

FYA SIGNAL OUTPUT REMAPPING ASSIGNMENT PROGRAMMING DETAIL  
FOR SIGNAL HEAD 41

(program controller as shown below)

FROM MAIN MENU PRESS '6' (OUTPUTS), THEN  
'1' (OUTPUT ASSIGNMENTS).  
WITH CURSOR IN "OUTPUT ASSIGNMENT#" POSITION, ENTER "22"

DISPLAY WILL NOW SHOW THE SPECIFIED OUTPUT  
ASSIGNED AS 'VEHICLE OVERLAP' AS SHOWN BELOW.

PAGE:1 C1 PIN:24 VEHICLE PHASE  
OUTPUT ASSIGNMENT #.....22  
FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0  
DUTY CYCLE (0=DEFAULT) (0 - 100%)...0  
MODE (0=SOLID,1=FLASH).....0  
SELECT ASSIGNMENT:  
NOT ENABLED.....  
VEHICLE PHASE.....Y  
PEDESTRIAN PHASE.....  
VEHICLE OVERLAP.....Y  
PEDESTRIAN OVERLAP.....  
WATCHDOG.....  
DETECTOR RESET.....  
ADVANCE BEACON.....  
OUT OF PHASE FLASHER.....  
CONTROLLER FLASH.....  
RUN FREE.....  
RESERVED.....  
PREEMPT.....  
SOFT PREEMPT.....  
ANY PREEMPT.....  
COORDINATION PLAN.....  
OFFSET.....  
PHASE CHECK.....  
PHASE ON.....  
PHASE NEXT.....

PAGE:1 C1 PIN:24 VEHICLE PHASE  
SELECT VEHICLE OVERLAP (A=1,P=16)...4  
SELECT COLOR(0=RED,1=YEL,2=GRN)....0

WHEN A 'Y' IS ENTERED FOR 'VEHICLE OVERLAP'  
THE SCREEN SHOWN ABOVE WILL APPEAR.  
ENTER DATA AS SHOWN.  
  
PRESS THE 'ENT' KEY AFTER INPUTTING DATA,  
THEN 'ESC'.

PAGE:1 C1 PIN:24 VEHICLE OVERLAP  
OUTPUT ASSIGNMENT #.....22  
FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0  
DUTY CYCLE (0=DEFAULT) (0 - 100%)...0  
MODE (0=SOLID,1=FLASH).....0  
SELECT ASSIGNMENT:  
NOT ENABLED.....  
VEHICLE PHASE.....  
PEDESTRIAN PHASE.....  
VEHICLE OVERLAP.....Y  
PEDESTRIAN OVERLAP.....  
WATCHDOG.....  
DETECTOR RESET.....  
ADVANCE BEACON.....  
OUT OF PHASE FLASHER.....  
CONTROLLER FLASH.....  
RUN FREE.....  
RESERVED.....  
PREEMPT.....  
SOFT PREEMPT.....  
ANY PREEMPT.....  
COORDINATION PLAN.....  
OFFSET.....  
PHASE CHECK.....  
PHASE ON.....  
PHASE NEXT.....

PRESS "+" KEY FOR OUTPUT 23

DISPLAY WILL NOW SHOW THE SPECIFIED OUTPUT  
ASSIGNED AS 'VEHICLE OVERLAP' AS SHOWN BELOW.

PAGE:1 C1 PIN:25 VEHICLE PHASE  
OUTPUT ASSIGNMENT #.....23  
FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0  
DUTY CYCLE (0=DEFAULT) (0 - 100%)...0  
MODE (0=SOLID,1=FLASH).....0  
SELECT ASSIGNMENT:  
NOT ENABLED.....  
VEHICLE PHASE.....Y  
PEDESTRIAN PHASE.....  
VEHICLE OVERLAP.....Y  
PEDESTRIAN OVERLAP.....  
WATCHDOG.....  
DETECTOR RESET.....  
ADVANCE BEACON.....  
OUT OF PHASE FLASHER.....  
CONTROLLER FLASH.....  
RUN FREE.....  
RESERVED.....  
PREEMPT.....  
SOFT PREEMPT.....  
ANY PREEMPT.....  
COORDINATION PLAN.....  
OFFSET.....  
PHASE CHECK.....  
PHASE ON.....  
PHASE NEXT.....

PAGE:1 C1 PIN:25 VEHICLE PHASE  
SELECT VEHICLE OVERLAP (A=1,P=16)...4  
SELECT COLOR(0=RED,1=YEL,2=GRN)....1

WHEN A 'Y' IS ENTERED FOR 'VEHICLE OVERLAP'  
THE SCREEN SHOWN ABOVE WILL APPEAR.  
ENTER DATA AS SHOWN.  
  
PRESS THE 'ENT' KEY AFTER INPUTTING DATA,  
THEN 'ESC'.

PAGE:1 C1 PIN:25 VEHICLE OVERLAP  
OUTPUT ASSIGNMENT #.....23  
FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0  
DUTY CYCLE (0=DEFAULT) (0 - 100%)...0  
MODE (0=SOLID,1=FLASH).....0  
SELECT ASSIGNMENT:  
NOT ENABLED.....  
VEHICLE PHASE.....  
PEDESTRIAN PHASE.....  
VEHICLE OVERLAP.....Y  
PEDESTRIAN OVERLAP.....  
WATCHDOG.....  
DETECTOR RESET.....  
ADVANCE BEACON.....  
OUT OF PHASE FLASHER.....  
CONTROLLER FLASH.....  
RUN FREE.....  
RESERVED.....  
PREEMPT.....  
SOFT PREEMPT.....  
ANY PREEMPT.....  
COORDINATION PLAN.....  
OFFSET.....  
PHASE CHECK.....  
PHASE ON.....  
PHASE NEXT.....

PRESS "+" KEY FOR OUTPUT 24

DISPLAY WILL NOW SHOW THE SPECIFIED OUTPUT  
ASSIGNED AS 'VEHICLE OVERLAP' AS SHOWN BELOW.

PAGE:1 C1 PIN:26 VEHICLE PHASE  
OUTPUT ASSIGNMENT #.....24  
FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0  
DUTY CYCLE (0=DEFAULT) (0 - 100%)...0  
MODE (0=SOLID,1=FLASH).....0  
SELECT ASSIGNMENT:  
NOT ENABLED.....  
VEHICLE PHASE.....Y  
PEDESTRIAN PHASE.....  
VEHICLE OVERLAP.....Y  
PEDESTRIAN OVERLAP.....  
WATCHDOG.....  
DETECTOR RESET.....  
ADVANCE BEACON.....  
OUT OF PHASE FLASHER.....  
CONTROLLER FLASH.....  
RUN FREE.....  
RESERVED.....  
PREEMPT.....  
SOFT PREEMPT.....  
ANY PREEMPT.....  
COORDINATION PLAN.....  
OFFSET.....  
PHASE CHECK.....  
PHASE ON.....  
PHASE NEXT.....

PAGE:1 C1 PIN:26 VEHICLE PHASE  
SELECT VEHICLE OVERLAP (A=1,P=16)...4  
SELECT COLOR(0=RED,1=YEL,2=GRN)....2

WHEN A 'Y' IS ENTERED FOR 'VEHICLE OVERLAP'  
THE SCREEN SHOWN ABOVE WILL APPEAR.  
ENTER DATA AS SHOWN.  
  
PRESS THE 'ENT' KEY AFTER INPUTTING DATA,  
THEN 'ESC'.

PAGE:1 C1 PIN:26 VEHICLE OVERLAP  
OUTPUT ASSIGNMENT #.....24  
FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0  
DUTY CYCLE (0=DEFAULT) (0 - 100%)...0  
MODE (0=SOLID,1=FLASH).....0  
SELECT ASSIGNMENT:  
NOT ENABLED.....  
VEHICLE PHASE.....  
PEDESTRIAN PHASE.....  
VEHICLE OVERLAP.....Y  
PEDESTRIAN OVERLAP.....  
WATCHDOG.....  
DETECTOR RESET.....  
ADVANCE BEACON.....  
OUT OF PHASE FLASHER.....  
CONTROLLER FLASH.....  
RUN FREE.....  
RESERVED.....  
PREEMPT.....  
SOFT PREEMPT.....  
ANY PREEMPT.....  
COORDINATION PLAN.....  
OFFSET.....  
PHASE CHECK.....  
PHASE ON.....  
PHASE NEXT.....

OUTPUT PROGRAMMING COMPLETE

OVERLAP PROGRAMMING DETAIL  
(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN  
'1' (VEHICLE OVERLAP SETTINGS).  
  
PRESS '+' 3 TIMES

PAGE 1: VEHICLE OVERLAP 'D' SETTINGS  
PHASE: 12345678910111213141516  
VEH OVL PARENTS: X  
VEH OVL NOT VEH:  
VEH OVL NOT PED:  
VEH OVL GRN EXT:  
STARTUP COLOR: \_ RED \_ YELLOW \_ GREEN  
FLASH COLORS: \_ RED \_ YELLOW X GREEN  
SELECT VEHICLE OVERLAP OPTIONS: (Y/N)  
FLASH YELLOW IN CONTROLLER FLASH?...N  
GREEN EXTENSION (0-255 SEC).....0  
YELLOW CLEAR (0=PARENT,3-25.5 SEC)...0.0  
RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0  
OUTPUT AS PHASE # (0=NONE, 1-16)....0

NOTICE  
GREEN  
FLASH

OVERLAP PROGRAMMING COMPLETE

PED YELLOW CONFLICT MONITOR WIRING DETAIL  
(make cabinet wiring changes as shown below)

In order to use FYA COMPACT mode with the 2018ECL-NC Monitor, the cabinet must be wired such that the (unused) Ped Yellow load switch outputs are wired to the conflict monitor as follows: From 8 PY (field term. 111) to chan. 10 yellow (monitor pin U).

Follow the instructions below to make the appropriate connections:

- STEP 1: Fold down rear panel of output file.
- STEP 2: Find unused wiring harness from conflict monitor card edge connector (which should be tied and bundled together).
- STEP 3: Find the conductors that correspond to the following conflict monitor card edge pins and solder wire to the appropriate terminal on the rear of the output file as shown below:

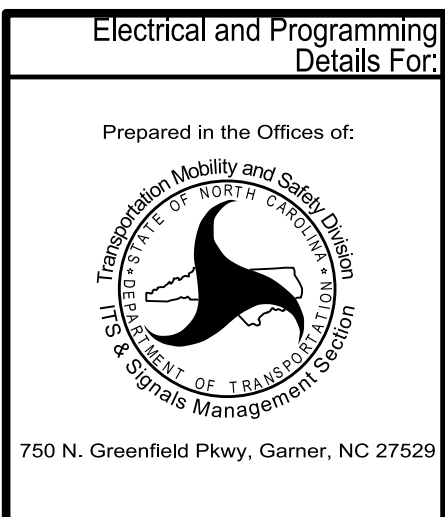
CMU-U 8PY (term. 111)

NOTE: Some cabinet manufacturers use keyed connectors to accomplish this wiring configuration. If connectors are used, fold down the rear panel of the output file and find the set of 3 keyed connectors and connect them as shown below:

1-2PY ..... 1-CMU-13  
2-4PY ..... 2-CMU-16  
3-6PY ..... 3-CMU-R  
4-8PY ..... 4-CMU-U

THIS ELECTRICAL DETAIL IS FOR  
THE SIGNAL DESIGN: 09-0327T2  
DESIGNED: January 2025  
SEALED: 01-02-25  
REVISED: N/A

Electrical Design - Sheet 2 of 2 - Temporary Design 2 (TMP Phase II)



SR 2741 (Clemmonsville Road)  
at  
I-40 EB Ramp

Division 9	Forsyth County	Winston-Salem
PLAN DATE: January 2025	REVIEWED BY:	
PREPARED BY: James Peterson	REVIEWED BY:	
REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

