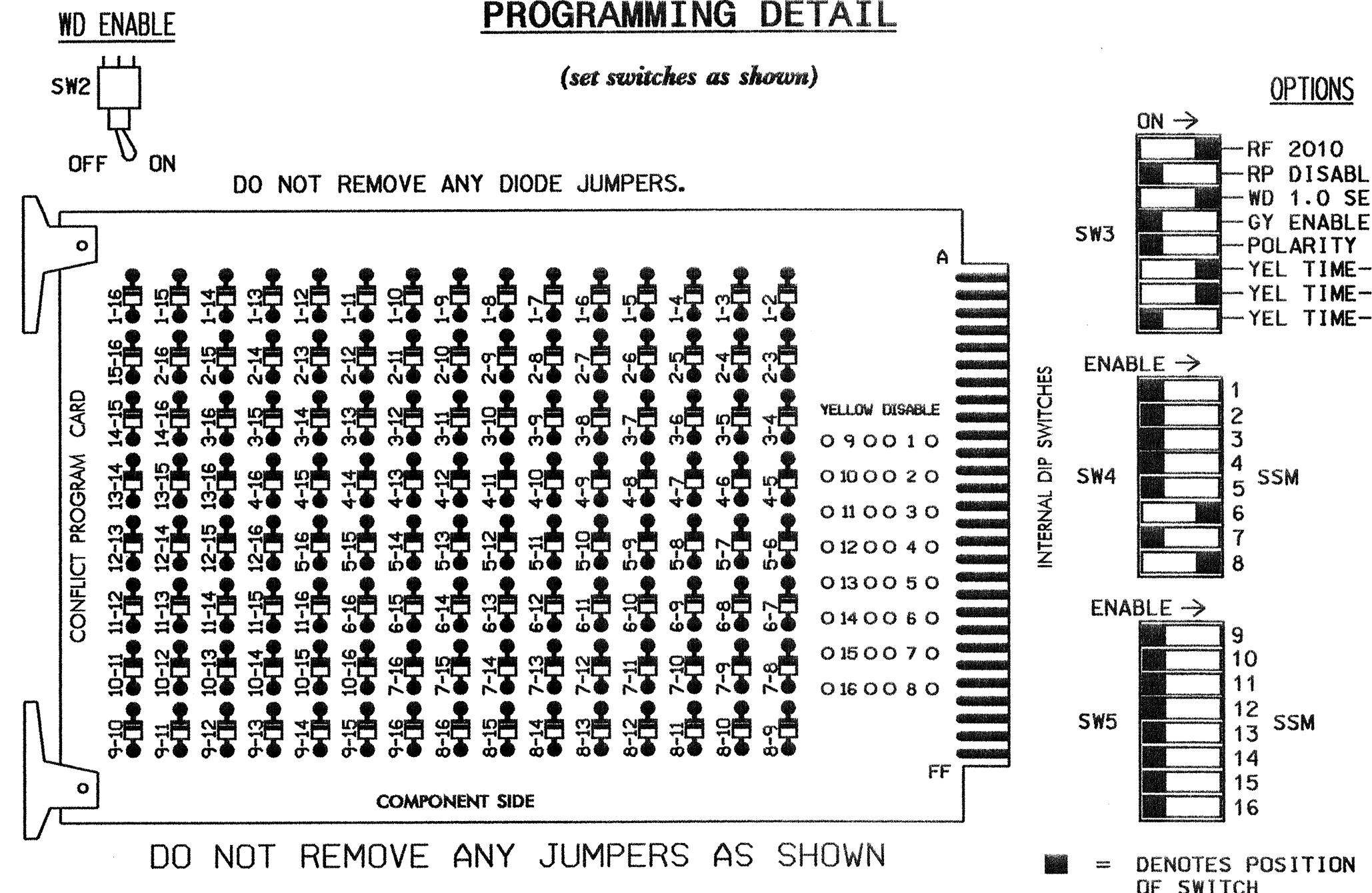


**EDI MODEL 2010ECL CONFLICT MONITOR**

**PROGRAMMING DETAIL**



**NOTES**

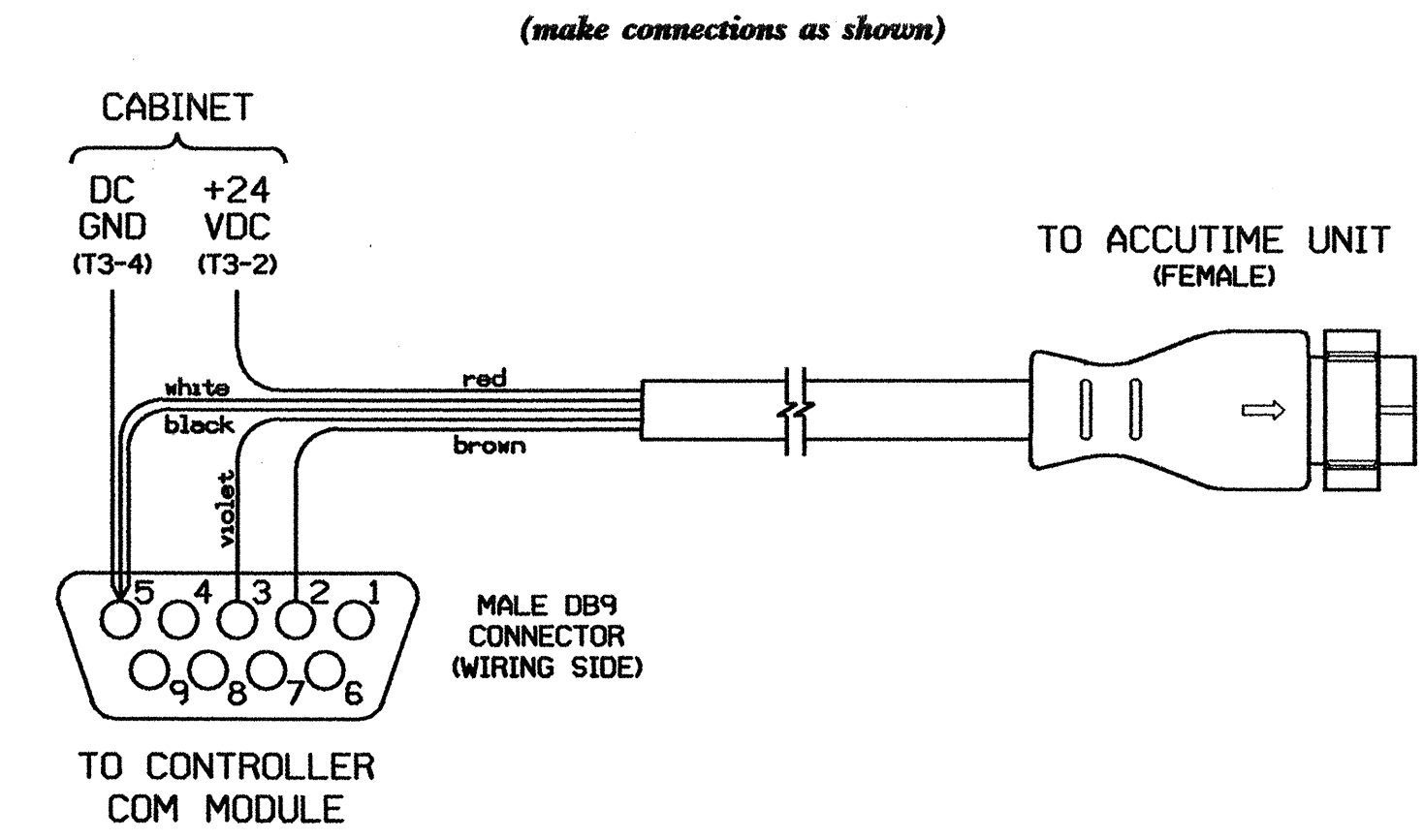
- TO PREVENT "FLASH-CONFLICT" PROBLEMS, INSERT RED FLASH PROGRAM BLOCKS FOR ALL UNUSED VEHICLE LOAD SWITCHES IN THE OUTPUT FILE. THE INSTALLER SHALL VERIFY THAT SIGNAL HEADS FLASH IN ACCORDANCE WITH THE SIGNAL PLANS.
- ENSURE THAT RED ENABLE IS ACTIVE AT ALL TIMES DURING NORMAL OPERATION. TO PREVENT RED FAILURES ON UNUSED MONITOR CHANNELS, TIE UNUSED RED MONITOR INPUTS 1,2,3, 4,5,7,9,10,11,12,13,14,15 & 16 TO LOAD SWITCH AC+ PER THE CABINET MANUFACTURER'S INSTRUCTIONS.
- PROGRAM CONTROLLER TO START UP IN PHASE 6 GREEN.
- ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
- PROGRAM PHASE 6, ON CONTROLLER UNIT, FOR VARIABLE INITIAL AND GAP REDUCTION.
- THE CABINET AND CONTROLLER ARE PART OF THE CHAPEL HILL 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.	NU	NU	NU	NU	NU	NU	NU	61,62	NU	NU	61,62	83
GREEN								136			109	
YELLOW								135			108	
RED								134			107	
RED ARROW											107	
YELLOW ARROW											108	
GREEN ARROW											109	

NU = NOT USED

**CONNECTOR WIRING DETAIL FOR ACCUTIME 2000 WITH RS232 INTERFACE**



SIGNAL DESCRIPTION	12 CONDUCTOR CABLE COLOR	ACCUTIME CONNECTOR	DB9 TO CONTROLLER	CABINET CONNECTION
DC POWER	RED	PIN 1		T3-2
PORT B: RECEIVE	VIOLET	PIN 2	PIN 3	
PORT B: TRANSMIT	BROWN	PIN 4	PIN 2	
PORT A: RECEIVE	WHITE	PIN 6	PIN 5	
DC GROUND	BLACK	PIN 9	PIN 5	T3-4

NOTE: ALL OTHER WIRES IN THE ACCUTIME CABLE ARE UNUSED AND SHOULD BE TIED OFF.

THE COM PORT USED BY THE ACCUTIME UNIT NEEDS TO BE CONFIGURED IN THE OASIS SOFTWARE USING THE SETTING BELOW:

- TRIMBLE TSIP GPS PROTOCOL
- 9600 BAUD
- 8 DATA BITS
- 1 STOP BIT
- ODD PARITY

NOTE: REMOVE GPS UNIT UPON COMPLETION OF PROJECT.

**EQUIPMENT INFORMATION**

CONTROLLER.....CONTRACTOR SUPPLIED 2070L  
 CABINET.....CONTRACTOR SUPPLIED 332  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S6,S8  
 PHASES USED.....6,8  
 OVERLAPS.....NONE

**INPUT FILE POSITION LAYOUT**

(front view)

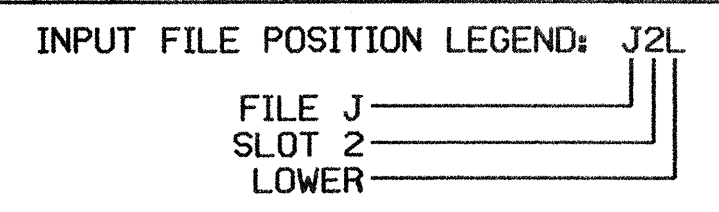
FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14	FS
"I"	U	10/S	10/S	10/S	10/S	10/S	10/S	10/S	10/S	10/S	10/S	10/S	10/S	10/S	10/S	DC ISOLATOR
"J"	U	10/S	6A/SYS	10/S	10/S	10/S	8A	10/S	10/S	10/S	10/S	10/S	10/S	10/S	10/S	DC ISOLATOR
"J"	L	10/S	6A/S07	10/S	10/S	10/S	8A	10/S	10/S	10/S	10/S	10/S	10/S	10/S	10/S	
"J"	L	10/S	6B/SYS	10/S	10/S	10/S	8B	10/S	10/S	10/S	10/S	10/S	10/S	10/S	10/S	
"J"	L	10/S	6B/S08	10/S	10/S	10/S	8B	10/S	10/S	10/S	10/S	10/S	10/S	10/S	10/S	

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
6A/07	TB3-5,6	J2U	40	2	6	6/SYS	Y	Y			
6B/08	TB3-7,8	J2L	44	6	16	6/SYS	Y	Y			
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			
8B	TB5-11,12	J6L	46	8	18	8	Y	Y			



**NEW INSTALLATION**

ELECTRICAL AND PROGRAMMING DETAILS FOR:

**US 15/501 NORTHBOUND U-TURN .15 MILES NORTH OF EUROPA DRIVE**

DIVISION 07 ORANGE COUNTY CHAPEL HILL

PLAN DATE: AUGUST 2004 REVIEWED BY: R. Hinkley

PREPARED BY: JAMES PETERSON REVIEWED BY:

REVISIONS INIT. DATE

SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 022013  
GEORGE C. BROWN

122 N. McDowell St., Raleigh, NC 27603

08-SEP-2004 08:25  
U:\072067\...xva.dgn  
j.peterson

SIG. INVENTORY NO. 07-2067