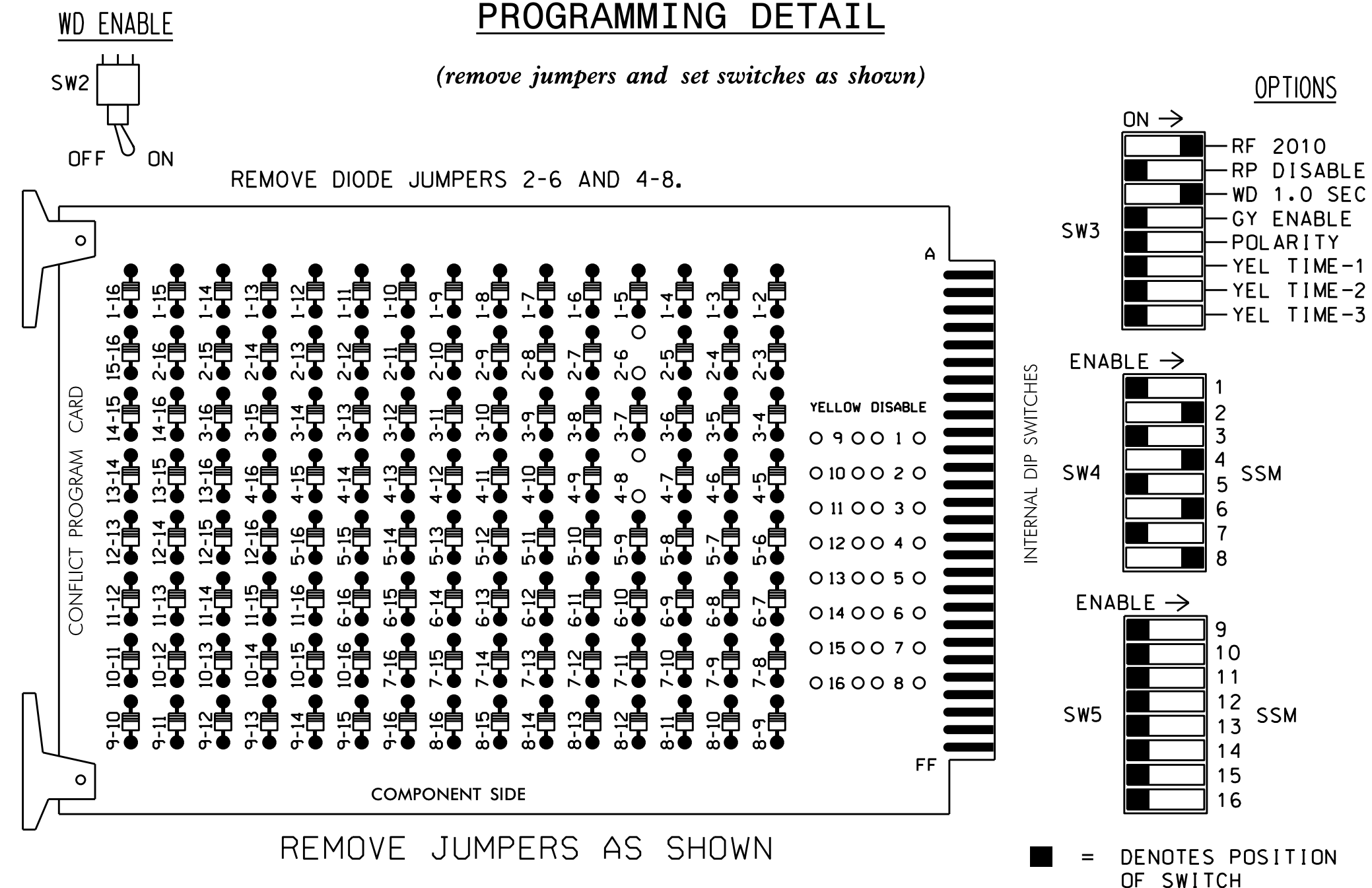


EDI MODEL 2010ECL-HCK CONFLICT MONITOR

PROGRAMMING DETAIL



NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Make sure jumpers SEL2-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 1,3,5,7,9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the US 701 Bus. (Clinton) Closed Loop System.

SIGNAL HEAD 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	NU	NU	61,62	NU	NU	81,82	NU
RED		128			101			134			107	
YELLOW		129			102			135			108	
GREEN		130			103			136			109	
RED ARROW												
YELLOW ARROW												
GREEN ARROW												

NU = Not Used

EQUIPMENT INFORMATION

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

INPUT FILE POSITION LAYOUT

(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
SYS. DET. SD1	S	SYS. DET. SD3	∅ 4	∅ 2	∅ 6	∅ 8	∅ 8	S	S	S	S	S	S	S	FS
SYS. DET. SD2	Y	SYS. DET. SD4	4A	2A,2B	6A,6B	8C	8A	Y	Y	Y	Y	Y	Y	Y	DC ISOLATOR
			4B	6C	NOT USED	2C	8B								DC ISOLATOR

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

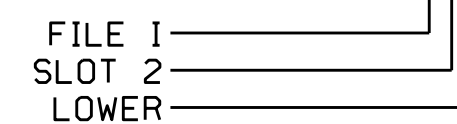
FS = FLASH SENSE
 ST = STOP TIME

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
2A,2B	TB21-9,10	15U	55	17	5	2	Y	Y			
2C	TB23-13,14	17L	50	12	28	2	Y	Y			3
4A	TB21-7,8	14U	41	3	4	4	Y	Y			3
4B	TB23-7,8	14L	45	7	14	4	Y	Y			10
6A,6B	TB21-11,12	16U	40	2	6	6	Y	Y			
6C	TB23-9,10	15L	48	10	26	6	Y	Y			3
8A	TB22-1,2	18U	42	4	8	8	Y	Y		3.0	
8B	TB24-1,2	18L	46	8	18	8	Y	Y			3
8C	TB21-13,14	17U	57	19	7	8	Y	Y			10
*SD1	TB21-1,2	11U	56	18	1	SYS					
*SD2	TB23-1,2	11L	47	9	22	SYS					
*SD3	TB21-5,6	13U	58	20	3	SYS					
*SD4	TB23-5,6	13L	49	11	24	SYS					

* System detector only. Remove the vehicle phase assigned to this detector in the default programming.

INPUT FILE POSITION LEGEND: 12L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0178
 DESIGNED: March 2017
 SEALED: 4-26-17
 REVISED: N/A

Electrical Detail

Prepared In the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

Electrical and Programming Details For: **US 701 Bus. (Northeast Blvd.) at (Issac Weeks Road) / SR 1749 (Dixon Street)**

Division 3 Sampson County Clinton

PLAN DATE: April 2017 REVIEWED BY:
 PREPARED BY: James Peterson REVIEWED BY:

REVISIONS: _____ INIT. DATE

DocuSigned by:

 Keith M. Mims 5/4/2017

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 KEITH M. MIMS
 SEAL 036880

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIG. INVENTORY NO. 03-0178

04-MAY-2017 11:39
 S:\MITS\03\15\SIGNAL\work\hgr\cupas\sig_mon\peter.som\030178_sml.e...xxx.dgn
 J. Peterson