ECONOLITE ASC/3-2070 LOGIC PROCESSOR PROGRAMMING DETAIL
FOR LEADING PED INTERVAL (DELAYED GREEN) & LOGICAL DETECTORS

(program controller as shown)

Logic processor configurations 1 through 2 holds the FYA's on signal heads
11 and 51 red for the duration of the delayed green time (leading
ped interval) when serving a ped call on the opposing through phase.
Logic processor configurations 3 through 10 program the logic detectors.

1. From Main Menu select   1. CONFIGURATION

2. From CONFIGURATION Submenu select   8. LOGIC PROCESSOR

3. From the LOGIC PROCESSOR Submenu select   2. LOGIC STATEMENTS

ENTER A "1" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   1  COPY FROM:   1  ACTIVE: M   (T/F)
IF     PED ON PH WALK       2   IS   ON
AND    VEH GREEN ON PH      2   IS   OFF

THEN   SIG SET OLP RED      1        ON
       SIG SET OLP YELLOW   1        OFF
       SIG SET OVLP GREEN   1        OFF

ELSE
```
HOLD SIGNAL HEAD 11 FYA
RED DURING THE PHASE 2
DELAYED GREEN TIME
(LEADING PED INTERVAL)

ENTER A "2" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   2  COPY FROM:   2  ACTIVE: M   (T/F)
IF     PED ON PH WALK       6   IS   ON
AND    VEH GREEN ON PH      6   IS   OFF

THEN   SIG SET OLP RED      3        ON
       SIG SET OLP YELLOW   3        OFF
       SIG SET OVLP GREEN   3        OFF
ELSE
```
HOLD SIGNAL HEAD 51 FYA
RED DURING THE PHASE 6
DELAYED GREEN TIME
(LEADING PED INTERVAL)

ENTER A "3" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   3  COPY FROM:   3  ACTIVE:M    (T/F)
IF     DET                  1   IS   ON

THEN   DET SET VEH  49-64  61        ON

ELSE
```
LOGIC FOR LOOP 1A
(DETECTOR 1/DETECTOR 61)
"ON".

ENTER A "4" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   4  COPY FROM:   4  ACTIVE:M    (T/F)
IF     DET                  1   IS   OFF

THEN   DET SET VEH  49-64  61        OFF

ELSE
```
LOGIC FOR LOOP 1A
(DETECTOR 1/DETECTOR 61)
"OFF".

ENTER A "5" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   5  COPY FROM:   5  ACTIVE:M    (T/F)
IF     DET                  9   IS   ON

THEN   DET SET VEH  49-64  62        ON

ELSE
```
LOGIC FOR LOOP 3A
(DETECTOR 9/DETECTOR 62)
"ON".

ENTER A "6" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   6  COPY FROM:   6  ACTIVE:M    (T/F)
IF     DET                  9   IS   OFF

THEN   DET SET VEH  49-64  62        OFF

ELSE
```
LOGIC FOR LOOP 3A
(DETECTOR 9/DETECTOR 62)
"OFF".

ENTER A "7" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   7  COPY FROM:   7  ACTIVE:M    (T/F)
IF     DET                  2   IS   ON

THEN   DET SET VEH  49-64  63        ON

ELSE
```
LOGIC FOR LOOP 5A
(DETECTOR 2/DETECTOR 63)
"ON".

ENTER A "8" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   8  COPY FROM:   8  ACTIVE:M    (T/F)
IF     DET                  2   IS   OFF

THEN   DET SET VEH  49-64  63        OFF

ELSE
```
LOGIC FOR LOOP 5A
(DETECTOR 2/DETECTOR 63)
"OFF".

ENTER A "9" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   9  COPY FROM:   9  ACTIVE:M    (T/F)
IF     DET                 13   IS   ON

THEN   DET SET VEH  49-64  64        ON

ELSE
```
LOGIC FOR LOOP 7A
(DETECTOR 13/DETECTOR 64)
"ON".

ENTER A "10" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:  10  COPY FROM:  10  ACTIVE:M    (T/F)
IF     DET                 13   IS   OFF

THEN   DET SET VEH  49-64  64        OFF

ELSE
```
LOGIC FOR LOOP 7A
(DETECTOR 13/DETECTOR 64)
"OFF".

END PROGRAMMING

---

1. From Main Menu select   1. CONFIGURATION

2. From CONFIGURATION Submenu select   8. LOGIC PROCESSOR

3. From the LOGIC PROCESSOR Submenu select   1. LOGIC STATEMENT CONTROL

ENABLE LOGIC PROCESSOR STATEMENTS 1-10 BY POSITIONING
THE CURSOR OVER THE FIELDS SHOWN BELOW AND USING THE
TOGGLE KEY TO ENABLE THEM.

```
LOGIC STATEMENT CONTROL
          1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
LP 1-15   E E E E E E E E E E . . . . . .
LP 16-30  . . . . . . . . . . . . . . . .
LP 31-45  . . . . . . . . . . . . . . . .
LP 46-60  . . . . . . . . . . . . . . . .
LP 61-75  . . . . . . . . . . . . . . . .
LP 76-90  . . . . . . . . . . . . . . . .
```

END PROGRAMMING

ACCESSIBLE PEDESTRIAN SIGNAL (APS)
INSTALLATION NOTES

1. Install push buttons and APS equipment per manufacturer's instructions.

2. Provide a dedicated cable to each push button per manufacturer's instructions.

3. If APS equipment is mounted in cabinet, use filtered power (i.e., Controller Receptacle) to power APS equipment. Do not use Equipment Receptacle, which is a GFCI outlet.

4. Never attempt to operate a standard contact closure push button with the APS system unless cabinet is re-wired for standard button operation or unless explicitly allowed by the manufacturer.

5. Place manufacturer's instructions in cabinet with cabinet prints, signal plans, and electrical details.

6. An APS push button station that is designed to work without the need for interfacing with a pedestrian signal head shall be installed for applications where a push button is installed in a median without a pedestrian signal head.

7. A push button with a single tactile arrow that point in both directions of travel shall be installed if the median separates two parallel crosswalks.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-1242
DESIGNED: October 2025
SEALED: 10/28/2025
REVISED: N/A

Electrical Detail - Sheet 3 of 4

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared in the Offices of:

SR 3126 (Airport Boulevard)
at
Town Hall Drive

Division 5	Wake County	Morrisville
PLAN DATE: October 2025	REVIEWED BY:	
PREPARED BY: S. Kirkpatrick	REVIEWED BY:	

750 N.Greenfield Pkwy,Garner,NC 27529

REVISIONS	INIT.	DATE
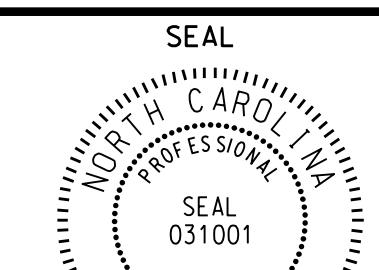
SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
031001
ENGINEER
D. TODD JOYCE

DocuSigned by:
D. Todd Joyce   10/28/2025
DATE

SIG. INVENTORY NO.   05-1242