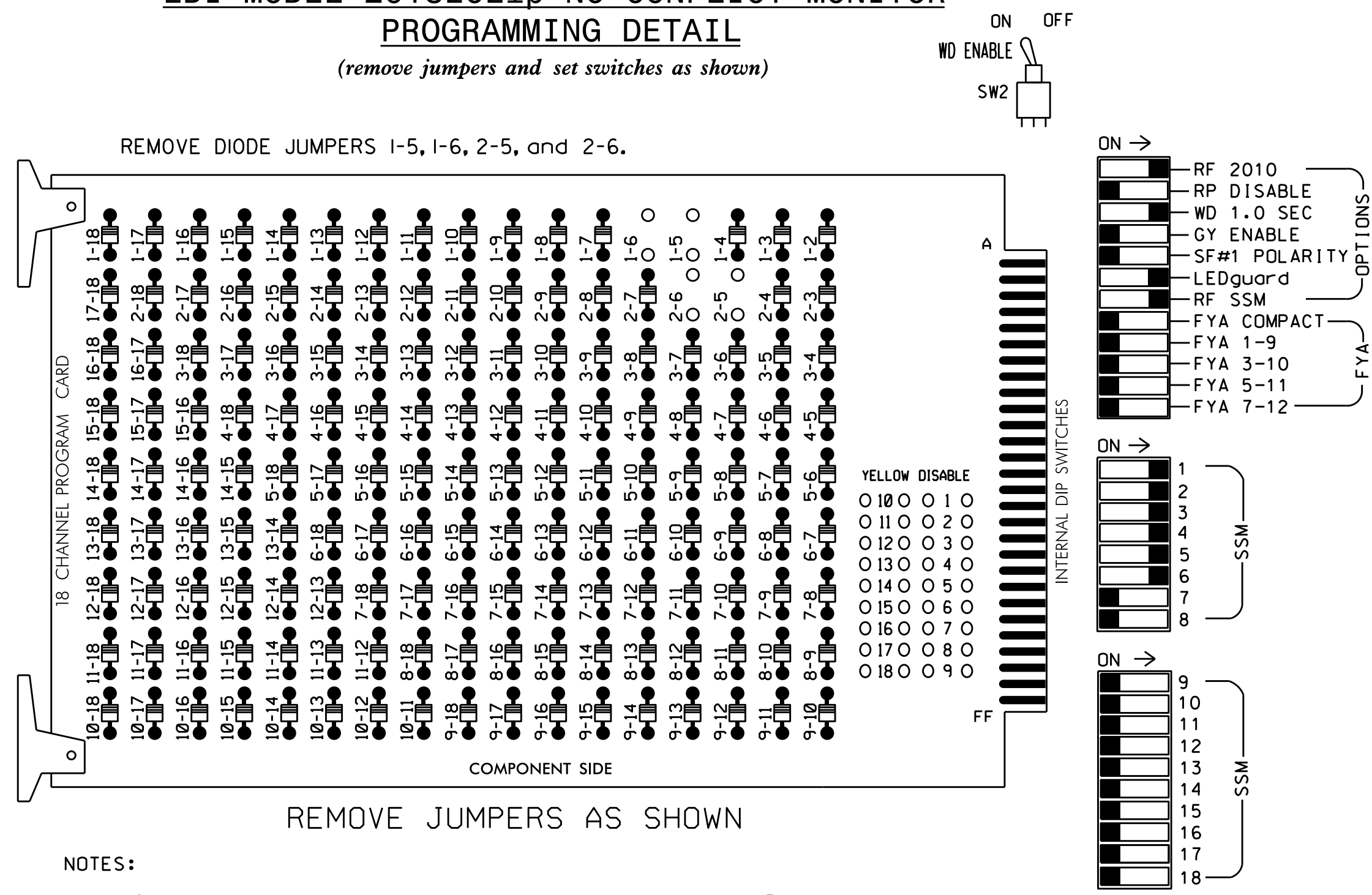


**EDI MODEL 2018EClip-NC CONFLICT MONITOR  
PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)



- NOTES:
- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
  - Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
  - Ensure that Red Enable is active at all times during normal operation.
  - Integrate monitor with Ethernet network in cabinet.

**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.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- 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 Asheville Signal System.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070E  
 CABINET.....332 W/ AUX  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8  
 PHASES USED.....1,2,3,4,5,6  
 OVERLAPS.....NONE

**SIGNAL HEAD HOOK-UP CHART**

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
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	21,22	NU	31,32,33,34	41	42	62	NU	51	61,62	NU	NU	NU	NU	NU	NU	NU	NU
RED	128			116	101	101			134									
YELLOW	129			117	102	102			135									
GREEN	130			118	103	103			136									
RED ARROW	125			116					131									
YELLOW ARROW	126			117			102	132										
GREEN ARROW	127			118	103	103	133											

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 1A	∅ 2 2A	∅ 2 2C	S ∅ 3 3A	S ∅ 3 3B	S ∅ 4 4A	S ∅ 4 4B	S ∅ 4 4C	SYS. DET. S1	S ∅ 4 4D	S ∅ 4 4E	S ∅ 4 4F	S ∅ 4 4G	FS ISOLATOR
L	NOT USED	∅ 2 2B	NOT USED	NOT USED	∅ 3 3C	∅ 4 4B	∅ 4 4C	∅ 4 4D	SYS. DET. S2	∅ 4 4E	∅ 4 4F	∅ 4 4G	∅ 4 4H	DC ISOLATOR
U	∅ 5 5A	∅ 6/SYS 6A/S4	S ∅ 6/SYS 6B/S5	S ∅ 6/SYS 6C/S5	S ∅ 6/SYS 6D/S5	S ∅ 6/SYS 6E/S5	S ∅ 6/SYS 6F/S5	S ∅ 6/SYS 6G/S5	SYS. DET. S3	S ∅ 6/SYS 6H/S5	S ∅ 6/SYS 6I/S5	S ∅ 6/SYS 6J/S5	S ∅ 6/SYS 6K/S5	S ∅ 6/SYS 6L/S5
L	NOT USED	∅ 6/SYS 6B/S5	∅ 6/SYS 6C/S5	∅ 6/SYS 6D/S5	∅ 6/SYS 6E/S5	∅ 6/SYS 6F/S5	∅ 6/SYS 6G/S5	∅ 6/SYS 6H/S5	NOT USED	∅ 6/SYS 6I/S5	∅ 6/SYS 6J/S5	∅ 6/SYS 6K/S5	∅ 6/SYS 6L/S5	ST ISOLATOR

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

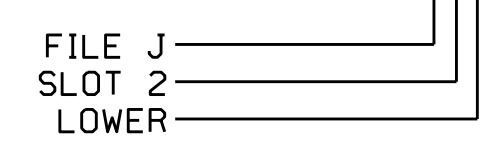
FS = FLASH SENSE  
ST = STOP TIME

**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	11U	56	18	1	1	Y	Y			
2A	TB2-5,6	12U	39	1	2	2	Y	Y			
2B	TB2-7,8	12L	43	5	12	2	Y	Y			
2C	TB2-9,10	13U	63	25	32	2	Y	Y			
3A	TB4-5,6	15U	58	20	3	3	Y	Y			
3B	TB4-9,10	16U	41	3	4	3	Y	Y			
3C	TB4-11,12	16L	45	7	14	3	Y	Y			
4A	TB6-1,2	17U	65	27	34	4	Y	Y			3
4B	TB6-3,4	17L	78	40	44	4	Y	Y			10
5A	TB3-1,2	11U	55	17	5	5	Y	Y			3
6A/S4	TB3-5,6	12U	40	2	6	6/SYS	Y	Y			
6B/S5	TB3-7,8	12L	44	6	16	6/SYS	Y	Y			
* S1	TB6-9,10	19U	60	22	11	SYS					
* S2	TB6-11,12	19L	62	24	13	SYS					
* S3	TB7-9,10	19U	59	21	15	SYS					

\* SYSTEM DETECTOR ONLY. REMOVE THE VEHICLE PHASE ASSIGNED TO THIS DETECTOR IN THE DEFAULT PROGRAMMING.

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0214  
 DESIGNED: June 2016  
 SEALED: 8/16/2016  
 REVISED: N/A

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

US 19-23-74A (Patton Ave) at Johnson Blvd/Haywood Rd

Division 13 Buncombe County Asheville

PLAN DATE: July 2016 REVIEWED BY: BAS

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

750 N. Greenfield Pkwy, Garner, NC 27529

Seal of Keith M. Mims, Professional Engineer, No. 036880, State of North Carolina.

DocuSigned by: Keith M. Mims 9/9/2016

SIG. INVENTORY NO. 13-0214

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