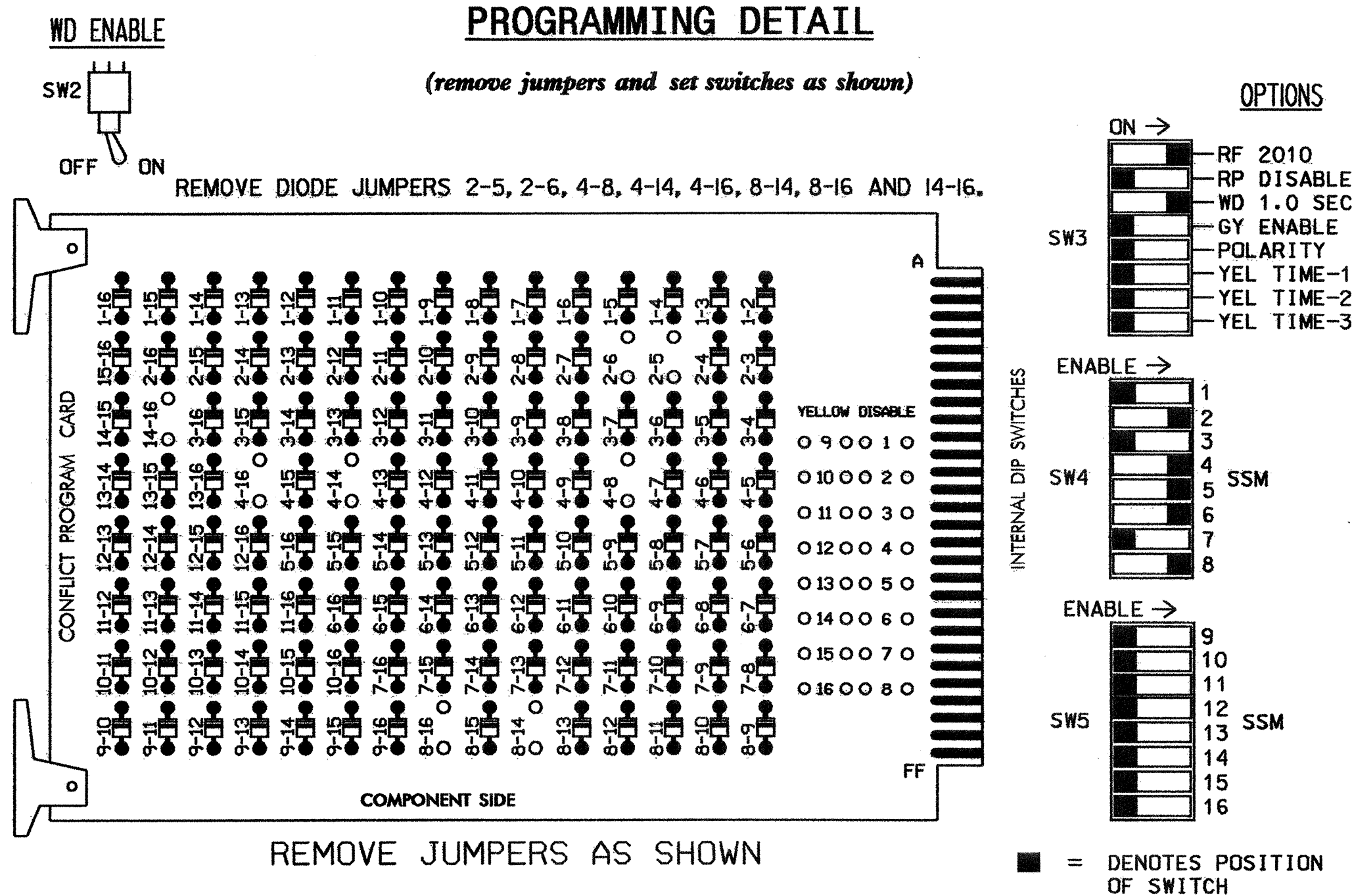


**EDI MODEL 2010ECL CONFLICT MONITOR**

**PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)



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 1,3,7,9,10,11,12,13,14,15 & 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 FOR 'STARTUP PED CALL'.
- THE CABINET AND CONTROLLER ARE PART OF THE GASTONIA CITY SYSTEM.

**EQUIPMENT INFORMATION**

CONTROLLER.....CONTRACTOR SUPPLIED 2070L  
 CABINET .....CONTRACTOR SUPPLIED 336  
 SOFTWARE .....ECONOLITE OASIS  
 CABINET MOUNT.....POLE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,S4,S4P,S5,S6,S8,S8P  
 PHASES USED.....2,4,5,6,8,4 PED,8 PED  
 OVERLAPS.....NONE

**FIELD CONNECTION HOOK-UP CHART**

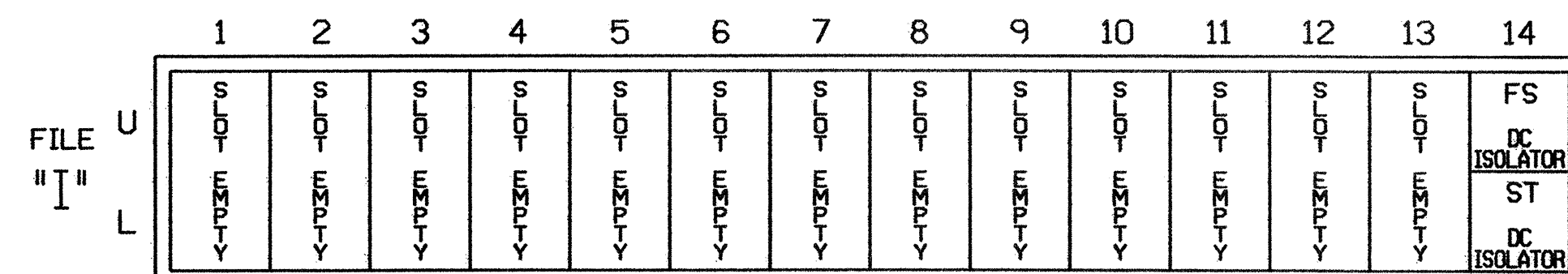
LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	P41, P42	21	61,62	NU	NU	81,82	P81, P82
GREEN		130			103			136			109	
YELLOW		129			102			135			108	
RED		128			101		*	134			107	
RED ARROW												
YELLOW ARROW								132				
GREEN ARROW								133				
								106				112
								104				110

NU = NOT USED

\* DENOTES INSTALL LOAD RESISTOR. SEE LOAD RESISTOR INSTALLATION DETAIL THIS PAGE.

**INPUT FILE POSITION LAYOUT**

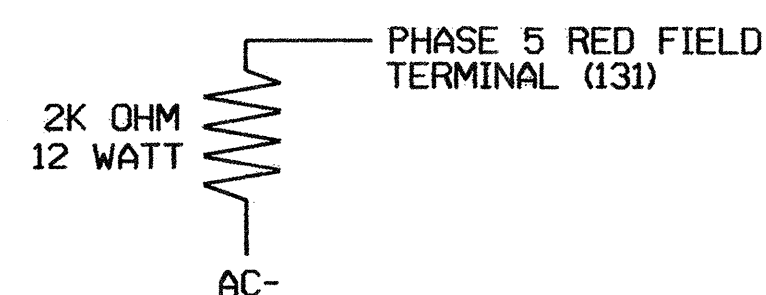
(front view)



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

FS = FLASH SENSE  
 ST = STOP TIME

**LOAD RESISTOR INSTALLATION DETAIL**



NOTE: THE PURPOSE OF THIS RESISTOR IS TO LOAD THE CHANNEL RED MONITOR INPUT IN ORDER FOR THE SIGNAL SEQUENCE MONITOR TO USE THE FULL SIGNAL SEQUENCE MONITORING CAPABILITY ON CHANNELS THAT DO NOT USE THE RED DISPLAY IN THE FIELD.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0041  
 DESIGNED: APRIL 2004  
 SEALED: 1/3/05  
 REVISED:

**SIGNAL UPGRADE**

ELECTRICAL AND PROGRAMMING DETAILS FOR:

**US 29-74-NC 274**  
 (E. FRANKLIN BOULEVARD)  
 AT  
**S. MARIETTA STREET**  
 GASTON COUNTY GASTONIA

PLAN DATE: DECEMBER 2004 REVIEWED BY: *[Signature]*  
 PREPARED BY: WILLIAM HAIRSTON REVIEWED BY:

REVISIONS: \_\_\_\_\_ INIT. DATE

*[Signature]* 2/24/05  
 SIGNATURE DATE

SIG. INVENTORY NO. 12-0041