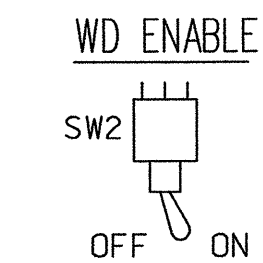


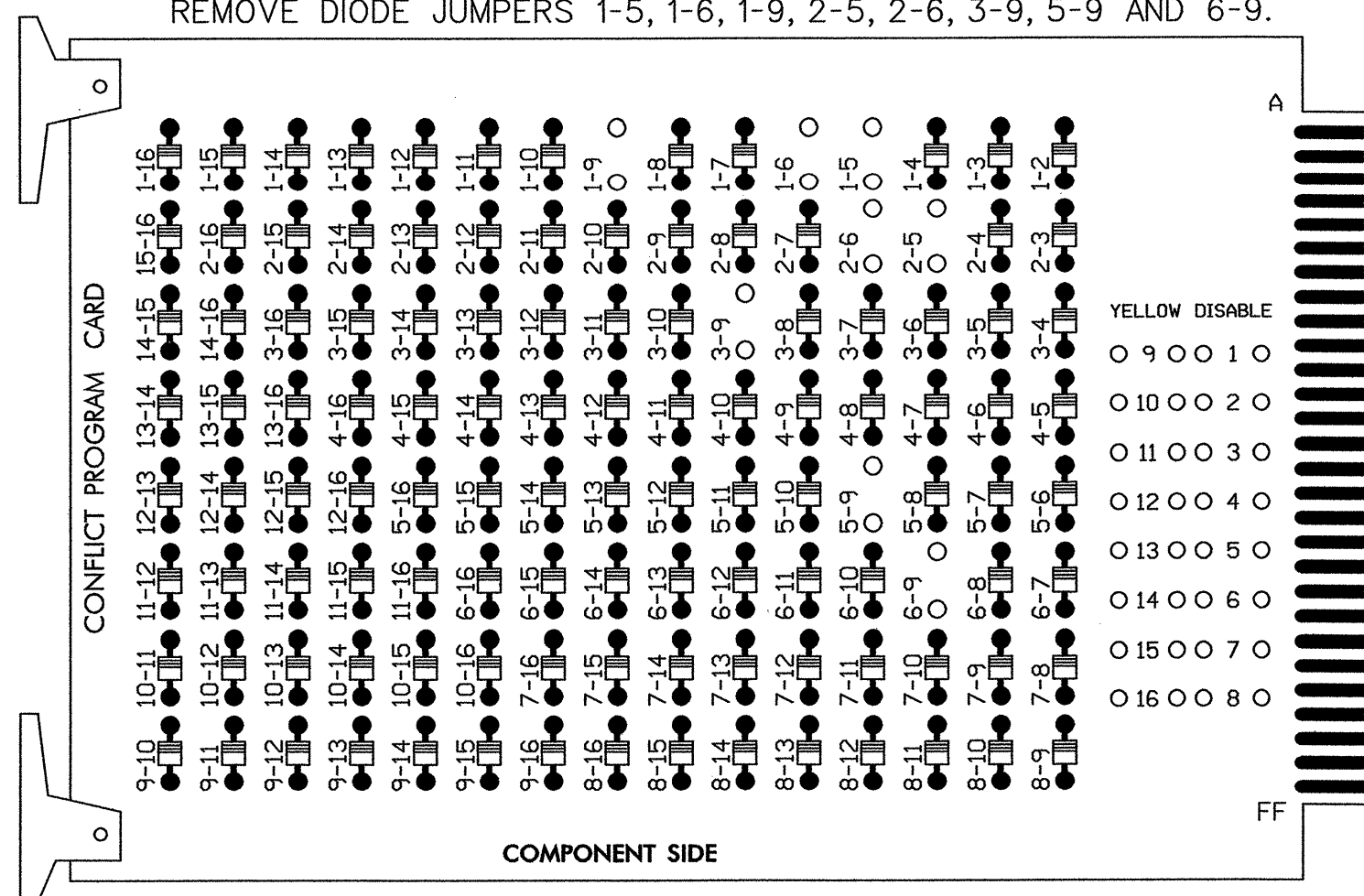
EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

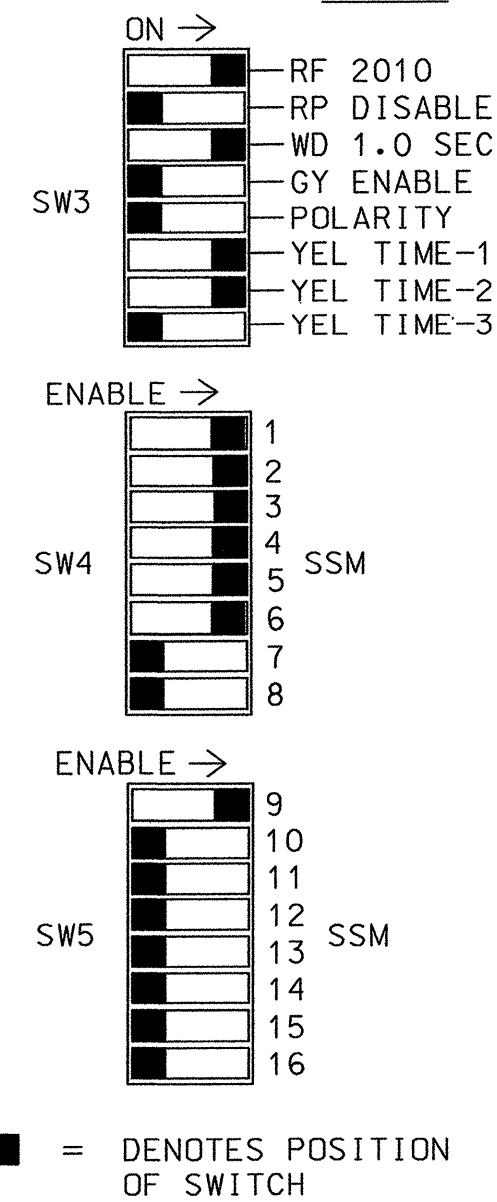


REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 2-5, 2-6, 3-9, 5-9 AND 6-9.



REMOVE JUMPERS 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 7,8,10,11,12,13,14,15 & 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 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: 0319
- INSTALL THE ACCUTIME 2000 GPS PER THE MANUFACTURER'S INSTRUCTIONS AND THE CONNECTOR WIRING DETAIL ON PAGE 2. THE GPS UNIT WILL BE REMOVED UPON INSTALLATION AND ACTUATION OF THE CLOSED LOOP SYSTEM.

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.	11,12	21,22	NU	31	32	41	42	NU	51	61,62	NU	NU	NU	33,34	NU	NU	NU	NU
GREEN		130		118	118	103	103			136								
YELLOW		129		117	117	102	102			135								
RED		128		116	116	101	101			134								
RED ARROW	125								131						A121			
YELLOW ARROW	126								132						A122			
GREEN ARROW	127			118		103		133							A123			

NU = NOT USED

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	∅ 1	∅ 2	∅ 3	∅ 4	S	S	S	S	S	S	S	S
L	1A	1B	1D	2B	3A	4A	OT	OT	OT	OT	OT	OT	OT	OT
U	NOT USED	∅ 1	∅ 2	NOT USED	NOT USED	NOT USED	FS	FS	FS	FS	FS	FS	FS	FS
L		1C	2A				ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR
U	∅ 5	∅ 6/SYS	S	S	S	S	S	S	S	S	S	S	S	S
L	5A	6A/S35	OT	OT	OT	OT	OT	OT	OT	OT	OT	OT	OT	OT
U	NOT USED	∅ 6/SYS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
L		6B/S36	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR	ISOLATOR

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

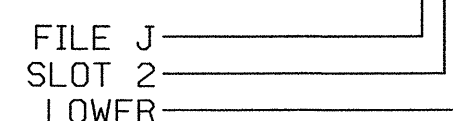
FS = FLASH SENSE
ST = STOP TIME

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
1A	TB2-1,2	I1U	56	18	1	1	Y	Y	-	---	---
1B	TB2-5,6	I2U	39	1	2	1	Y	Y	-	---	---
1C	TB2-7,8	I2L	43	5	12	1	Y	Y	-	---	10
1D	TB2-9,10	I3U	63	25	32	1	Y	Y	-	---	15
2A	TB2-11,12	I3L	76	38	42	2	Y	Y	-	---	---
2B	TB4-1,2	I4U	47	9	22	2	Y	Y	-	---	---
3A	TB4-5,6	I5U	58	20	3	3	Y	Y	-	---	---
4A	TB4-9,10	I6U	41	3	4	4	Y	Y	-	---	10
5A	TB3-1,2	J1U	55	17	5	5	Y	Y	-	---	---
* 6A/S35	TB3-5,6	J2U	40	2	6	6/SYS	Y	Y	-	---	---
* 6B/S36	TB3-7,8	J2L	44	6	16	6/SYS	Y	Y	-	---	---

* SYSTEM DETECTOR

INPUT FILE POSITION LEGEND: J2L



EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
CABINETCONTRACTOR SUPPLIED 332
SOFTWAREECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...18 (12-STD, 6-AUX)
LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S9
PHASES USED.....1,2,3,4,5,6
OVERLAPS.....OLA=1+3

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: !X X
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

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0319
DESIGNED: SEPTEMBER 2003
SEALED: 12/11/2003
REVISED: TBD

NEW INSTALLATION PAGE 1 OF 2

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ELECTRICAL AND PROGRAMMING DETAILS FOR:
US 17 (MARKET STREET) AT SR 1409 (MILITARY CUTOFF ROAD)
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
SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 07438 JAMES O. DEATON
SIG. INVENTORY NO. 03-0319