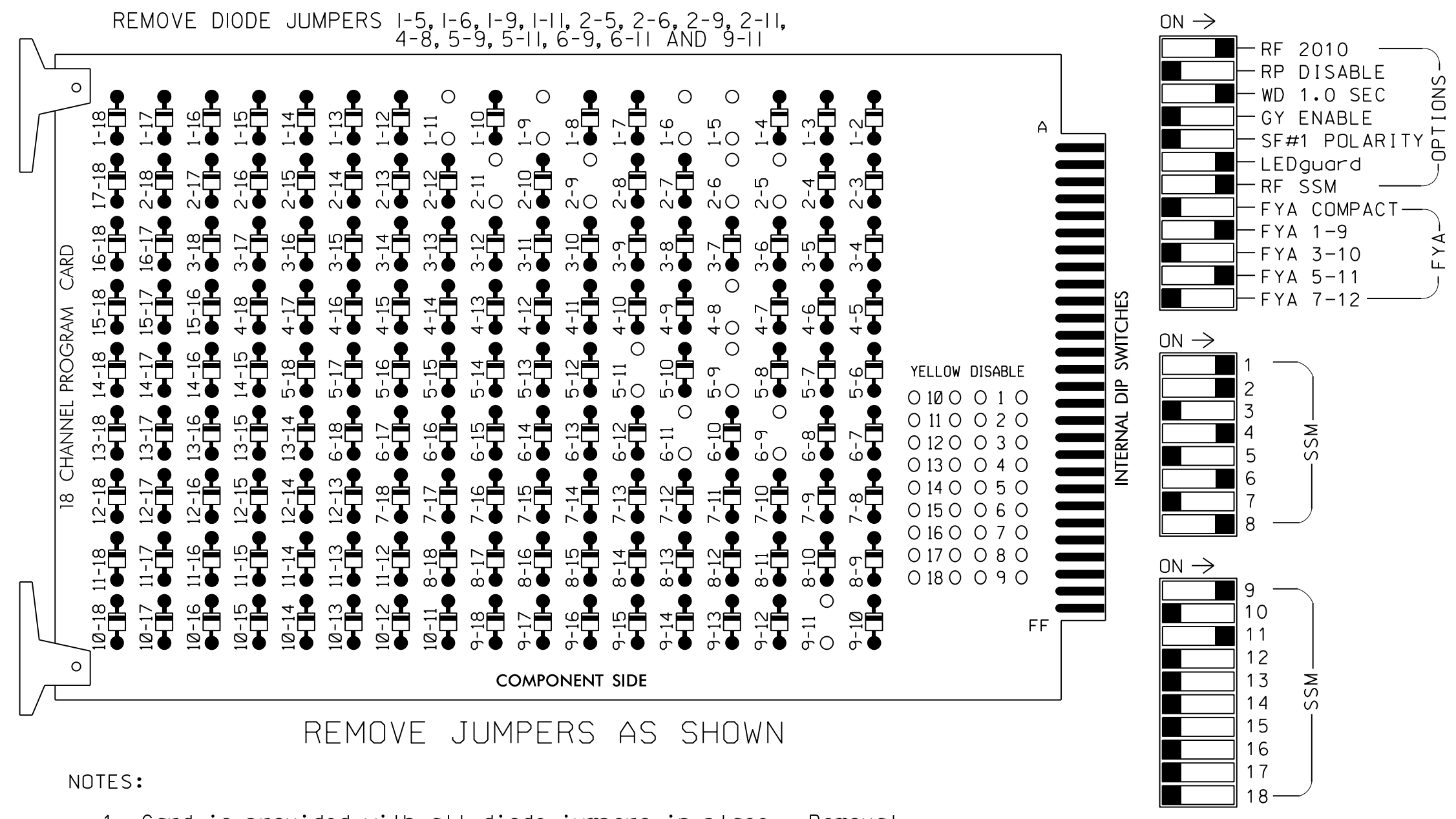


**EDI MODEL 2018EClip-NC CONFLICT MONITOR**  
**PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)



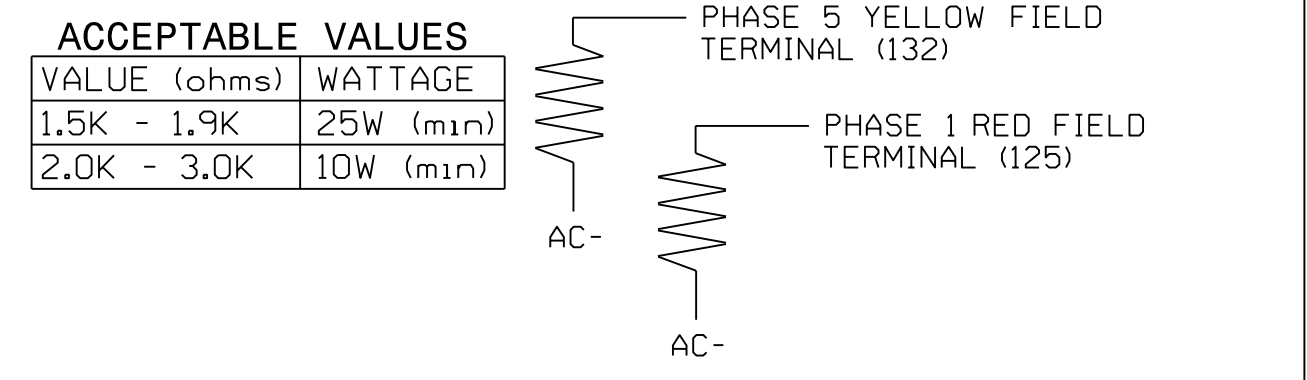
- NOTES:**
- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
  - Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
  - Ensure that Red Enable is active at all times during normal operation.
  - Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

**INPUT FILE POSITION LAYOUT**  
(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	∅ 1 1A	∅ 2 2A,2B	∅ 1 1B	∅ 3 3A,3B	∅ 4 4A	∅ 5 5A	∅ 6 6A,6B	∅ 7 7A,7B	∅ 8 8A	∅ 9 9A,9B	∅ 10 10A,10B	∅ 11 11A,11B	∅ 12 12A,12B	∅ 13 13A,13B	FS DC ISOLATOR
FILE "J"	NOT USED	∅ 2 2C,2D	NOT USED	∅ 3 3C,3D	∅ 4 4B	∅ 5 5A	∅ 6 6C,6D	∅ 7 7C,7D	∅ 8 8B	∅ 9 9C,9D	∅ 10 10C,10D	∅ 11 11C,11D	∅ 12 12C,12D	∅ 13 13C,13D	ST DC ISOLATOR

EX.: 1A, 2A, ETC. = LOOP NO.'S  
 FS = FLASH SENSE  
 ST = STOP TIME  
 ⊗ Wired Input - Do not populate slot with detector card

**LOAD RESISTOR INSTALLATION DETAIL**  
(install resistors as shown below)



**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.
- Program phases 4 and 8 for Dual Entry.
- Program controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of Signal System # 10605.

**SIGNAL HEAD HOOK-UP CHART**

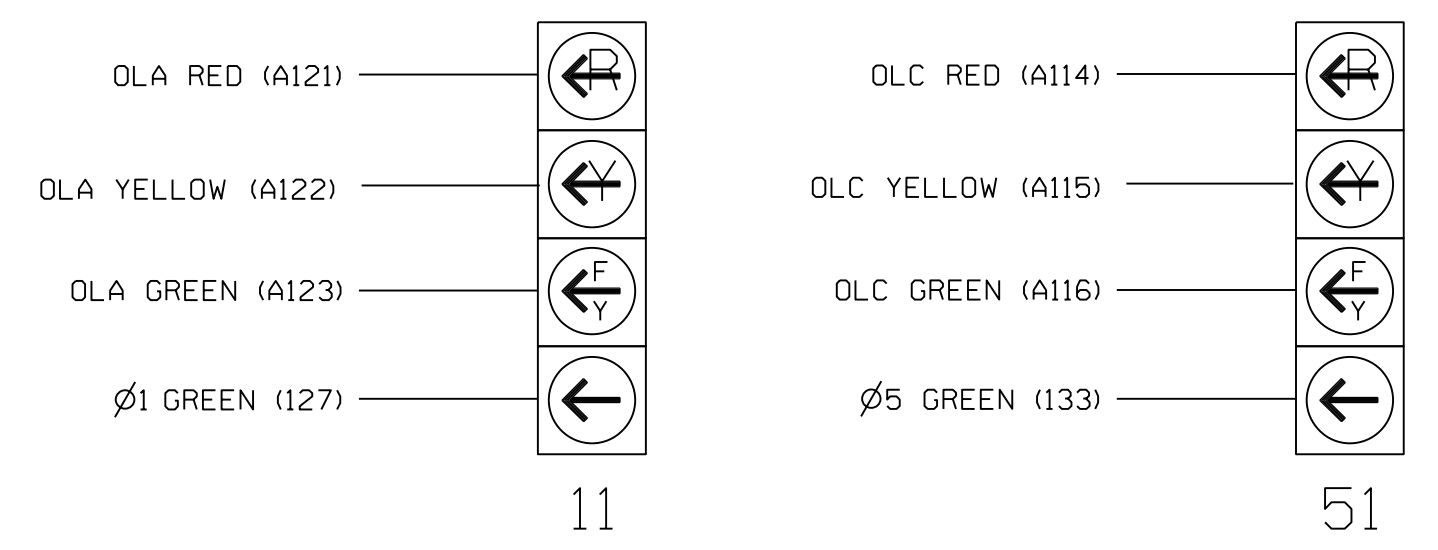
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CNU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11*	82	21,22	NU	NU	41,42	NU	51*	61,62	NU	NU	81,82	NU	11*	NU	NU	51*	NU
RED	*	128			101			134			107							
YELLOW		129			102		*	135			108							
GREEN		130			103			136			109							
RED ARROW													A121				A114	
YELLOW ARROW		126											A122				A115	
FLASHING YELLOW ARROW													A123				A116	
GREEN ARROW	127	127						133										

NU = Not Used  
 \* Denotes install load resistor. See Load Resistor Installation Detail this sheet.  
 \* See pictorial of head wiring in detail below.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070LX  
 CABINET.....332 W/AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S1,S2,S5,S7,S8,S11,AUX S1,  
 AUX S4  
 PHASES USED.....1,2,4,5,6,8  
 OVERLAP "A".....\*  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....\*  
 OVERLAP "D".....NOT USED  
 \* See overlap programming detail on sheet 2

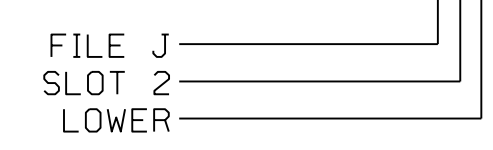
**4-SECTION FYA-PPLT SIGNAL WIRING DETAIL**  
(wire signal heads as shown)



**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
1A <sup>1</sup>	TB2-1,2	I1U	56	1	1	YES		15		N
		J4U	48	26	6	YES				G
2A,2B	TB2-5,6	I2U	39	2	2	YES	1.6			N
2C,2D	TB2-7,8	I2L	43	12	2	YES				N
1B	TB2-9,10	I3U	63	32	1	YES		15		N
4A	TB4-9,10	I6U	41	4	4	YES		3		N
4B	TB4-11,12	I6L	45	14	4	YES		10		N
5A <sup>2</sup>	TB3-1,2	J1U	55	5	5	YES		15		N
		I4U	47	22	2	YES				G
6A,6B	TB3-5,6	J2U	40	6	6	YES	1.6			N
6C,6D	TB3-7,8	J2L	44	16	6	YES				N
8A	TB5-9,10	J6U	42	8	8	YES		3		N
8B	TB5-11,12	J6L	46	18	8	YES				N

<sup>1</sup>Add jumper from I1-W to J4-W, on rear of input file.  
<sup>2</sup>Add jumper from J1-W to I4-W, on rear of input file.  
 INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0507  
 DESIGNED: MARCH 2011  
 SEALED: 05/15/20  
 REVISED:

Electrical Detail - Sheet 1 of 2

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SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 MATTHEW S. COPPLE  
 27777

Division 06 Columbus County Whiteville  
 PLAN DATE: APRIL 2020 REVIEWED BY: J. Rowe  
 PREPARED BY: M. Copple REVIEWED BY: