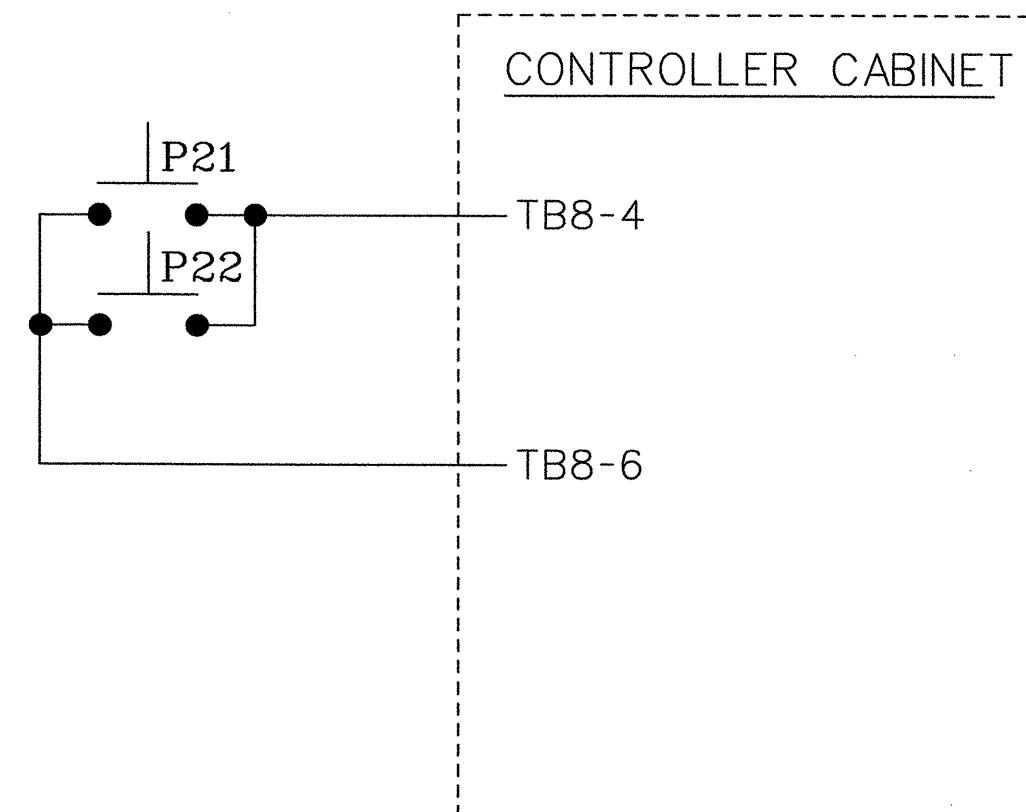
NOTE:
 INSTALL DC ISOLATORS
 IN INPUT FILE SLOTS
 112.

INPUT FILE POSITION LEGEND: J2L

FILE J
 SLOT 2
 LOWER

PEDESTRIAN PUSH-BUTTON WIRING DETAIL

(wire push-buttons as shown below)



NOTE: PROGRAM PED HEADS PER MANUFACTURER'S INSTRUCTIONS TO COUNTDOWN THE PED INTERVAL CLEARANCE ONLY.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0952
 DESIGNED: SEPTEMBER 2003
 SEALED: 1/7/2004
 REVISED: TBD

SIGNAL UPGRADE - FINAL DESIGN

 SEPI ENGINEERING GROUP 2300 Rexwoods Drive Suite 370 Raleigh, NC 27607 Tel:919-789-9977 Fax:789-9591	ELECTRICAL AND PROGRAMMING DETAILS FOR: SR 1409 (MILITARY CUTOFF ROAD) AT RENAISSANCE PARK ENTRANCE AND DESTINY WAY (ACCESS "D")	SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 07438 JAMES O. DEATON
	DIVISION 03 NEW HANOVER COUNTY WILMINGTON PLAN DATE: NOVEMBER 2003 REVIEWED BY: J O DEATON PREPARED BY: M W YALCH REVIEWED BY:	REVISIONS INIT. DATE SIGNATURE DATE SIG. INVENTORY NO. 03-0952