EDI MODEL 2010ECL-NC CONFLICT MONITOR
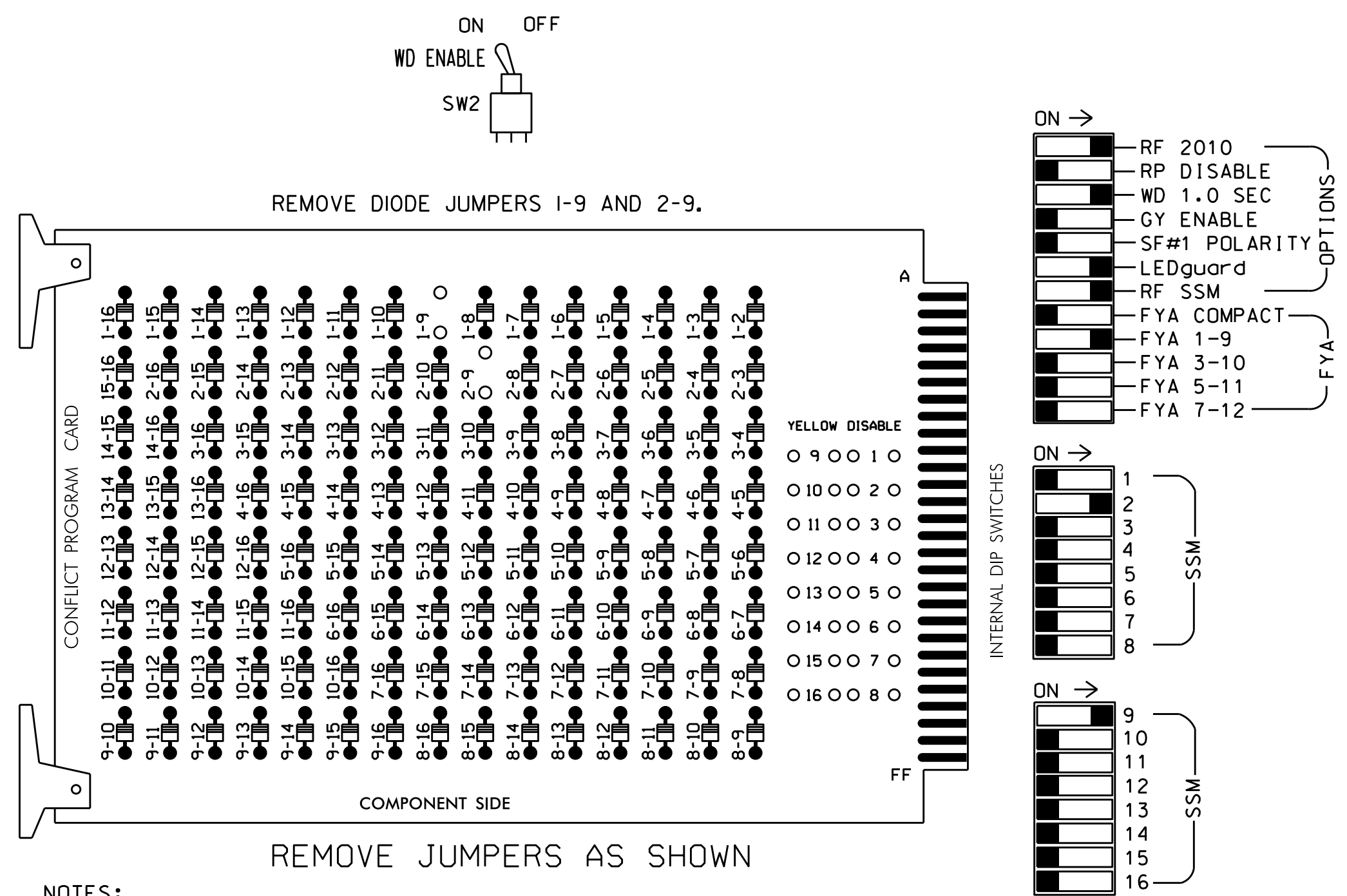### PROGRAMMING DETAIL
(remove jumpers and set switches as shown)

ON   OFF
WD ENABLE
SW2

REMOVE DIODE JUMPERS 1-9 AND 2-9.

CONFLICT PROGRAM CARD

COMPONENT SIDE

REMOVE JUMPERS AS SHOWN

NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.

2. Make sure jumpers SEL2-SEL5 are present on the monitor board.

ON →
- RF 2010
- RP DISABLE
- WD 1.0 SEC
- GY ENABLE
- SF#1 POLARITY
- LEDguard
- RF SSM
- FYA COMPACT
- FYA 1-9
- FYA 3-10
- FYA 5-11
- FYA 7-12

OPTIONS
FYA

YELLOW DISABLE

○ 9 0 0 1 0
○ 10 0 0 2 0
○ 11 0 0 3 0
○ 12 0 0 4 0
○ 13 0 0 5 0
○ 14 0 0 6 0
○ 15 0 0 7 0
○ 16 0 0 8 0

INTERNAL DIP SWITCHES

ON →
1
2
3
4
5
6
7
8
SSM

ON →
9
10
11
12
13
14
15
16
SSM

■ = DENOTES POSITION OF SWITCH

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. Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 1,3,4,5,6,7,8, 10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.

3. Enable Simultaneous Gap-Out for all phases.

4. Program phase 2 for Variable Initial and Gap Reduction.

5. Program phase 2 for Start Up In Green.

6. Program phase 2 for Yellow Flash.

7. The cabinet and controller are part of the Wilmington Signal System.

EQUIPMENT INFORMATION

CONTROLLER.............2070L
CABINET ....332 W/ AUX
SOFTWARE ....ECONOLITE OASIS
CABINET MOUNT.........BASE
OUTPUT FILE POSITIONS..18 (12-STD, 6-AUX)
LOAD SWITCHES USED.....S1,S2,S9
PHASES USED...........1,2
OVERLAP A.............1+2
OVERLAP B.............NOT USED
OVERLAP C.............NOT USED
OVERLAP D.............NOT USED

SIGNAL HEAD HOOK-UP CHART

| LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
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.	★11,12	21,22	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU	★11,12	NU	NU	NU	NU	NU
RED		128																
YELLOW	✱	129																
GREEN		130																
RED ARROW													A121					
YELLOW ARROW													A122					
FLASHING YELLOW ARROW													A123					
GREEN ARROW	127																	

NU = Not Used

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

★ See pictorial of head wiring in detail below.

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

OLA RED (A121)
OLA YELLOW (A122)
OLA GREEN (A123)
01 GREEN (127)
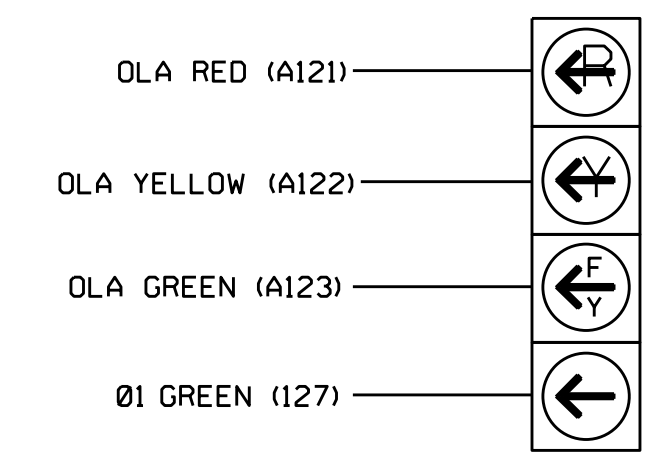
11,12

NOTE: The sequence display for these signals requires special logic programming. See sheet 2 of 3 for programming instructions.

PHASE SEQUENCE PROGRAMMING DETAIL
(program controller as shown below)

FROM OASIS LOCAL CONTROLLER MAIN MENU
SELECT: 4 PHASE SEQUENCE

PHASE SEQUENCE: PAGE 1 NEXT: PAGES) ↘						
RNG¦LEAD	BARRIER 1	X-LAG¦LEAD	BARRIER 2	X-LAG		
1 ¦0	2	0	0 ¦0	1	0	0
2 ¦0	0	0	0 ¦0	0	0	0
3 ¦0	0	0	0 ¦0	0	0	0
4 ¦0	0	0	0 ¦0	0	0	0

NOTE: This phase sequence is utilized to enable sequence page change / TOD events as necessary.

LOAD RESISTOR INSTALLATION DETAIL

ACCEPTABLE VALUES
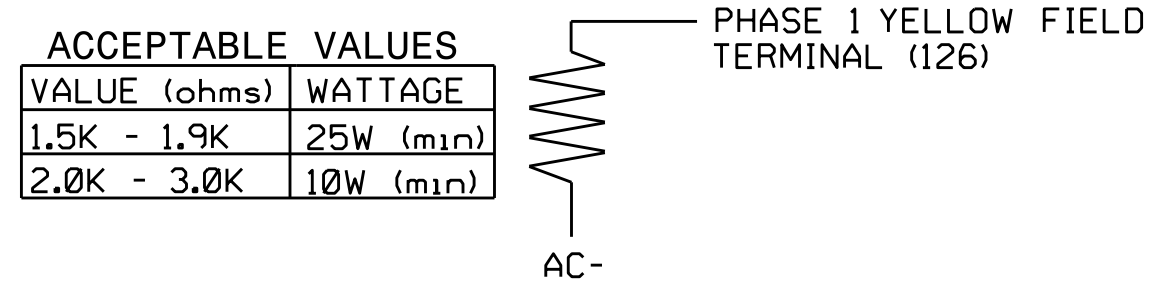
VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)

PHASE 1 YELLOW FIELD TERMINAL (126)

AC-

NOTE: The purpose of this resistor is to load the channel yellow monitor input in order to prevent the Signal Sequence Monitor from detecting any possible 'phantom' (or false) conflict, as this channel has no yellow field display.

▽ THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-1014
DESIGNED: February 2008
SEALED: 5/6/2008
REVISED: 7/22/2015

SEAL
NORTH CAROLINA
SEAL
008453
ENGINEER
JOHN T. ROWE, JR.
John T. Rowe, Jr. 7/23/2015
DATE

Electrical Detail - Sheet 1 of 3

REVISION ▽ SEAL

Not a certified document as to the Original Document but Only as to the Revisions - This document originally issued and sealed by F. Royal Hinshaw, #032117, on 5/6/08. This document is only certified as to the revisions.

SEAL
SIGNATURE   DATE