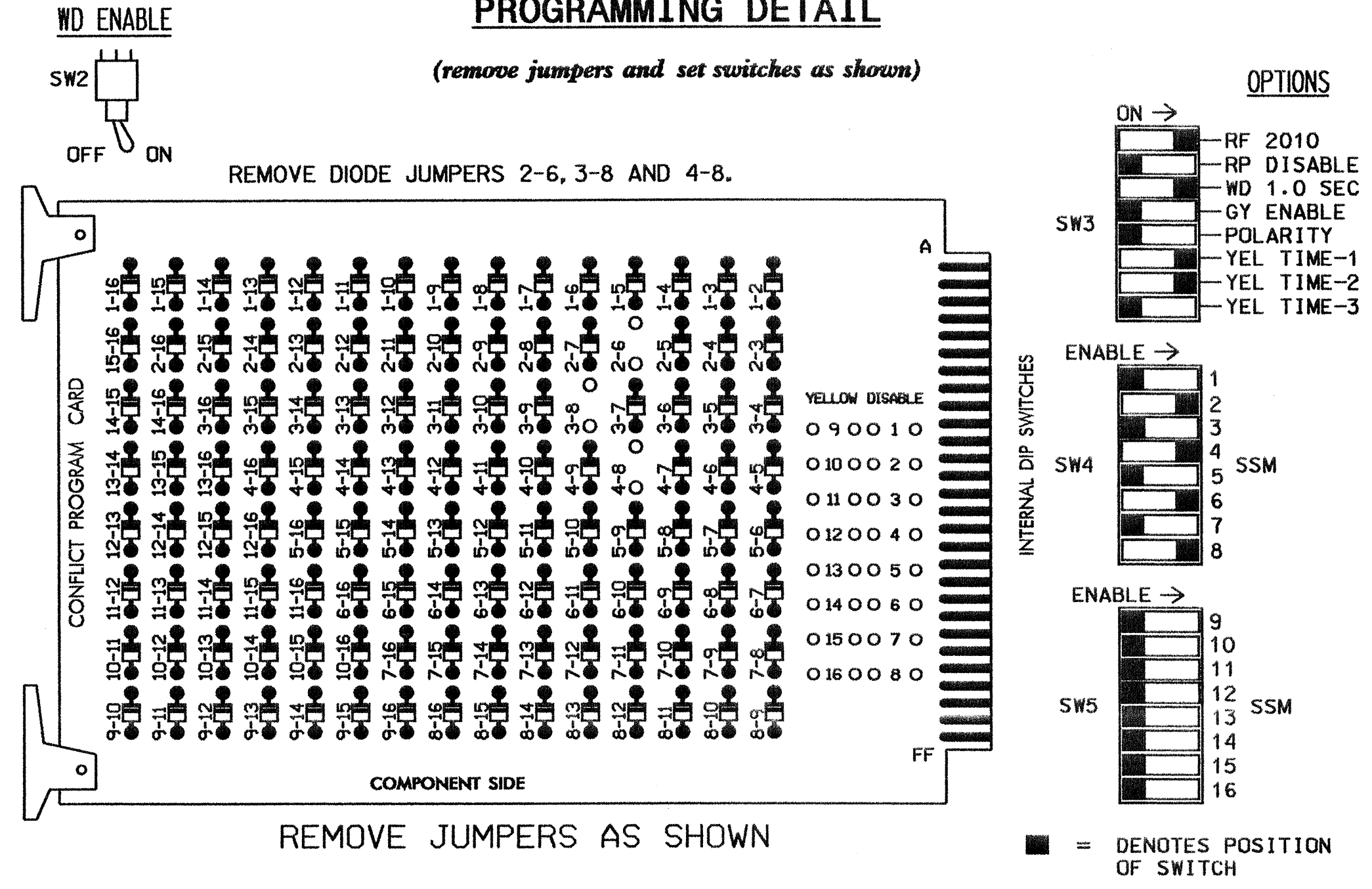


EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL



REMOVE JUMPERS AS SHOWN

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 1,3,5,7,9,10,11,12,13,14,15 & 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 4 AND 8, ON CONTROLLER UNIT, FOR DUAL ENTRY.

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.	NU	21,22	NU	81	41,42	NU	NU	61,62	NU	NU	81,82	NU
GREEN		130			103			136			109	
YELLOW		129			102			135			108	
RED		128			101			134			107	
RED ARROW												
YELLOW ARROW				*								
GREEN ARROW				118								

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

INPUT FILE POSITION LAYOUT

FILE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	FS	FS	FS	FS	FS	FS*	FS	FS	FS	FS	FS	FS	FS	FS
L	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
U	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED*	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
L	PRE-2	PRE-2	PRE-2	PRE-2	PRE-2	PRE-2	PRE-2	PRE-2	PRE-2	PRE-2	PRE-2	PRE-2	PRE-2	PRE-2

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

FS = FLASH SENSE
ST = STOP TIME
PRE 2 = PREEMPTOR 2 (EV)

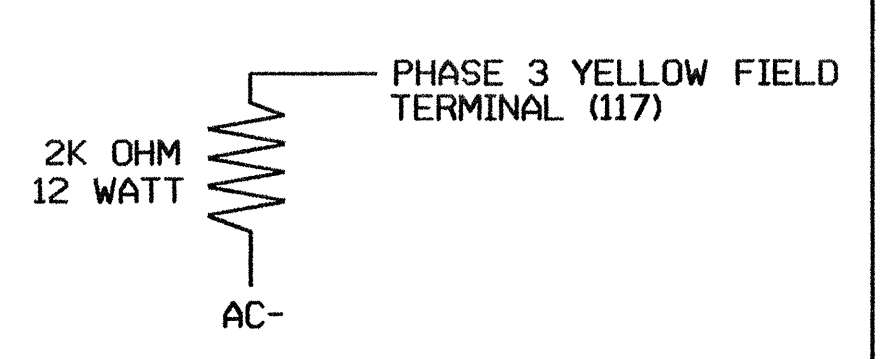
INPUT FILE CONNECTION & PROGRAMMING CHART

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
4A	*	I6U	41	3	4	4	Y	Y			10
8A	*	J6U	42	4	8	8	Y	Y			10

*MICROWAVE DETECTOR. SEE WIRING DETAIL (ACCUWAVE DETECTOR)

INPUT FILE POSITION LEGEND: J2L

LOAD RESISTOR INSTALLATION DETAIL



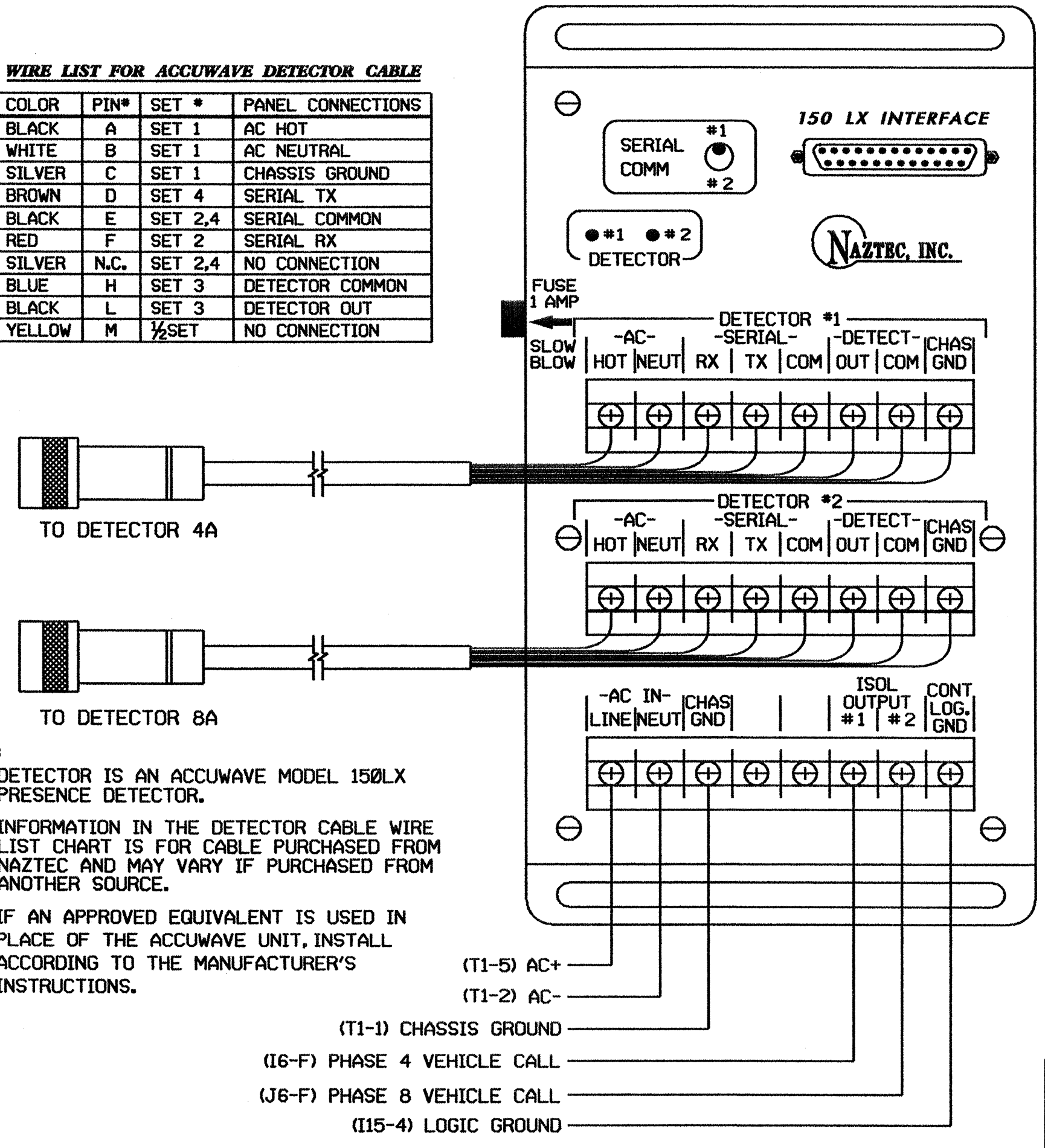
NOTE: THE PURPOSE OF THIS RESISTOR IS TO LOAD THE CHANNEL YELLOW MONITOR INPUT IN ORDER TO PREVENT THE SIGNAL SEQUENCE MONITOR FROM DETECTING ANY POSSIBLE "PHANTOM" (OR FALSE) CONFLICT, AS THIS CHANNEL HAS NO YELLOW FIELD DISPLAY.

ACCUWAVE DETECTOR PANEL WIRING DETAIL

(WIRE AS SHOWN)

WIRE LIST FOR ACCUWAVE DETECTOR CABLE

COLOR	PIN#	SET #	PANEL CONNECTIONS
BLACK	A	SET 1	AC HOT
WHITE	B	SET 1	AC NEUTRAL
SILVER	C	SET 1	CHASSIS GROUND
BROWN	D	SET 4	SERIAL TX
BLACK	E	SET 2,4	SERIAL COMMON
RED	F	SET 2	SERIAL RX
SILVER	N.C.	SET 2,4	NO CONNECTION
BLUE	H	SET 3	DETECTOR COMMON
BLACK	L	SET 3	DETECTOR OUT
YELLOW	M	1/2 SET	NO CONNECTION



NOTES:

- DETECTOR IS AN ACCUWAVE MODEL 150LX PRESENCE DETECTOR.
- INFORMATION IN THE DETECTOR CABLE WIRE LIST CHART IS FOR CABLE PURCHASED FROM NAZTEC AND MAY VARY IF PURCHASED FROM ANOTHER SOURCE.
- IF AN APPROVED EQUIVALENT IS USED IN PLACE OF THE ACCUWAVE UNIT, INSTALL ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

PREEMPT ONLY PHASE OMIT NOTE

(program controller as shown below)

FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). PROGRAM PHASE 3 FOR 'OMIT PHASE' AND PHASES 2, 4, 6 AND 8 FOR 'STARTUP CALLS'. THIS IS TO PREVENT PHASE 3 FROM BEING SERVED WHEN NOT IN PREEMPT.

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L CABINETCONTRACTOR SUPPLIED 332 SOFTWAREECONOLITE OASIS CABINET MOUNT.....BASE OUTPUT FILE POSITIONS...12 LOAD SWITCHES USED.....S2,S3,S4,S6,S8 PHASES USED.....2,*3,4,6,8 OVERLAPS.....NONE

*DENOTED PHASE USED IN PREEMPTION SEQUENCE ONLY.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 02-0312 T
DESIGNED: JULY 2004
SEALED: 08/25/04
REVISED:

SIGNAL DESIGN - TEMPORARY - SHEET 1 OF 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

NC 55 AT NC 306

Prepared in the Office of: **STATE OF NORTH CAROLINA**

DIVISION 02 PAMLICQ COUNTY IN GRANTSBORO

PLAN DATE: **AUGUST 2004** REVIEWED BY: *R. H. Brown*

PREPARED BY: **JAMES PETERSON** REVIEWED BY:

REVISIONS INIT. DATE

Signature: *James C. Brown* DATE

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SIG. INVENTORY NO. 02-0312 T