

**PEEK TRAFFIC 3000 SERIES CONTROLLER EMERGENCY VEHICLE
PREEMPTION PROGRAMMING DETAIL (EVP 2 - RUN 4)**

(PROGRAM CONTROLLER AS SHOWN BELOW)

STEP 1

NOTE: COMPLETE THE PREEMPT 1 PROGRAMMING ON PAGE 2 BEFORE PROCEEDING WITH THE PROGRAMMING FOR PREEMPT 2.

ENTRY

1. CONTROLLER	4. PREEMPTION
2. COORDINATION	5. SPECIAL
3. TIME OF DAY	6. UTILITIES

TO VIEW OR ENTER PREEMPTION RUN
ENTER 1-6: 4

TO ERASE ONE PREEMPTION RUN
ENTER 1-6: .

TO ERASE ALL PREEMPTION RUNS
ENTER 99: ..

PREEMPTION RUN 4 MENU

- PER RUN DATA
- INTERVAL DATA
- FLASH PLAN FOR RUN 4

WHEN CHANGING RUN DATA, DISABLE RUN UNDER PER RUN DATA

PER RUN 4 MENU

1. RUN ENABLE,RR, MAX INTVS,LOCK, PRIORITY	3. MIN ENTRY TIMES, INH DOUBLE CLR O/L
2. TIME BEFORE PE, RUN RESERVICE, RUN DURATION	4. VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
5. EXIT CONTROLS	

RUN 4 ENABLE,RR,LOCK,PRIORITY VALUE(YES/NO)

RUN ENABLE: Y ⊕	RAILROAD: N	GO TO HIGHER PE: N	USER PRIORITY: 1
PE INPUT LOCK: Y	NEMA PRIORITY: Y		
MAX INTERVALS: 4	VALUE(0-32)		

⊕ DENOTES RUN ENABLE MUST BE SET TO "N" BEFORE PREEMPT DATA CAN BE ENTERED.

STEP 2

PER RUN 4 MENU

1. RUN ENABLE,RR, MAX INTVS,LOCK, PRIORITY	3. MIN ENTRY TIMES, INH DOUBLE CLR O/L
2. TIME BEFORE PE, RUN RESERVICE, RUN DURATION	4. VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
5. EXIT CONTROLS	

RUN 4 DURATION, RESERVICE, PE DELAY

DURATION	PREEMPT DELAY	RESERVICE
0	0	0
(0-255 SECS)	(0-255 SECS)	(0-255 SECS)

DURATION TIMER USED AS GAP TIMER: N

STEP 3

PER RUN 4 MENU

1. RUN ENABLE,RR, MAX INTVS,LOCK, PRIORITY	3. MIN ENTRY TIMES, INH DOUBLE CLR O/L
2. TIME BEFORE PE, RUN RESERVICE, RUN DURATION	4. VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
5. EXIT CONTROLS	

RUN 4 MINIMUM ENTRY TIMES INHIBIT DOUBLE CLR O/L ENTERING PE: N

GREEN	YELLOW	RED	PEL CLR	O/L YEL
0.0	0.0	0.0	0	0
(0-----25.5 SECS)	(0-255 SECS)	(0-255 SECS)		

**

** NOTE: PROGRAM THE MIN. GREEN AND CLEARANCE INTERVALS TO BE ZERO SECONDS; THIS WILL FORCE THE CONTROLLER TO SATISFY MIN GREEN AND CLEARANCE INTERVAL TIMINGS OF THE ACTIVE PHASE.

STEP 4

PER RUN 4 MENU

1. RUN ENABLE,RR, MAX INTVS,LOCK, PRIORITY	3. MIN ENTRY TIMES, INH DOUBLE CLR O/L
2. TIME BEFORE PE, RUN RESERVICE, RUN DURATION	4. VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
5. EXIT CONTROLS	

RUN 4 PER INTERVAL DATA VALUE(YES/NO)

PGDN FOR MORE	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
FUN/INTV	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
VALID	X	X	X	X												
DWELL	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
FIXED	X	X	X	X												
TENTH	X	X	X	X												

SHIFT - RT->TO SEE-ENTER INTERVALS 17-32

RUN 4 PER INTERVAL DATA VALUE(YES/NO)

PGDN FOR MORE	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
FUN/INTV	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
EXIT	X	X	X	X												
PC->YEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

SHIFT - RT->TO SEE-ENTER INTERVALS 17-32

STEP 5

PER RUN 4 MENU

1. RUN ENABLE,RR, MAX INTVS,LOCK, PRIORITY	3. MIN ENTRY TIMES, INH DOUBLE CLR O/L
2. TIME BEFORE PE, RUN RESERVICE, RUN DURATION	4. VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
5. EXIT CONTROLS	

RUN 4 EXIT CONTROLS

EXIT MODE: 0 0 = GO TO EXIT PHASES
1 = GO TO NEXT DEMAND
2 = RESUME INTERRUPTED SEQ.

VALUE(YES/NO)	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
FUN/PH	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
PHASES	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
CALLS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

**STEP 6
INTERVAL 1**

PREEMPTION RUN 4 MENU

- PER RUN DATA
- INTERVAL DATA
- FLASH PLAN FOR RUN 4

WHEN CHANGING RUN DATA, DISABLE RUN UNDER PER RUN DATA

RUN 4 INTERVAL 1 VALID: X DWELL: X

TENTHS: X PC->YEL: . EXIT: X FIXED: X

TIME: 5.0 PH FLASH: 0 PED FLASH: 0

VALUE(0 = R/D, 1 = Y/P, 2 = G/W)

PGDN FOR OVERLAPS	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
FUN/PH	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
COLOR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PED COL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

PROGRAMMING CONTINUED AT TOP RIGHT

**STEP 7
INTERVAL 2**

RUN 4 INTERVAL 2 VALID: X DWELL: X

TENTHS: X PC->YEL: . EXIT: X FIXED: X

TIME: 5.0 PH FLASH: 0 PED FLASH: 0

VALUE(0 = R/D, 1 = Y/P, 2 = G/W)

PGDN FOR OVERLAPS	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
FUN/PH	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
COLOR	.	G	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PED COL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

**STEP 8
INTERVAL 3**

RUN 4 INTERVAL 3 VALID: X DWELL: X

TENTHS: X PC->YEL: . EXIT: X FIXED: X

TIME: 4.7 PH FLASH: 0 PED FLASH: 0

VALUE(0 = R/D, 1 = Y/P, 2 = G/W)

PGDN FOR OVERLAPS	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
FUN/PH	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
COLOR	.	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PED COL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

**STEP 9
INTERVAL 4**

RUN 4 INTERVAL 4 VALID: X DWELL: X

TENTHS: X PC->YEL: . EXIT: X FIXED: X

TIME: 1.5 PH FLASH: 0 PED FLASH: 0

VALUE(0 = R/D, 1 = Y/P, 2 = G/W)

PGDN FOR OVERLAPS	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
FUN/PH	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
COLOR	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PED COL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

PGDN FOR OVERLAPS

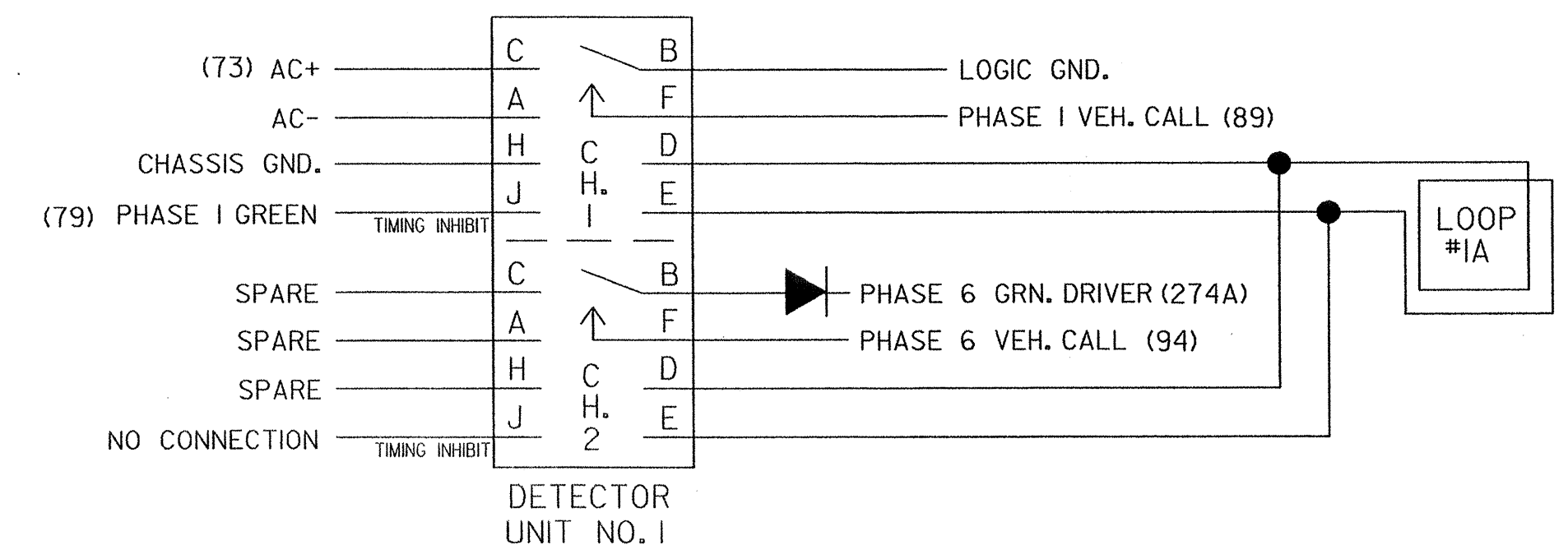
PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

NOTE :
THERE IS NO PROGRAMMING REQUIRED FOR OVERLAPS OR 'PE OUTS' FOR ANY INTERVAL

END OF PROGRAMMING

SPECIAL DETECTOR WIRING DETAIL
(WIRE AS SHOWN)



NOTES:
1. TERMINAL DESIGNATIONS SHOWN ARE LOCATED ON THE LOOP PANEL ASSEMBLY EXCEPT FOR PHASE 6 GREEN DRIVER WHICH IS LOCATED ON THE BACK PANEL.
2. DIODE IS VALUED AT 600V PIV, 1 AMP MINIMUM. (RECOMMENDED PART NO.1N4005)

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0685T
DESIGNED: AUGUST 2004
SEALED: AUG 16, 2004
REVISED: TBD

SEPI ENGINEERING GROUP

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ELECTRICAL AND PROGRAMMING DETAILS FOR:

US 64 BUS (RALEIGH ST.) AT SR 1232 (MEADOWBROOK RD.)

DIVISION 04 EDGECOMBE COUNTY ROCKY MOUNT

PLAN DATE: AUGUST 2004 REVIEWED BY: J O DEATON

PREPARED BY: M W YALCH REVIEWED BY:

REVISIONS INIT. DATE

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER JAMES O. DEATON SEAL 07438

122 N. McDowell St., Raleigh, NC 27603

7/25/04

SIG. INVENTORY NO. 04-0685T