

OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

1. From Main Menu select 4-UNIT DATA
2. From UNIT DATA Submenu select 3-OVERLAP DATA

Use Up/Dn/Left/Right keys to position cursor on the desired Overlap.
Use the NEXT key to select the overlap type. Press the ENT key and then program as per the Overlap screen(s) shown.

OVERLAP DATA

A: FYA

E: ---

I: ---

M: ---

B: ---

F: ---

J: ---

N: ---

C: ---

G: STD

K: ---

O: ---

D: STD

H: ---

L: ---

P: ---

PREV/NEXT TO CYCLE

OVERLAP A

Use Up/Dn/Left/Right keys to position cursor on Overlap 'A', use the NEXT key to select 'FYA', then press ENT

FYA OVERLAP - A

MIN PERM: 1

PHASES: 12345678 90123456

PROT PHASES: 00010000 00000000

PERM PHASES: 00000100 00000000

-PED PHASES: 00000000 00000000

OVERLAPS: ABCDEFGH IJKLMNOP

PROT O-LAPS: x0000000 00000000

PERM O-LAPS: x0000000 00000000

NOTICE FYA DELAY/10 = 0

Press ESC

OVERLAP D

Use Up/Dn/Left/Right keys to position cursor on Overlap 'D', use the NEXT key to select 'STD', then press ENT

OVERLAP - D

12345678 90123456

PARENTS: 00010000 00000000

+GRN PHASES: 00000000 00000000

-G/Y PHASES: 00000000 00000000

-PED PHASES: 00000000 00000000

TRAIL GREEN STANDARD: 0 YEL/10: 40

TRAIL GREEN PREEMPT: 0 RED/10: 20

Press ESC

OVERLAP G

Use Up/Dn/Left/Right keys to position cursor on Overlap 'G', use the NEXT key to select 'STD', then press ENT

OVERLAP - G

12345678 90123456

PARENTS: 00010000 00000000

+GRN PHASES: 00000000 00000000

-G/Y PHASES: 00000000 00000000

-PED PHASES: 00000000 00000000

TRAIL GREEN STANDARD: 0 YEL/10: 40

TRAIL GREEN PREEMPT: 0 RED/10: 20

OVERLAP PROGRAMMING COMPLETE

LOAD SWITCH MAPPING DETAIL

(program controller as shown below)

1. From Main Menu select 4-UNIT DATA
2. From UNIT DATA Submenu select 9-OUTPUT MAPPING

Use arrow keys to place curson on 'LDSW 1'
then NEXT key to select 'OLG'

OUTPUT MAPPING

EDIT MODE: LDSW

E-TOGGLE MODE

LDSW 1 2 3 4 5 6

RED OLG PH2 PD2 PH3 PH4 PD4

YEL - - - - -

GRN - - - - -

FIO 1 2 3 4 5 6

PREV/NEXT TO CYCLE

D-DISPLAY COMPAT

LOAD SWITCH MAPPING COMPLETE

REMOTE FLASH PROGRAMMING DETAIL

(program controller as shown below)

1. From Main Menu select 4-UNIT DATA
2. From UNIT DATA Submenu select 2-FLASH
3. From FLASH Submenu select 1-REMOTE FLASH SETTINGS

REMOTE FLASH SETTINGS

TEST-A FLASH: 0

LDSW:123456789 0123456789 0123456789 012

FLSH:110010010 0001000100 0000000000 000

ALT:010010000 0000000100 0000000000 000

0-DARK 1-RED 2-YELLOW 3-STEADY YELLOW

PRESS 'F' TO RETURN TO FLASH

4. From REMOTE FLASH Submenu select 2-REMOTE FLASH ENTRY/EXIT PHASES

REMOTE FLASH ENTRY/EXIT PHASES

PHASES: 12345678 90123456

ENTRY: 01000100 00000000

EXIT: 01000100 00000000

REMOTE FLASH PROGRAMMING COMPLETE

ALL RED FLASH STARTUP PROGRAMMING DETAIL

(program controller as shown below)

1. From Main Menu select 4-UNIT DATA
2. From UNIT DATA Submenu select 1-STARTUP & MISC

STARTUP & MISC

STARTUP TIME: 6 (SEC) STATE: 2 (0-FL

RED REV/10: 40 (TSEC) 1-RED

AUTO PED CLR: 0 (0-NO 1-YES) 2-RAF)

STOP T RESET: 0 (0-NO 1-YES)

SEQUENCE: 1 (1-19)

SPECIAL SEQ: 0 (SEE HELP)

STARTUP PROGRAMMING COMPLETE

INIT & N.A. RESP PROGRAMMING DETAIL

(program controller as shown below)

1. From Main Menu select 3-PHASE DATA
2. From PHASE DATA Submenu select 4-INIT & N.A. RESP+

PHASE: 1 2 3 4 5 6 7 8

INITIAL 0 4 0 1 0 6 0 0

NA RESP 0 1 0 2 0 1 0 0

UPDT GRN 0 0 0 0 0 0 0 0

CODES: 0 1 2 3 4 5 6

INIL NONE INACT RED YEL GRN DRK G/DW

NA RSP NONE NA1 NA2 1&2 --- ---

Notice phases 1,3,5,7 & 8 not used!

INIT & N.A. RESP PROGRAMMING COMPLETE

Electrical Detail - Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical and Programming Details For:

Prepared in the Offices of:

Transportation Mobility and Safety Division

STATE OF NORTH CAROLINA

Department of Transportation

Signal Management Section

750 N. Greenfield Pkwy, Garner, NC 27529

I-40 EB Ramp at SR 1007 (Lenoir Rhyne Blvd. SE)

Division 12 Catawba County Hickory

PLAN DATE: August 2026 REVIEWED BY:

PREPARED BY: Tim Langston REVIEWED BY:

REVISIONS

INIT. DATE

SIG. INVENTORY NO. 12-0309

SEAL

NORTH CAROLINA

PROFESSIONAL ENGINEER

SEAL 031001

T. TODD JOYCE

DocuSigned by: T. Todd Joyce 08/12/2026

DATE

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0309
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