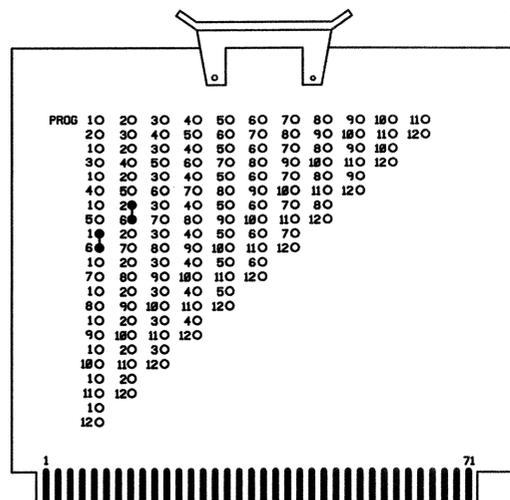


NEMA* CONFLICT MONITOR PROGRAMMING CARD

(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 3,4,5,7,9,10,11 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. THIS CABINET AND CONTROLLER ARE PART OF THE ROCKY MOUNT SIGNAL SYSTEM.

FIELD CONNECTION HOOK-UP CHART

PHASE	1	2	3	4	5	6	7	8	OLA	OLB	OLC	OLD	2 PED	4 PED	6 PED	8 PED
SIGNAL HEAD NO.	61	82	21,22	NU	NU	NU	61,62	NU	81,82	NU	NU	NU	NU	NU	NU	NU
GREEN			506			518		524								
YELLOW			505			517		523								
RED	*		504			516		522								
RED ARROW																
YELLOW ARROW	502	502														
GREEN ARROW	503	503														

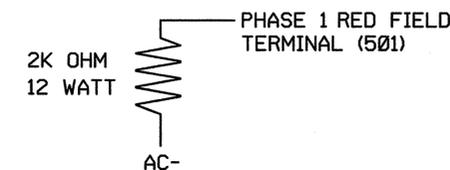
NU = NOT USED

* DENOTES INSTALL LOAD RESISTOR. SEE LOAD RESISTOR INSTALLATION DETAIL THIS PAGE.

EQUIPMENT INFORMATION

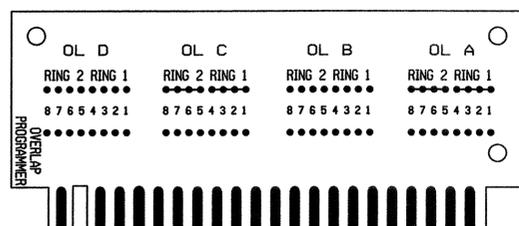
CONTROLLER.....PEEK TRAFFIC 3000
 CABINET.....PEEK TRAFFIC [TS-1] DWG #8500-9837
 CABINET MOUNT.....BASE
 LOADBAY POSITIONS.....16
 LOAD SWITCHES USED.....1,2,6,8
 PHASES USED.....1,2,6,8
 OVERLAP A.....NOT USED
 OVERLAP B.....NOT USED
 OVERLAP C.....NOT USED
 OVERLAP D.....NOT USED

LOAD RESISTOR INSTALLATION DETAIL



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 PHASES THAT DO NOT USE THE RED DISPLAY IN THE FIELD.

NEMA OVERLAP CARD



OVERLAP CARD SHALL BE COMPLETELY BLANK (NO OVERLAPS)

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.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0623
 DESIGNED: 02-05
 SEALED: 04-12-05
 REVISED:

HNTB HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609

Signal Upgrade - Final

	ELECTRICAL AND PROGRAMMING DETAILS FOR: SR 1278 (Leggett Hwy)/NC 97 at NC 97 (Atlantic Ave)	SEAL
	Division 04 Edgecombe County Rocky Mount PLAN DATE: February 2005 REVIEWED BY: S.T. Franklin PREPARED BY: T.R. Terrell REVIEWED BY: H.L. Winstead	
122 N. McDowell St., Raleigh, NC 27603	REVISIONS INIT. DATE H.L. Winstead 4/26/05 SIGNATURE DATE	SIG. INVENTORY NO. 04-0623