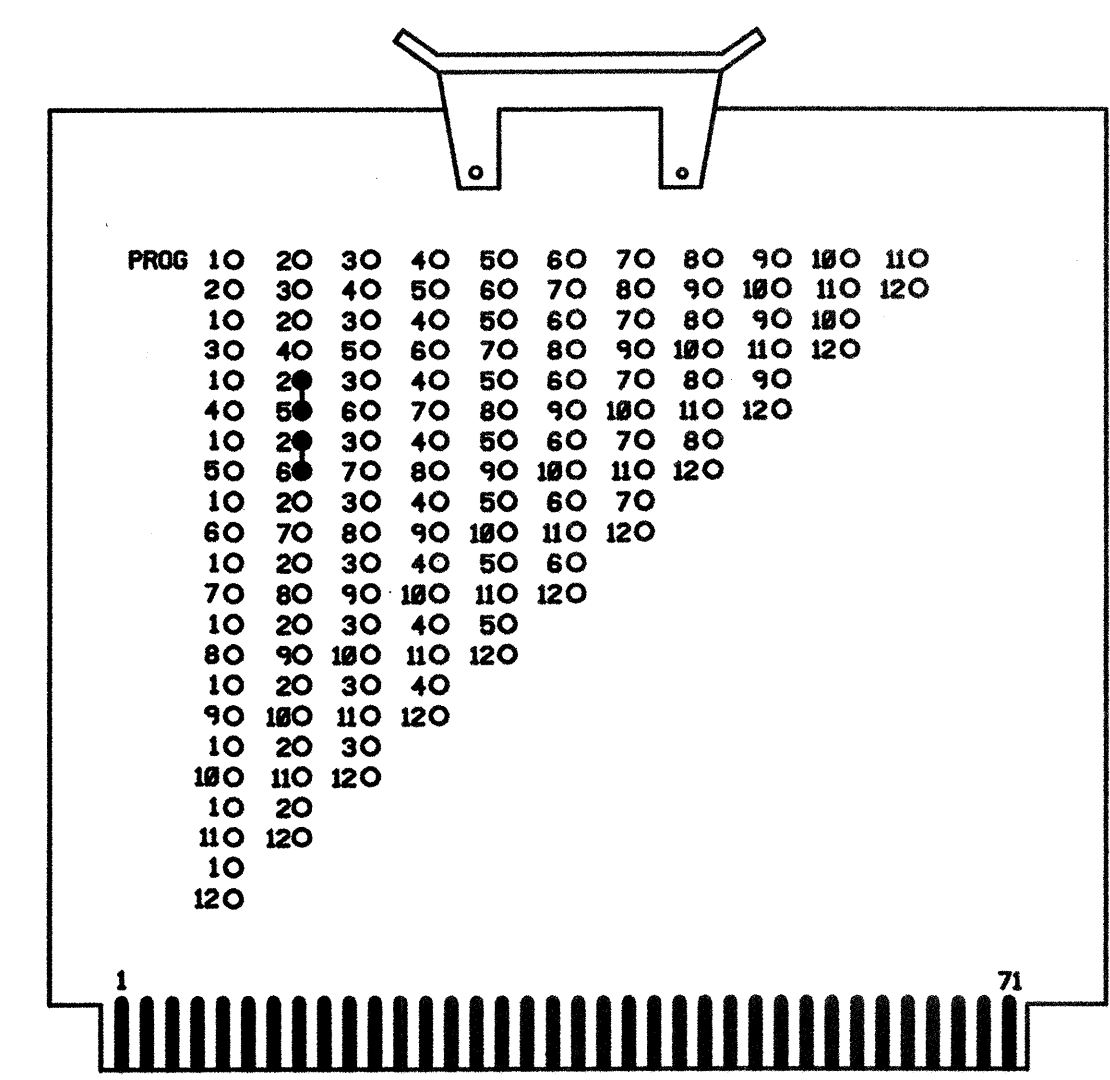


NEMA* CONFLICT MONITOR PROGRAMMING CARD

(install jumpers as shown below)



* NOTE: MONITOR SHALL BE PROGRAMMED FOR FULL SIGNAL SEQUENCE MONITORING. (NEMA+)

NOTES

1. TO PREVENT "FLASH-CONFLICT" PROBLEMS, WIRE ALL UNUSED PHASES AND OVERLAPS TO FLASH RED. VERIFY THAT SIGNAL HEADS FLASH IN ACCORDANCE WITH THE SIGNAL PLANS.
2. TO PREVENT RED FAILURES ON UNUSED MONITOR CHANNELS, TIE UNUSED LOAD SWITCH RED OUTPUTS 1,3,7,8,9,10,11 AND 12 TO LOAD SWITCH AC+ BY INSERTING A JUMPER PLUG IN THE UNUSED LOAD SWITCH SOCKET FROM PIN 1 (LS AC+) TO PIN 3 (RED OUT). MAKE SURE ALL FLASH TRANSFER RELAYS ARE IN PLACE.
3. PROGRAM CONTROLLER TO START UP IN PHASES 2 AND 6 GREEN.
4. SET POWER-UP FLASH TIME TO 10 SECONDS AND IMPLEMENT ON THE CONFLICT MONITOR. SET CONTROLLER POWER-UP FLASH TIME TO 0 SECONDS.
5. ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
6. WIRE DETECTORS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO ACCOMPLISH THE DETECTION SCHEMES SHOWN ON THE SIGNAL DESIGN PLANS.
7. SET ALL DETECTOR UNIT CHANNELS TO "PRESENCE" MODE.
8. PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR VOLUME DENSITY OPERATION.
9. THIS CABINET AND CONTROLLER ARE PART OF THE ROCKY MOUNT SIGNAL SYSTEM. THE 'OPTICOM' DETECTOR UNIT IS EXISTING AND IS USED TO INITIALIZE EMERGENCY VEHICLE PREEMPTION PHASING.
10. SEE SHEET 2 OF 2 FOR EMERGENCY VEHICLE PREEMPTION CONTROLLER PROGRAMMING AND WIRING.

FIELD CONNECTION HOOK-UP CHART

CHANNEL	8	6	4	2	12	11	10	9	8	7	6	5	4	3	2	1
PHASE	8 PED	6 PED	4 PED	2 PED	OLD	OLC	OLB	OLA	8	7	6	5	4	3	2	1
SIGNAL HEAD NO.	NU	NU	NU	NU	51	NU	NU	NU	NU	NU	61,62	51	41,42	NU	21,22	NU
TERMINAL STRIP											TB12	TB12	TB9		TB9	
GREEN												9		3		9
YELLOW												8		2		8
RED												7		1		7
RED ARROW													10			
YELLOW ARROW														11		
GREEN ARROW															12	

NU = NOT USED

EQUIPMENT INFORMATION

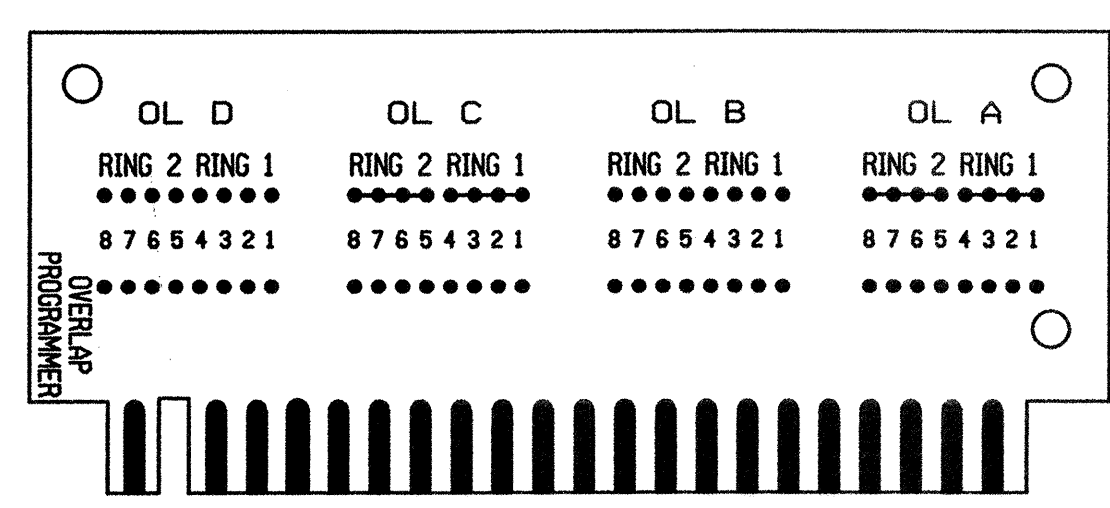
CONTROLLER.....PEEK TRAFFIC 3000
 CABINET.....PEEK TRAFFIC [TS-1] DWG #3603
 CABINET MOUNT.....BASE
 LOADBAY POSITIONS.....16
 LOAD SWITCHES USED.....2,4,5,6
 PHASES USED.....2,4,5,6
 OVERLAP A.....NOT USED
 OVERLAP B.....NOT USED
 OVERLAP C.....NOT USED
 OVERLAP D.....NOT USED

TYPICAL CONNECTION CHART FOR DETECTORS

PIN FUNCTION	LOOP PANEL TERMINATION
AC+	AC+
AC-	AC-
CHASSIS GROUND	CHASSIS GROUND
LOOP INPUT	LOOP
LOOP INPUT	LOOP
RELAY NORMALLY OPEN	VEHICLE CALL INPUT
RELAY COMMON	LOGIC GROUND
TIMER INHIBIT	ASSOCIATED PHASE GREEN

NOTE: THE TIMER INHIBIT WIRE SHALL BE CONNECTED TO THE ASSOCIATED PHASE GREEN LOAD SWITCH OUTPUT WHEN ONLY DELAY OPERATION IS REQUIRED UNLESS OTHERWISE SPECIFIED BY THE LOOP AND DETECTOR UNIT INSTALLATION CHART.

NEMA OVERLAP CARD



OVERLAP CARD SHALL BE COMPLETELY BLANK (NO OVERLAPS)

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0107
 DESIGNED: 02-05
 SEALED: 04-12-05
 REVISED:

Signal Upgrade - Temporary (Sheet 1 of 2)

	US 301 Business (Centura Hwy) at SR 1542 (Airport Rd)/SR 1555		
	Division 04 Nash County Rocky Mount		
	PLAN DATE: February 2005 REVIEWED BY: S.T. Franklin		
	PREPARED BY: T.R. Terrell REVIEWED BY: H.L. Winstead		
REVISIONS _____ INIT. _____ DATE _____	_____ INIT. _____ DATE _____		
122 N. McDowell St., Raleigh, NC 27603			

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 H.L. WINSTEAD, JR.
 LICENSE NO. 07983
 DATE: 4/26/05
 SIG. INVENTORY NO. 04-0107(L)