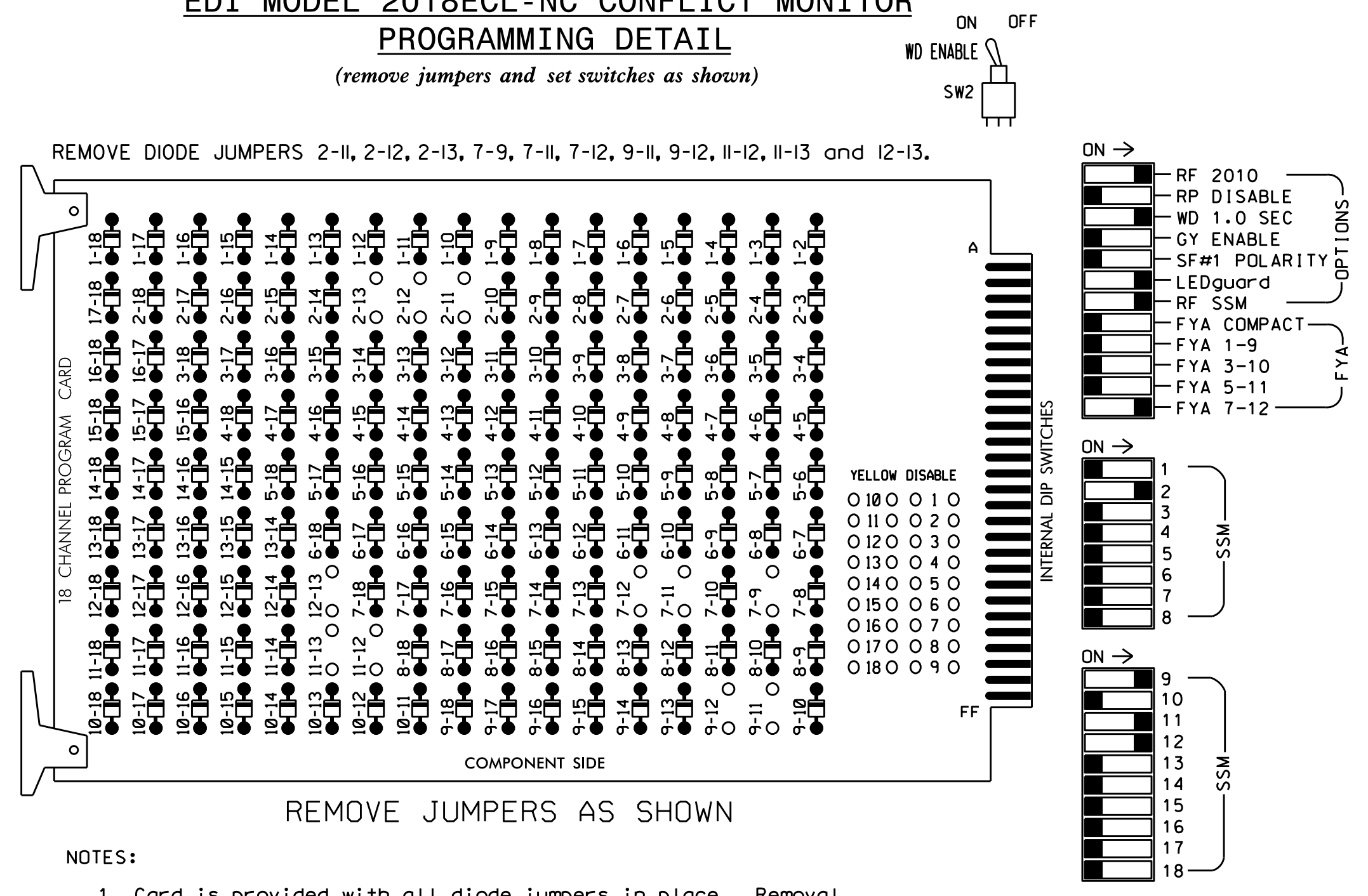


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



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 phase 2 for Startup In Green.
- Program phase 2 for Startup Ped Call.
- Program phase 2 for Yellow Flash.
- The cabinet and controller are part of the NC 24 (Sunset Avenue) Closed Loop System.

EQUIPMENT INFORMATION

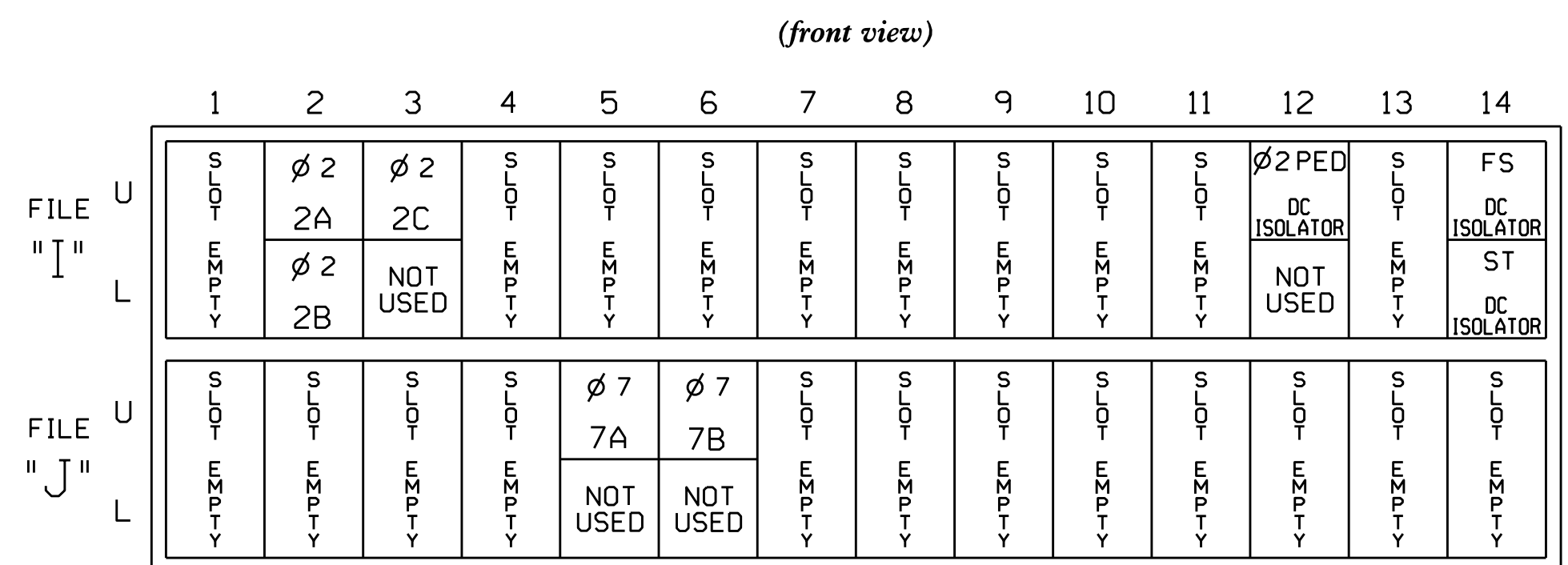
CONTROLLER.....2070
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S2,S3,S10,AUX S1,AUX S4,AUX S5
 PHASES USED.....2,7
 OVERLAP "A".....7
 OVERLAP "B".....NOT USED
 OVERLAP "C".....2+7
 OVERLAP "D".....2+7

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.	NU	21, 22, 23	P21, P22	NU	NU	NU	NU	NU	NU	71★	NU	NU	72, 73	NU	NU	C1, C2, C3	71★	NU
RED		128											A121				A114	
YELLOW		129								*							A115	
GREEN		130															A116	
RED ARROW																		A101
YELLOW ARROW													A122					A102
FLASHING YELLOW ARROW																		A103
GREEN ARROW										124			A123					
Hand icon				113														
Person icon				115														

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.
 ★ See pictorial of head wiring in detail below.

INPUT FILE POSITION LAYOUT

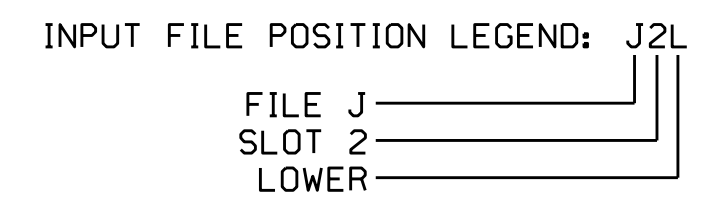


INPUT FILE CONNECTION & PROGRAMMING CHART

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	TB2-5,6	I2U	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
2C	TB2-9,10	I3U	63	25	32	2	Y	Y			
7A	TB5-5,6	J5U	57	19	7	7	Y	Y			15
	-	J5U	57	19★	57	7	Y	Y			
7B	TB5-9,10	J6U	42	4	8	7	Y	Y			10
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					

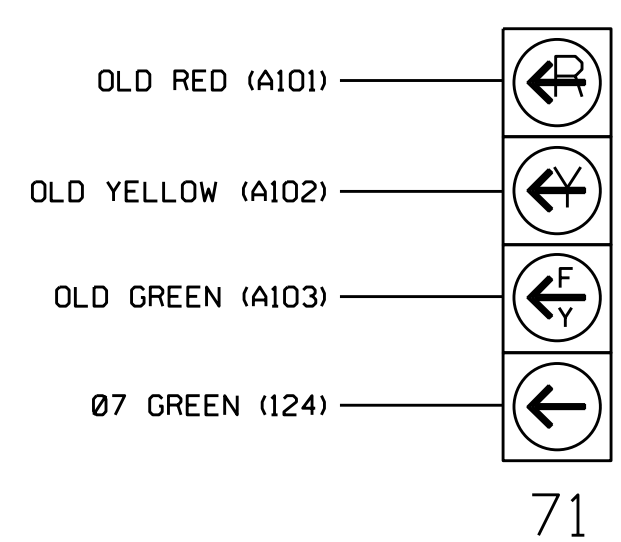
NOTE:
 INSTALL DC ISOLATORS IN INPUT FILE SLOT 112.

★ See Input Page Assignment programming details on sheet 3.



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



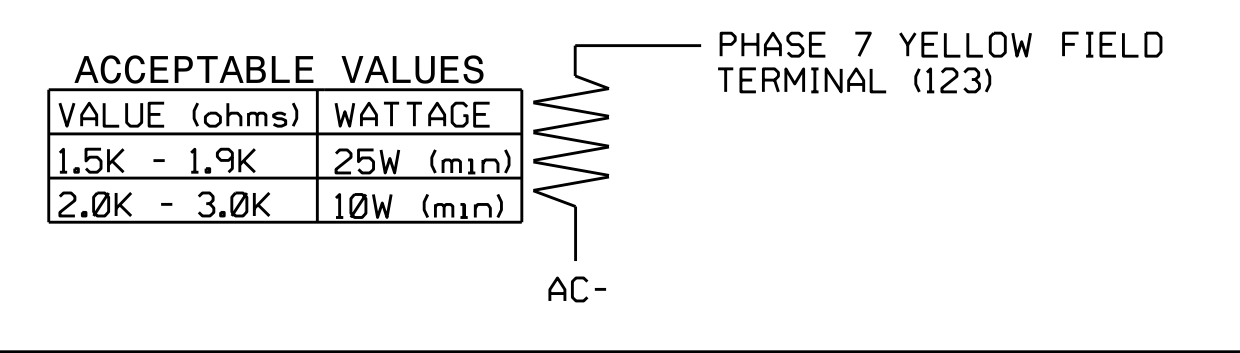
NOTE
 The sequence display for signal head 71 requires special logic programming. See sheet 2 for programming instructions.

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

LOAD RESISTOR INSTALLATION DETAIL

(install resistor as shown below)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0344
 DESIGNED: August 2018
 SEALED: 9/13/2018
 REVISED: 1/11/2022

Electrical Detail - Sheet 1 of 4

Prepared In the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

NC 24 (Sunset Avenue) at Shields Street

Division 3 Sampson County Clinton

PLAN DATE: October 2021 REVIEWED BY: T. Joyce

PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by:
 D. Todd Joyce 01/11/2022

SEAL
 SEAL 031001
 ENGINEER
 TODD JOYCE

SIG. INVENTORY NO. 03-0344

11-11-2021 14:34
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