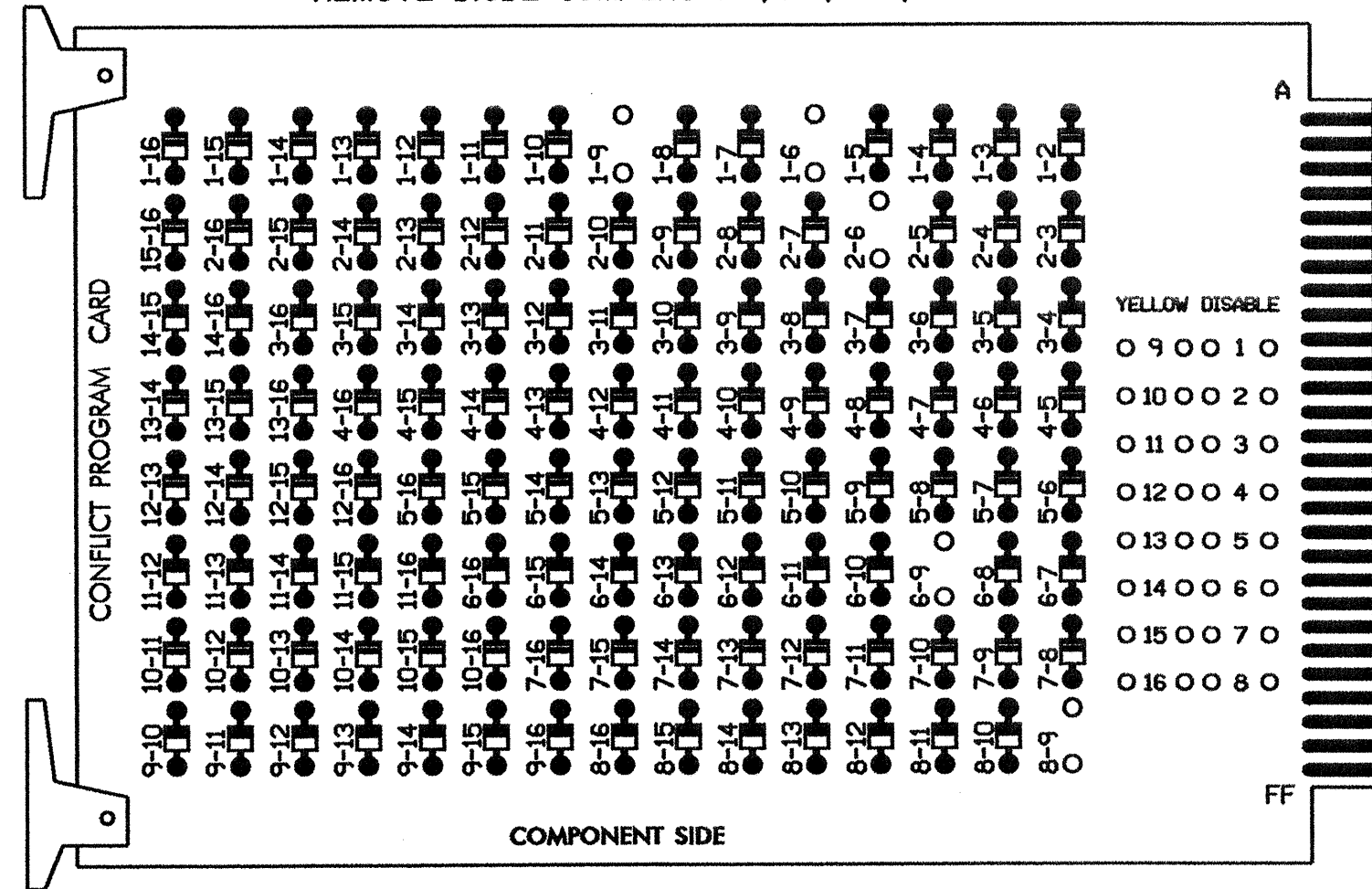
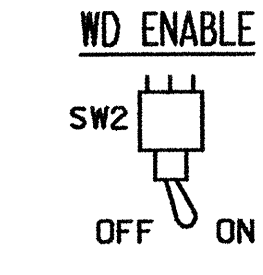


EDI MODEL 2010ECL CONFLICT MONITOR

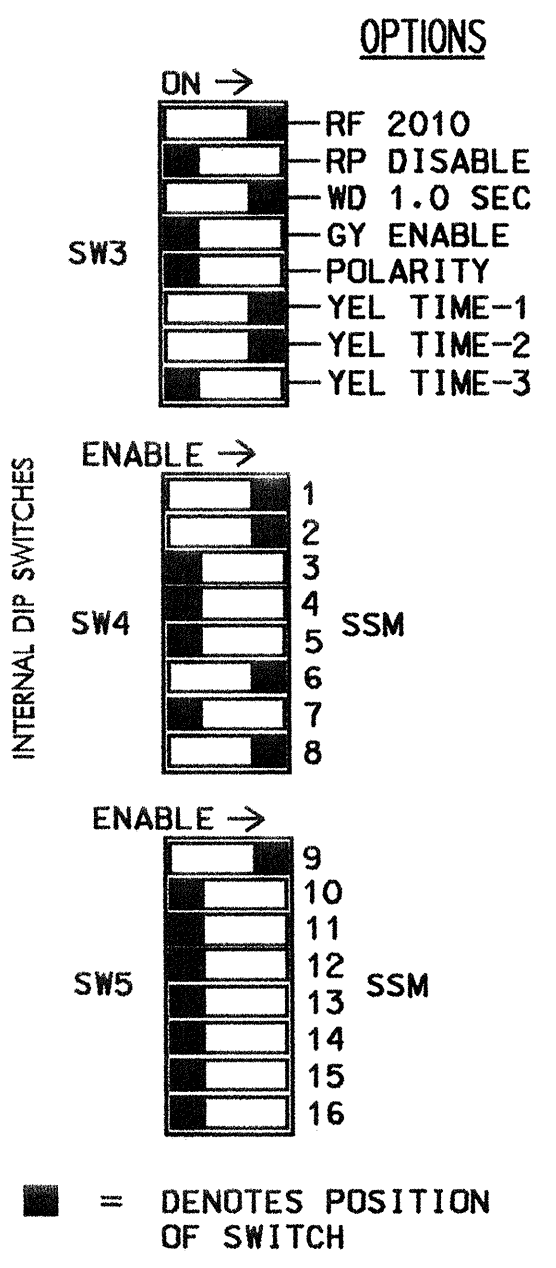
PROGRAMMING DETAIL



(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-6, 1-9, 2-6, 6-9 AND 8-9.

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. 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 3,4,5, 7,10,11,12,13,14,15 & 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 2 AND 6, ON CONTROLLER UNIT, FOR VARIABLE INITIAL AND GAP REDUCTION.

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	NU	NU	NU	NU	61,62	NU	NU	81	84	NU	82,83	NU	NU	NU	NU
GREEN		130						136			109							
YELLOW		129						135			108							
RED		128						134			107							
RED ARROW	125										107			A121				
YELLOW ARROW	126										108			A122				
GREEN ARROW	127										109			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.....S1,S2,S6,S8,S9
 PHASES USED.....1,2,6,8
 OVERLAPS.....OLA=1+8

EXISTING FROM TEMPORARY SIGNALS T1 AND T2*

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)...0.0
 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	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U	φ 1	φ 2	φ 3	φ 4	φ 5	NOT USED	φ 1	φ 2	φ 3	φ 4	φ 5	φ 6	φ 7	FS
	L	NOT USED	φ 2	φ 3	φ 4	φ 5	φ 1	φ 1	φ 2	φ 3	φ 4	φ 5	φ 6	φ 7	DC ISOLATOR
"J"	U	φ 6	φ 7	φ 8	φ 9	φ 10	φ 11	φ 12	φ 13	φ 14	φ 15	φ 16	φ 17	φ 18	DC ISOLATOR
	L	φ 6A	φ 6B	φ 7	φ 8	φ 9	φ 10	φ 11	φ 12	φ 13	φ 14	φ 15	φ 16	φ 17	DC ISOLATOR
	U	φ 6	φ 7	φ 8	φ 9	φ 10	φ 11	φ 12	φ 13	φ 14	φ 15	φ 16	φ 17	φ 18	DC ISOLATOR
	L	φ 6B	φ 7	φ 8	φ 9	φ 10	φ 11	φ 12	φ 13	φ 14	φ 15	φ 16	φ 17	φ 18	DC ISOLATOR

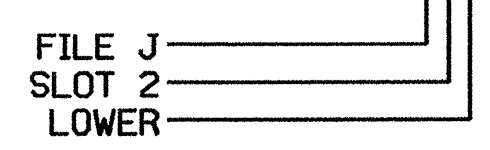
EX.: 1A, 2A, ETC. = LOOP NO.'S

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
1A	TB2-1,2	I1U	56	18	1	1	Y	Y		--	--
2A	TB2-5,6	I2U	39	1	2	2	Y	Y		--	--
2B	TB2-7,8	I2L	43	5	12	2	Y	Y		--	--
1B	TB4-11,12	I6L	45	7	14	1	Y	Y		--	--
1C	TB6-1,2	I7U	65	27	34	1	Y	Y			15
1D	TB6-3,4	I7L	78	40	44	1	Y	Y			15
6A	TB3-5,6	J2U	40	2	6	6	Y	Y		--	--
6B	TB3-7,8	J2L	44	6	16	6	Y	Y		--	--
8A	TB5-9,10	J6U	42	4	8	8	Y	Y		--	--

INPUT FILE POSITION LEGEND:



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1121
 DESIGNED: AUGUST 2004
 SEALED: 9/2/04
 REVISED: N/A

FINAL DESIGN

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Office of:

122 N. McDowell St., Raleigh, NC 27603

NC 87 / (NC 41/NC 87) at NC 41

DIVISION 06 BLADEN COUNTY DUBLIN

PLAN DATE: SEPTEMBER 2004 REVIEWED BY:

PREPARED BY: F.E. RUSS REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL

Signature: *George C. Brown* 9/8/04

SIG. INVENTORY NO. 06-1121

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