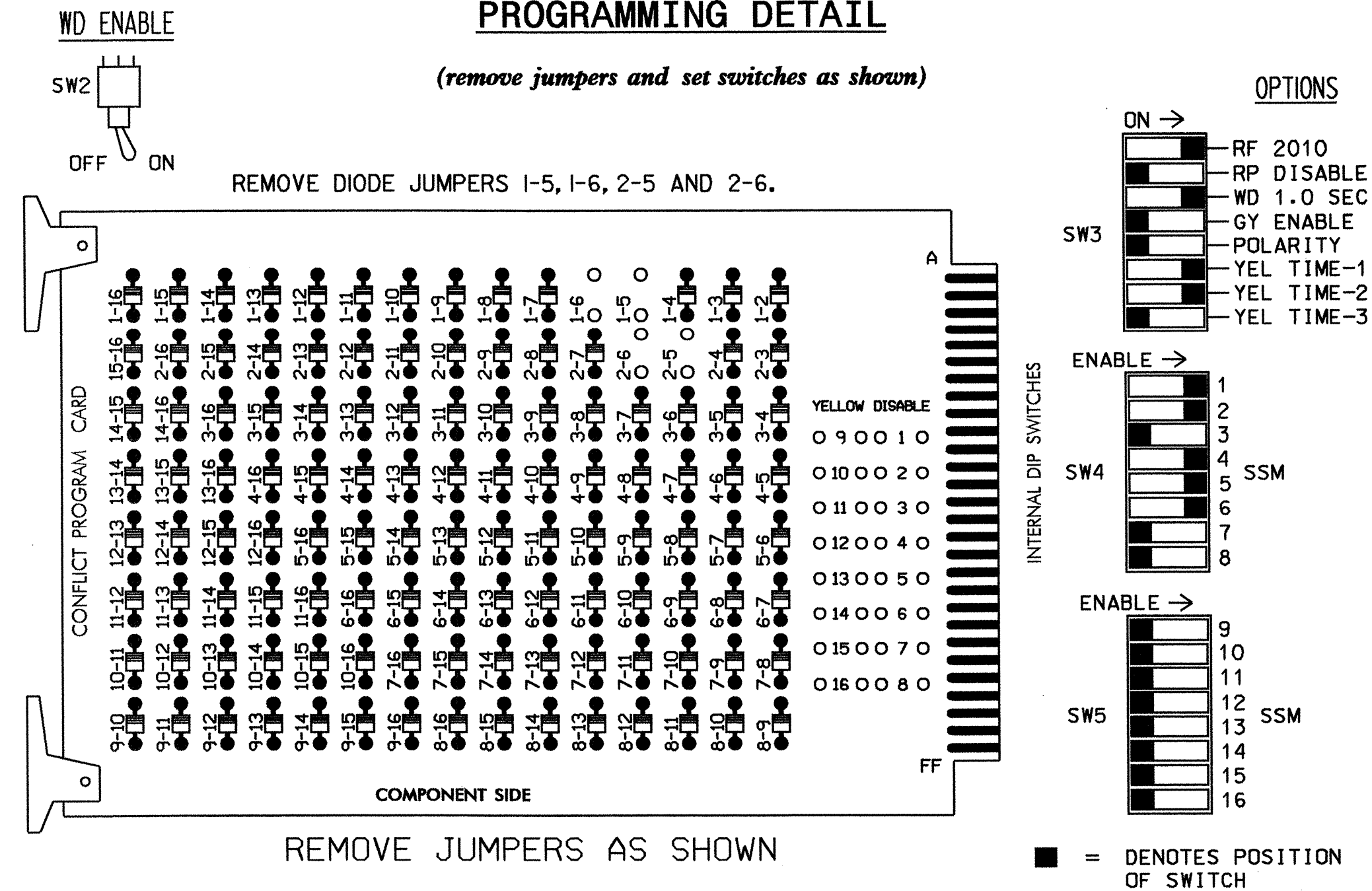


EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL



NOTES:

- CARD IS PROVIDED WITH ALL DIODE JUMPERS IN PLACE. REMOVAL OF ANY JUMPER ALLOWS ITS CHANNELS TO RUN CONCURRENTLY.
- MAKE SURE JUMPERS SEL1-SEL5 ARE PRESENT ON THE MONITOR BOARD.

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.
- 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 3,7,8, 9,10,11,12,13,14,15 & 16 TO LOAD SWITCH AC+ PER THE CABINET MANUFACTURER'S INSTRUCTIONS.
- PROGRAM CONTROLLER TO START UP IN PHASES 2 AND 6 GREEN.
- ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
- PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR DUAL ENTRY.
- PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR VARIABLE INITIAL AND GAP REDUCTION.
- THE CABINET AND CONTROLLER ARE PART OF THE NC 42 CLOSED LOOP SYSTEM.

FIELD CONNECTION HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	61,42	21,22 23	NU	NU	41,42	NU	21	61,62 63	NU	NU	NU	NU
GREEN		130			103			136				
YELLOW		129			102			135				
RED	*	128			101		*	134				
RED ARROW												
YELLOW ARROW	126						132					
GREEN ARROW	127						133					

NU = NOT USED
* DENOTES INSTALL LOAD RESISTOR. SEE LOAD RESISTOR INSTALLATION DETAIL THIS PAGE.

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
CABINETCONTRACTOR SUPPLIED 332
SOFTWAREECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S1,S2,S4,S5,S6
PHASES USED.....1,2,4,5,6
OVERLAPS.....NONE

BACK-UP PROTECTION PROGRAMMING DETAIL

(program controller as shown below)

- FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE DYNAMIC/BACKUP CONTROL FUNCTIONS 1 AND 2.
- FROM PHASE CONTROL FUNCTIONS MENU PRESS '2' (DYNAMIC/BACKUP CONTROL FUNCTIONS).

DYNAMIC/BACKUP CONTROL FUNCTION #01
OVERLAPS: ABCDEFGHIJKLMNPO
IF OVERLAPS ARE ACTIVE :
OR PHASES: 12345678910111213141516
IF PHASES ARE ON : X
OMIT PHASES : X
CALL PHASES : X

PRESS 'NEXT'

DYNAMIC/BACKUP CONTROL FUNCTION #02
OVERLAPS: ABCDEFGHIJKLMNPO
IF OVERLAPS ARE ACTIVE :
OR PHASES: 12345678910111213141516
IF PHASES ARE ON : X
OMIT PHASES : X
CALL PHASES : X

BACKUP PROTECTION PROGRAMMING COMPLETE

INPUT FILE POSITION LAYOUT

(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅ 1	∅ 2-SYS	S	S	∅ 4	S	S	S	S	S	S	S	S	FS
L	1B	1A	2A-SD5	-	-	4A	-	-	-	-	-	-	-	-	DC ISOLATOR
U	NOT USED	∅ 6	∅ 2-SYS	S	S	∅ 4	S	S	S	S	S	S	S	S	ST
L		1A	2B-SD6	-	-	4B	-	-	-	-	-	-	-	-	DC ISOLATOR
U	S	∅ 5	∅ 6-SYS	S	S	S	S	S	S	S	S	S	S	S	S
L		5A	6A-SD7	-	-	-	-	-	-	-	-	-	-	-	-
U	S	∅ 2	∅ 6-SYS	S	S	S	S	S	S	S	S	S	S	S	S
L		5A	6B-SD8	-	-	-	-	-	-	-	-	-	-	-	-

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

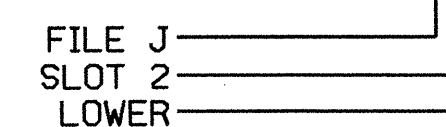
FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

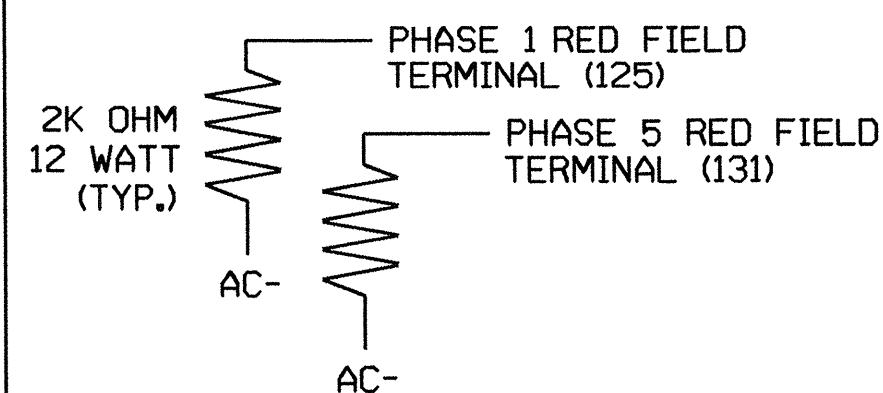
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1B	TB2-1,2	I1U	56	18	1	1	Y	Y	-	---	15
1A	TB2-5,6	I2U	39	1	2	1	Y	Y	-	---	15
	TB2-7,8	I2L	43	5	12	6	Y	Y	Y	---	3
2A-SD5	TB2-9,10	I3U	63	25	32	2-SYS	Y	Y	-	---	--
2B-SD6	TB2-11,12	I3L	76	38	42	2-SYS	Y	Y	-	---	--
4A	TB4-9,10	I6U	41	3	4	4	Y	Y	-	---	--
4B	TB4-11,12	I6L	45	7	14	4	Y	Y	-	---	--
2 5A	TB3-5,6	J2U	40	2	6	5	Y	Y	-	---	15
	TB3-7,8	J2L	44	6	16	2	Y	Y	Y	---	3
6A-SD7	TB3-9,10	J3U	64	26	36	6-SYS	Y	Y	-	---	--
6B-SD8	TB3-11,12	J3L	77	39	46	6-SYS	Y	Y	-	---	--

- ADD JUMPERS FROM TB2-5 TO TB2-7, AND FROM TB2-6 TO TB2-8.
- ADD JUMPERS FROM TB3-5 TO TB3-7, AND FROM TB3-6 TO TB3-8.

INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL



NOTE: THE PURPOSE OF THESE RESISTORS IS TO LOAD THE CHANNEL RED MONITOR INPUTS 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.

New Installation

Electrical and Programming Details For:

NC 42 (Broadway Road) at US 421-NC 87 Northbound Ramps/ Coty Plant Entrance

Division 08 Lee County Sanford

PLAN DATE: June 2004 REVIEWED BY: MR Cooney

PREPARED BY: LWM REVIEWED BY: LM Moon

REVISIONS INIT. DATE

Signature: MR Cooney 6-14-04

Seal: NORTH CAROLINA PROFESSIONAL SEAL 025892 ENGINEER MELISSA R. COONEY

Signature: MR Cooney 6-14-04

SIG. INVENTORY NO. 08-1065

CLOSED LOOP SYSTEM DATA :
CONTROLLER ASSET 1065

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 08-1065
DESIGNED: JUNE 2004
SEALED: 6-14-04
REVISED: