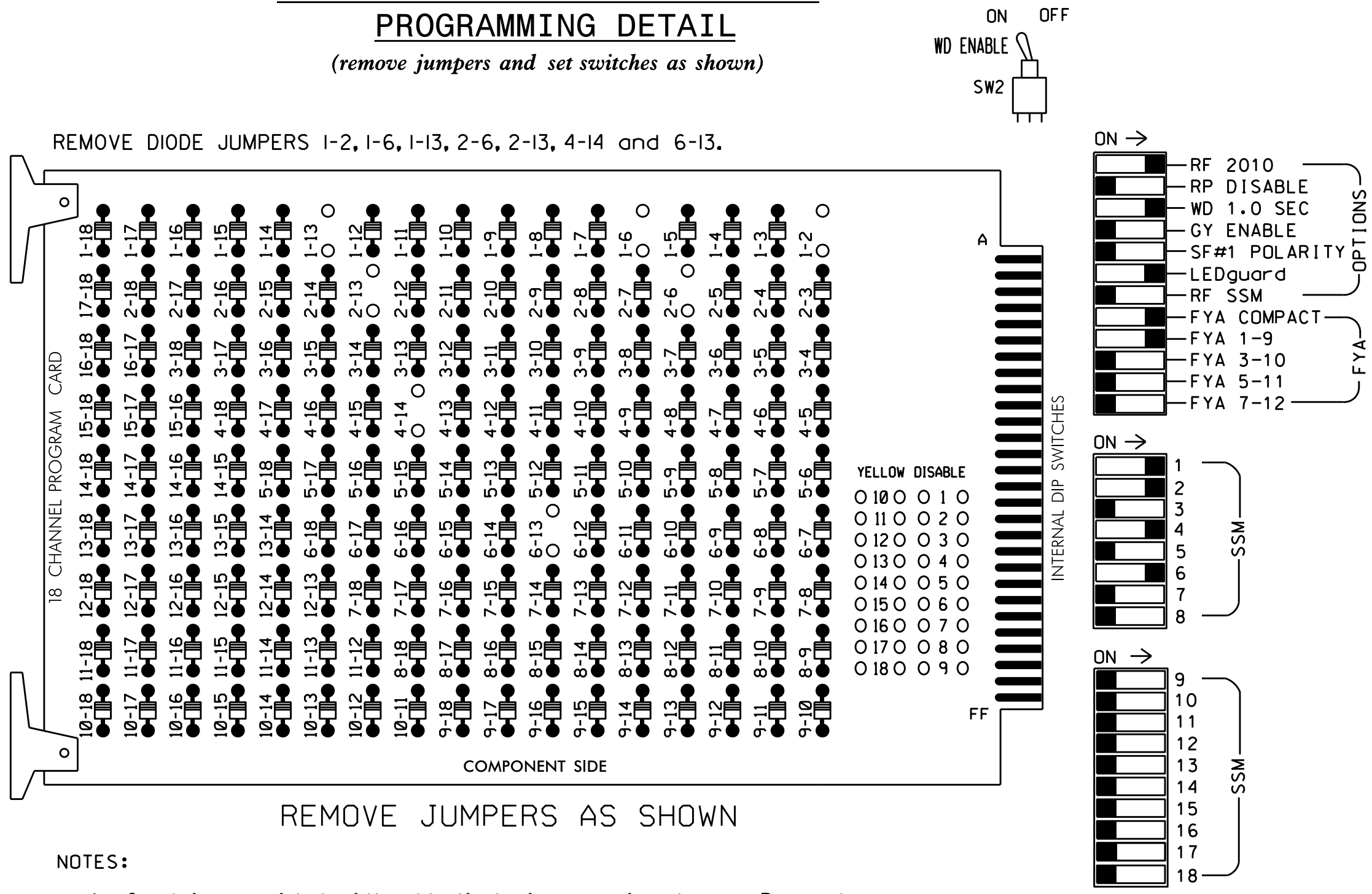


CHANNEL 18 CONFLICT MONITOR PROGRAMMING DETAIL

(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.
- Special cabinet wiring is required to utilize FYA COMPACT mode. See Ped Yellow Conflict Monitor Wiring Detail on this sheet.

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.
- Disable all phases for Startup In Green.
- Disabe all phases for Startup Ped Call.
- Program 2 and 6 as First Phases.
- Disable all phases for Yellow Flash.
- The cabinet and controller are part of the Winston-Salem Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070
CABINET.....332
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S1,S2,S3,S5,S6,S8
PHASES USED.....2,2 PED,4,4 PED,6
OVERLAP "A".....2
OVERLAP "B".....NOT USED
OVERLAP "C".....NOT USED
OVERLAP "D".....NOT USED

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16
PHASE	OLA	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	61	21	22	P21, P22	NU	41,42 43	P41, P42	NU	62	63	NU	NU
RED		128	128			101			134	134		
YELLOW		129	129			102			135	135		
GREEN			130			103			136			
RED ARROW	125											
YELLOW ARROW	126											
FLASHING YELLOW ARROW	127											
GREEN ARROW		130							136			
Hand				113		104						
Ped				115		106						

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.

INPUT FILE POSITION LAYOUT

(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	L	FS	Ø 2	FS	FS	FS	FS	FS	FS	FS	FS	FS	Ø 2 PED	FS	FS
		NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
"J"	L	FS	Ø 6	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
		NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	DC ISOLATOR	DC ISOLATOR	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	TB2-5,6	I2U	39	1	2	2	Y	Y			
6A,6B	TB3-5,6	J2U	40	2	6	6	Y	Y			
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					
P41,P42	TB8-5,6	I12L	69	31	PED 4	4 PED					

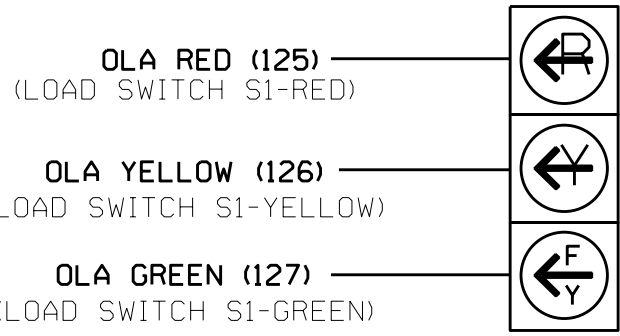
NOTE:
INSTALL DC ISOLATORS
IN INPUT FILE SLOT 112.

INPUT FILE POSITION LEGEND: J2L

FILE J
SLOT 2
LOWER

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



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★ See pictorial of head wiring in detail below.

NOTE: Load Switch S1 require out remapping.

SPECIAL DETECTOR NOTE

For loop 4A,4B and 4C install a non-intrusive detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

ADVANCED WALK NOTE

(program controller as shown below)

From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Program phases 2 and 4 for 'Advanced Walk'. Make sure the Walk Advance Time shown on the Signal Design plans is programmed in the 'Phase Timing' menu.

Electrical Design - Sheet 1 of 2 - Temporary Design 1 (TMP Phase I)

Electrical and Programming Details For:	SR 2741 (Clemmonsville Road)	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
Prepared in the Offices of:	at I-40 EB Ramp and SR 3826 (I-40 EB Frontage Road)	SEAL
Division 9 Forsyth County Winston-Salem	Division 9	SEAL 036833
PLAN DATE: November 2022	REVIEWED BY:	ENGINEER
PREPARED BY: James Peterson	REVIEWED BY:	RYAN W. HOUGH
REVISIONS	INIT.	DATE
750 N. Greenfield Pkwy, Garner, NC 27529		Signed by: Ryan W. Hough 01/13/2025
		DATE
		SIG. INVENTORY NO. 09-0327T1