

SCHOOL FLASHER OUTPUT ASSIGNMENT PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '1' (OUTPUT ASSIGNMENTS), PRESS '+' UNTIL OUTPUT #33 (PIN 35) IS REACHED.

```

PAGE:1 C1 PIN:35 NOT ENABLED
OUTPUT ASSIGNMENT #.....33
FREQUENCY (0=DEFAULT) (0-25.5 HZ)...1.0
DUTY CYCLE (0=DEFAULT) (0 - 100%)...50
MODE (0=SOLID,1=FLASH).....1
SELECT ASSIGNMENT:
NOT ENABLED.....Y
VEHICLE PHASE.....
PEDESTRIAN PHASE.....
VEHICLE OVERLAP.....
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.....
    
```

EDIT THE FIRST THREE PROGRAMMING ROWS TO DEFINE THE OUTPUT TO FLASH, ALONG WITH THE RATE AT WHICH IT WILL FLASH.

LEAVE THIS ENTRY AS IS

PRESS '+' KEY FOR OUTPUT ASSIGNMENT 34 (C1 PIN 36)

```

PAGE:1 C1 PIN:36 NOT ENABLED
OUTPUT ASSIGNMENT #.....34
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.....Y
VEHICLE PHASE.....
PEDESTRIAN PHASE.....
VEHICLE OVERLAP.....
PEDESTRIAN OVERLAP.....
WATCHDOG.....
DETECTOR RESET.....
ADVANCE BEACON.....
OUT OF PHASE FLASHER.....Y
CONTROLLER FLASH.....
RUN FREE.....
RESERVED.....
PREEMPT.....
SOFT PREEMPT.....
ANY PREEMPT.....
COORDINATION PLAN.....
OFFSET.....
PHASE CHECK.....
PHASE ON.....
PHASE NEXT.....
    
```

THE NOT ENABLED 'Y' WILL REMAIN UNTIL THE FUNCTION OF THIS OUTPUT IS CHANGED. DO NOT ENTER AN 'N'.

```

PAGE:1 C1 PIN:36 NOT ENABLED
SELECT OUTPUT ASSIGNMENT (1-64).....33
    
```

WHEN A 'Y' IS ENTERED FOR 'OUT OF PHASE FLASHER' THE SCREEN SHOWN ABOVE WILL APPEAR. ENTER DATA AS SHOWN.
PRESS THE 'ENT' AFTER INPUTTING DATA, THEN 'ESC'.

DISPLAY WILL NOW SHOW THE SPECIFIED OUTPUT ASSIGNED AS 'OUT OF PHASE FLASHER' AS SHOWN BELOW.

```

PAGE:1 C1 PIN:36 OUT OF PHASE FLASHER
OUTPUT ASSIGNMENT #.....34
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.....
PEDESTRIAN OVERLAP.....
WATCHDOG.....
DETECTOR RESET.....
ADVANCE BEACON.....
OUT OF PHASE FLASHER.....Y
CONTROLLER FLASH.....
RUN FREE.....
RESERVED.....
PREEMPT.....
SOFT PREEMPT.....
ANY PREEMPT.....
COORDINATION PLAN.....
OFFSET.....
PHASE CHECK.....
PHASE ON.....
PHASE NEXT.....
    
```

PROGRAMMING COMPLETE

EVENT #1 SCHEDULING (AM) SCHOOL FLASHER PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS 'B' (SCHEDULING).

```

SCHEDULED EVENT #1 NOT ASSIGNED*
START DATE (MM/DD).....**/**
END DATE (MM/DD).....**/**
START TIME (HH:MM).....**:**
STOP TIME (HH:MM).....**:**
DOW 1SUN MON TUE WED THR FRI SAT
ENABLED 1 X X X X X
EVENT GROUPS 12345678910111213141516
ASSIGNED 1
DELETE EVENT WHEN COMPLETED?.....N
CONTINUOUS EVENT?.....N
INVERT EVENT?.....N
SELECT 1 EVENT TYPE:
EVENT GROUP (1-16).....
PLAN (65=FLSH,66=FREE)... OFFSET#...
PLAN PRIORITY: LOW... MED... HIGH...
CHANGE PHASE SEQUENCE PAGE (1-12)...
CHANGE PHASE TIMING PAGE (1-4)...
CHANGE PHASE CONTROL PAGE (1-4)...
CHANGE OVERLAP CONTROL PAGE (1-4)...
CHANGE INPUT PAGE (1-4)...
CHANGE OUTPUT PAGE (1-4)...
SET OUTPUT ON (1-64).....33
SET OUTPUT OFF (1-64).....
SET INPUT ON (1-64).....
SET INPUT OFF (1-64).....
ENABLE FAILURES LOG?.....
ENABLE EVENTS LOG?.....
ENABLE DATA ENTRIES LOG?.....
ENABLE COORDINATION PLANS LOG?.....
ENABLE SPECIAL FUNCTIONS LOG?.....
ENABLE SPLIT MONITOR LOG?.....
ENABLE DETECTOR DATA LOG?.....
ENABLE DETECTOR (1-64)...
ENABLE DETECTOR DIAGNOSTICS (1-64)...
ENABLE DET STRETCH / DELAY (1-64)...
ENABLE DET STOP BAR MODE (1-64)...
SET LOGIC FLAG ON (1-16)...
SET LOGIC FLAG OFF (1-64)...
OVERRIDE PHASE CONTROL FUNCTIONS?...
    
```

END OF PROGRAMMING

* AFTER PROGRAMMING, THIS SPACE WILL READ 'OUTPUT OVERRIDE'.
/ TIMES AND DATES DETERMINED BY THE DTE.

EVENT #1 SCHEDULING (PM) SCHOOL FLASHER PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS 'B' (SCHEDULING), PRESS THE '+' KEY TO ADVANCE TO EVENT 2.

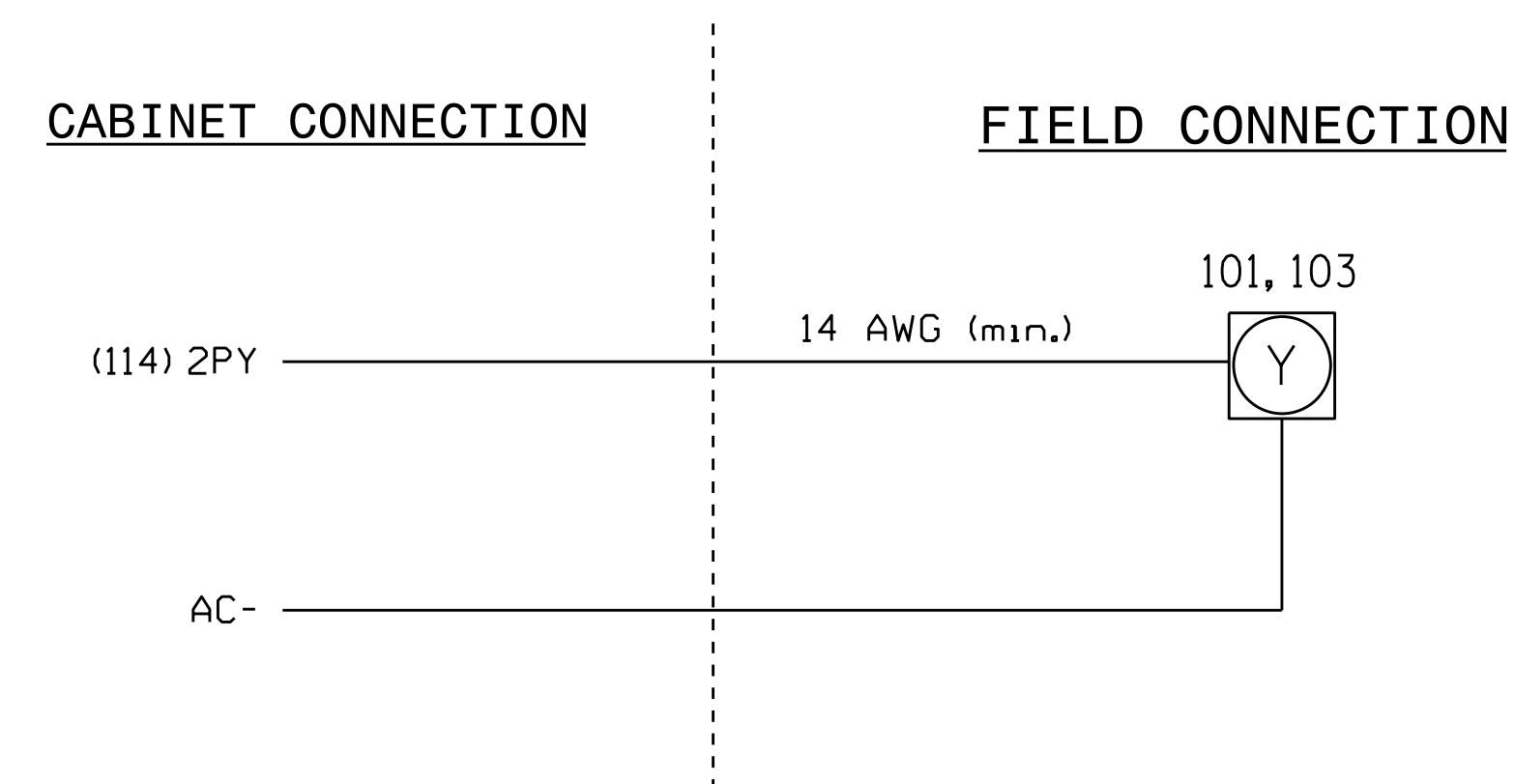
```

SCHEDULED EVENT #2 NOT ASSIGNED*
START DATE (MM/DD).....**/**
END DATE (MM/DD).....**/**
START TIME (HH:MM).....**:**
STOP TIME (HH:MM).....**:**
DOW 1SUN MON TUE WED THR FRI SAT
ENABLED 1 X X X X X
EVENT GROUPS 12345678910111213141516
ASSIGNED 1
DELETE EVENT WHEN COMPLETED?.....N
CONTINUOUS EVENT?.....N
INVERT EVENT?.....N
SELECT 1 EVENT TYPE:
EVENT GROUP (1-16).....
PLAN (65=FLSH,66=FREE)... OFFSET#...
PLAN PRIORITY: LOW... MED... HIGH...
CHANGE PHASE SEQUENCE PAGE (1-12)...
CHANGE PHASE TIMING PAGE (1-4)...
CHANGE PHASE CONTROL PAGE (1-4)...
CHANGE OVERLAP CONTROL PAGE (1-4)...
CHANGE INPUT PAGE (1-4)...
CHANGE OUTPUT PAGE (1-4)...
SET OUTPUT ON (1-64).....33
SET OUTPUT OFF (1-64).....
SET INPUT ON (1-64).....
SET INPUT OFF (1-64).....
ENABLE FAILURES LOG?.....
ENABLE EVENTS LOG?.....
ENABLE DATA ENTRIES LOG?.....
ENABLE COORDINATION PLANS LOG?.....
ENABLE SPECIAL FUNCTIONS LOG?.....
ENABLE SPLIT MONITOR LOG?.....
ENABLE DETECTOR DATA LOG?.....
ENABLE DETECTOR (1-64)...
ENABLE DETECTOR DIAGNOSTICS (1-64)...
ENABLE DET STRETCH / DELAY (1-64)...
ENABLE DET STOP BAR MODE (1-64)...
SET LOGIC FLAG ON (1-16)...
SET LOGIC FLAG OFF (1-64)...
OVERRIDE PHASE CONTROL FUNCTIONS?...
    
```

END OF PROGRAMMING

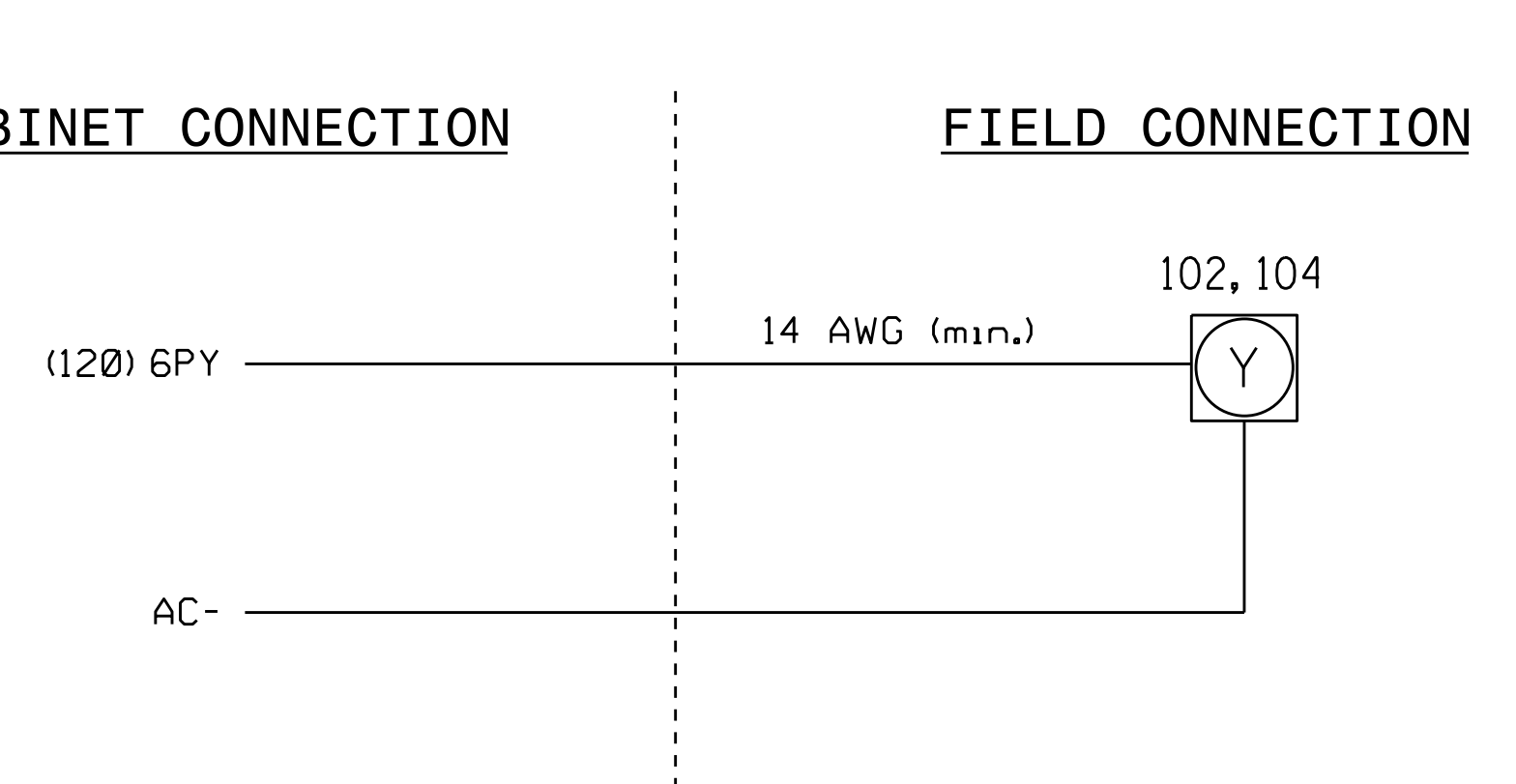
SCHOOL FLASHER (101,103)

(wire flashers as shown below)



SCHOOL FLASHER (102,104)

(wire flashers as shown below)



IMPORTANT

1. Ensure that the white keyed plug located behind rear panel of output file labeled 2PY-4PY-6PY-8PY is disconnected. This will disconnect conflict monitor wires from field signal terminals 114 and 120 shown on flasher wiring detail on this sheet.
2. Install loadswitches in output file slots S3 and S9.
3. To activate school zone flasher operation as indicated on the signal plan, program outputs 33 and 34 as shown on this sheet.
4. Operational times and dates are determined by the DTE. See this sheet for the scheduling programming detail.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-0756
DESIGNED: August 2014
SEALED: 3/18/2015
REVISED: N/A

Electrical Detail - Sheet 3 of 3

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared In the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	NC 68 (Westchester Drive) at SR 1768 (W. Lexington Ave.)		SEAL JOHN T. ROWE, JR. ENGINEER
	Division 7 PLAN DATE: November 2014 PREPARED BY: S. Armstrong	Guilford County REVIEWED BY: JTR DATE:	

I:\Projects\2014_08_10_Signals\Workgroups\Signal\mstronr\070756_sml.ele.xxx.dgn
 S:\MITS\15_Signal\workgroups\Signal\mstronr\070756_sml.ele.xxx.dgn
 sarmstrong