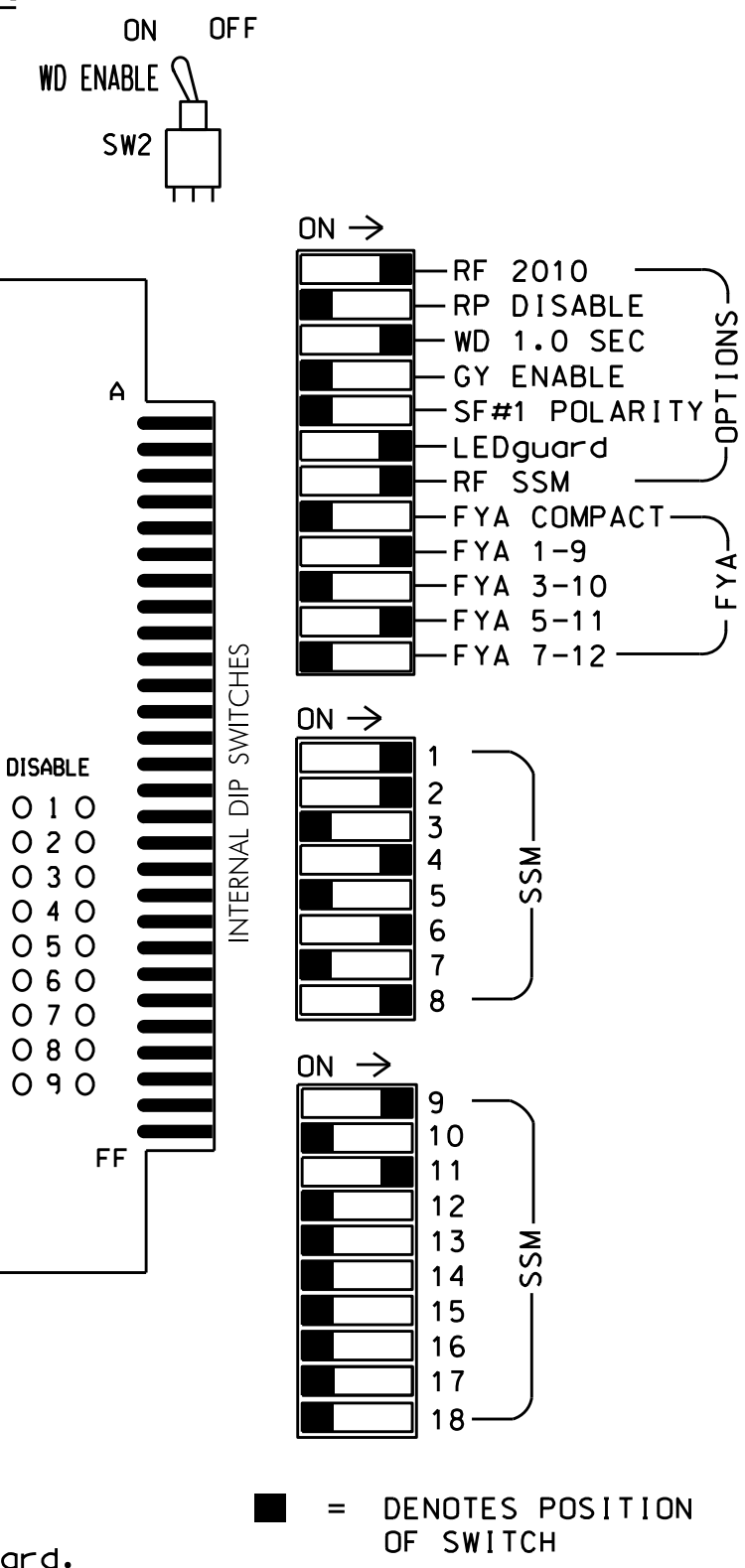
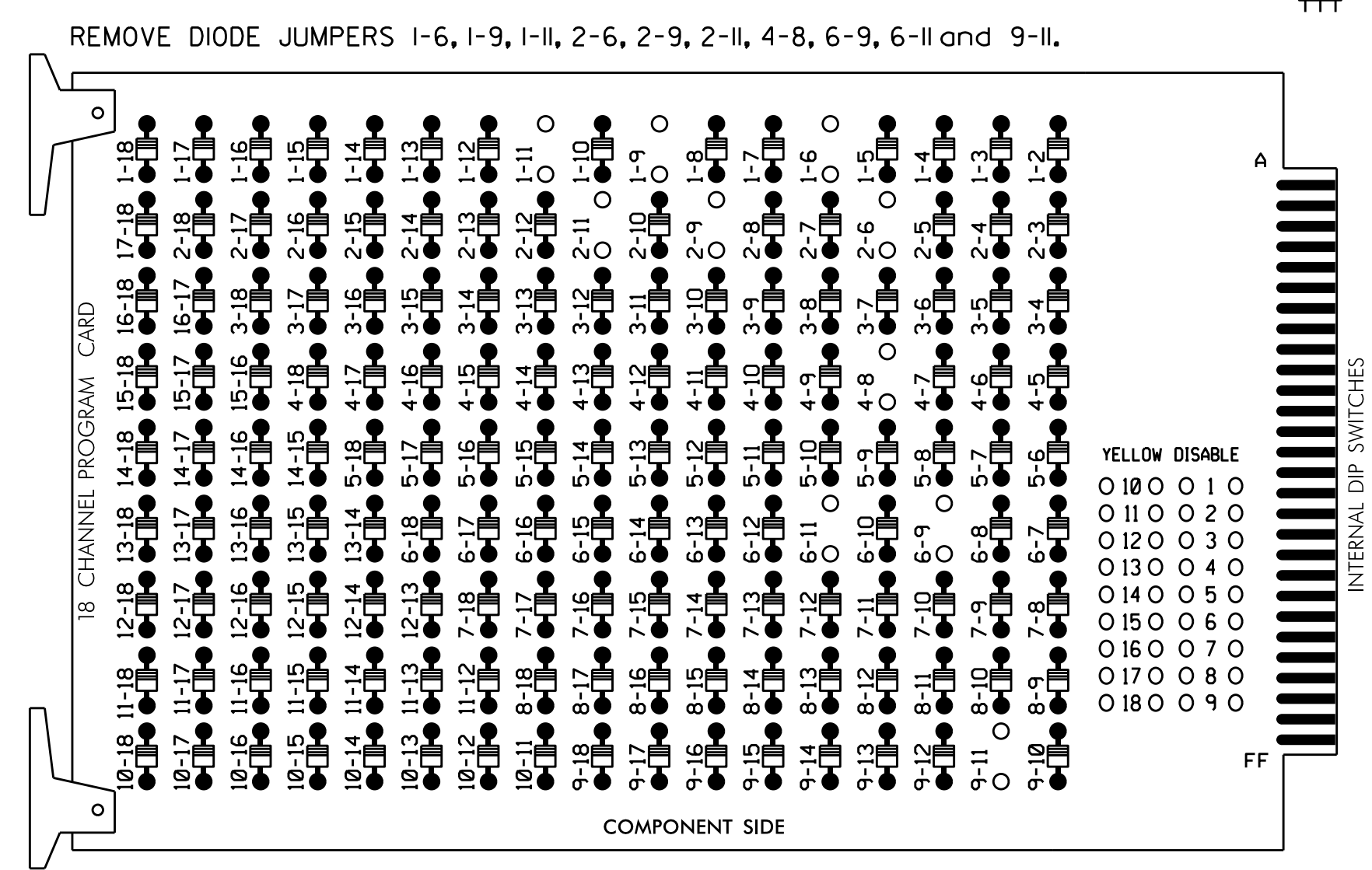


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES:

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

NOTES

1. 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.
2. Program phases 4 and 8 for Dual Entry.
3. Enable Simultaneous Gap-Out for all phases.
4. Program phases 2 and 6 for Variable Initial and Gap Reduction.
5. Program phases 2 and 6 for Start Up In Green.
6. Program phases 2 and 6 for Yellow Flash, and overlap 1 as Wag Overlaps.
7. The cabinet and controller are part of the Wireless System.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
 CABINET.....332 /W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S5,S8,S11,AUX S1,AUX S4
 PHASES USED.....1,2,4,6,8
 OVERLAP "A".....1+2
 OVERLAP "B".....NOT USED
 OVERLAP "C".....6
 OVERLAP "D".....NOT USED

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★	82	22,23	NU	NU	41,42	NU	NU	61,62	NU	NU	81,82	NU	11★	NU	21★	NU	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																

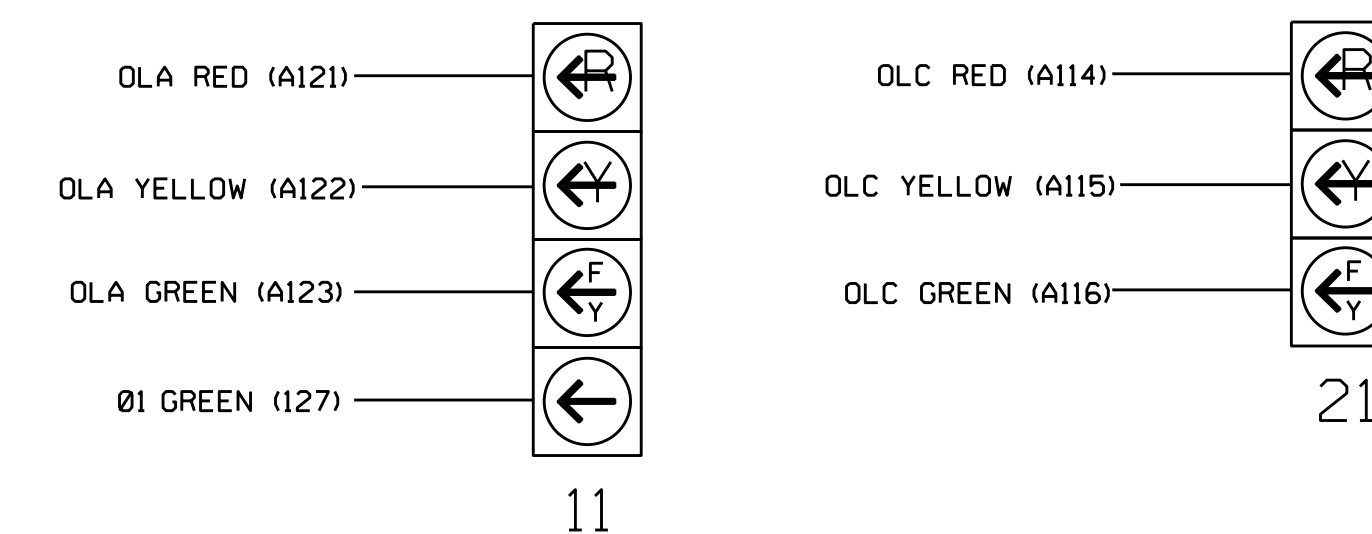
NU = Not Used

* Denotes install load resistor. See load resistor installation detail this sheet.

★ See pictorial of head wiring in detail below.

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



NOTE

1. The sequence display for signal head 11 requires special logic programming. See sheet 2 of 2 for programming instructions.

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅ 2	-O-S	-O-S	-O-S	∅ 4	∅ 4	-O-S	-O-S	-O-S	-O-S	-O-S	-O-S	FS
L	NOT USED	∅ 2	←-V-ZM	←-V-ZM	←-V-ZM	∅ 4	NOT USED	←-V-ZM	←-V-ZM	←-V-ZM	←-V-ZM	←-V-ZM	←-V-ZM	DC ISOLATOR
U	S	∅ 6	-O-S	-O-S	-O-S	∅ 8	-O-S	-O-S	-O-S	-O-S	-O-S	-O-S	-O-S	S
L	←-V-ZM	NOT USED	←-V-ZM	←-V-ZM	←-V-ZM	∅ 1	←-V-ZM	←-V-ZM	←-V-ZM	←-V-ZM	←-V-ZM	←-V-ZM	←-V-ZM	DC ISOLATOR

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

FS = FLASH SENSE
 ST = STOP TIME

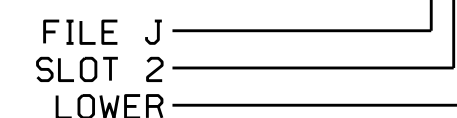
⊗ Wired Input - Do not populate slot with detector card

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 ¹	TB2-1,2	I1U	56	18	1	1	Y	Y	Y		15
	-	J4U	48	10	26	6	Y	Y	Y		3
1B	TB5-11,12	J6L	46	8	18	1	Y	Y	Y		15
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y	Y		3
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			3
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			10
4C	TB6-1,2	I7U	65	27	34	4	Y	Y			15
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			

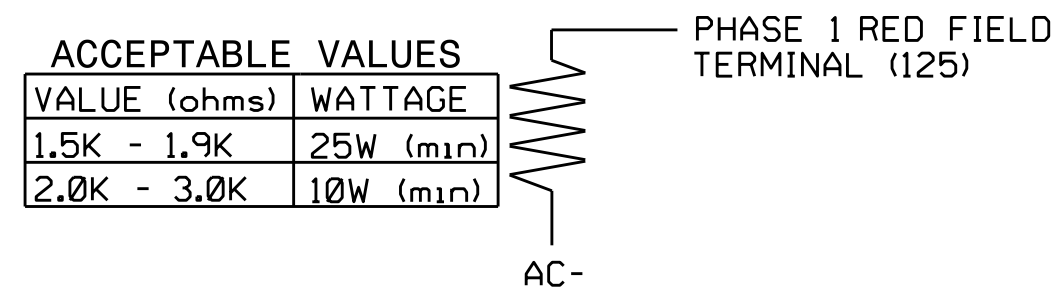
¹Add jumper from I1-W to J4-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL

(install resistor as shown below)



NOTE: The purpose of this resistor is to load the channel red monitor input in order for the Signal Sequence Monitor to use the full signal sequence monitoring capability on channels that do not use the red display in the field.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 14-1288
 DESIGNED: September 2015
 SEALED: 9/29/2015
 REVISED: N/A

Electrical Detail - Sheet 1 of 2

Electrical and Programming Details for: US 64 (Hendersonville Highway) at Davidson River Village Connector / Store Entrance

Prepared in the Offices of: Transylvania Mobility and Safety Solutions, Inc. 750 N. Greenfield Pkwy, Garner, NC 27529

Division 14 Transylvania County near Brevard

PLAN DATE: September 2015 REVIEWED BY: GCB

PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS: INIT. DATE

Seal: GEORGE C. BROWN, PROFESSIONAL ENGINEER, No. 022013, State of North Carolina

Designed by: George C. Brown 9/30/2015

SIG. INVENTORY NO. 14-1288

10-SEP-2015 09:18 S:\PROJECTS\14-1288\SIGNAL\WORK\HGR\docus51g_Maps\TruckLand\14288_sml_e.xxx.dgn