

PEEK TRAFFIC 3000 SERIES CONTROLLER - EMERGENCY VEHICLE PREEMPTION PROGRAMMING

(program controller as shown below)

ENTRY

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

TO VIEW OR ENTER PREEMPTION RUN
ENTER 1-6: 3

TO ERASE ONE PREEMPTION RUN
ENTER 1-6: .

TO ERASE ALL PREEMPTION RUNS
ENTER 99: ..

PREEMPTION RUN 3 MENU

1. PER RUN DATA
2. INTERVAL DATA
3. FLASH PLAN FOR RUN 3 WHEN CHANGING RUN DATA, DISABLE RUN UNDER PER RUN DATA

PER RUN 3 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 3 ENABLE,RR,LOCK,PRIORITY VALUE(YES/NO)

RUN ENABLE: Y*	RAILROAD: N	PE INPUT LOCK: Y	MAX INTERVALS: 3	VALUE(0-32)
OVERVERRIDE FLASH: N	GO TO HIGHER PE: N	NEMA PRIORITY: Y	USER PRIORITY: 1	VALUE(1-6)

PER RUN 3 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 3 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

continued at top right

cont'd. from bottom left

PER RUN 3 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 3 MINIMUM ENTRY TIMES
INHIBIT DOUBLE CLR O/L ENTERING PE: N

GREEN	YELLOW	RED	PED CLR	O/L YEL
1.0	4.5	3.8	0	0.0
(0-255 SECS)	(0-255 SECS)	(0-255 SECS)		

PER RUN 3 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 3 PER INTERVAL DATA VALUE(YES/NO)

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

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

RUN 3 PER INTERVAL DATA VALUE(YES/NO)

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

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

cont'd. from bottom left

PER RUN 3 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 3 EXIT CONTROLS

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

VALUE(YES/NO)

FUNC/PH	1	2	3	4	5	6	7	8	9	0
PHASES	X									
CALLS	X									

PER RUN 4 MENU

1. PER RUN DATA
2. INTERVAL DATA
3. 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	PE INPUT LOCK: Y	MAX INTERVALS: 3	VALUE(0-32)
OVERVERRIDE FLASH: N	GO TO HIGHER PE: N	NEMA PRIORITY: Y	USER PRIORITY: 1	VALUE(1-6)

PER RUN 4 MENU

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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

continued at top right

cont'd. from bottom left

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

1. PER RUN DATA
2. INTERVAL DATA
3. 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
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RUN 4 PER INTERVAL DATA VALUE(YES/NO)

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

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

RUN 4 PER INTERVAL DATA VALUE(YES/NO)

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

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

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PER RUN 4 MENU

1. RUN ENABLE,RR, MAX INTVS,LOCK, PRIORITY	3. MIN ENTRY TIMES, INH DOUBLE CLR O/L
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RUN 4 MINIMUM ENTRY TIMES
INHIBIT DOUBLE CLR O/L ENTERING PE: N

GREEN	YELLOW	RED	PED CLR	O/L YEL
1.0	4.5	3.8	0	0.0
(0-255 SECS)	(0-255 SECS)	(0-255 SECS)		

PER RUN 4 MENU

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RUN 4 PER INTERVAL DATA VALUE(YES/NO)

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

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

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RUN 4 EXIT CONTROLS

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

VALUE(YES/NO)

FUNC/PH	1	2	3	4	5	6	7	8	9	0
PHASES	X									
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PER RUN 4 MENU

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VALID	X	X	X							
DWELL	X									
FIXED	X	X								
TENTH	X	X								

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

RUN 4 PER INTERVAL DATA VALUE(YES/NO)

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

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

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

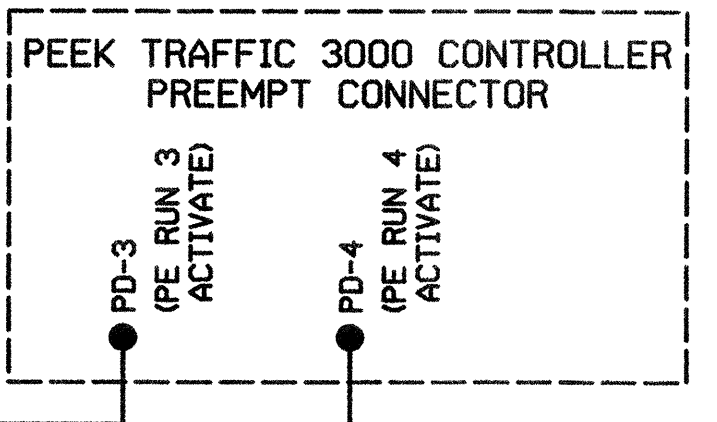
* DENOTES RUN ENABLE MUST BE SET TO "N" BEFORE PREEMPT DATA CAN BE ENTERED.

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

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EMERGENCY VEHICLE PREEMPTION WIRING DETAIL
(WIRE AS SHOWN)

PD = PREEMPT CONNECTOR OF CLOSED LOOP 'D' MODULE



EV PRE 1 OUTPUT FROM 'OPTICOM' UNIT*

EV PRE 2 OUTPUT FROM 'OPTICOM' UNIT*

* 'OPTICOM' DETECTOR UNIT EXISTING

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0107
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 - Temporary (Sheet 2 of 2)

ELECTRICAL AND PROGRAMMING DETAILS FOR:

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

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
HARVEY L. WINSTEAD, JR.
07983

4/26/05

SIG. INVENTORY NO. 04-0107(t)