

ECONOLITE ASC/3-2070 LOGIC PROCESSOR PROGRAMMING DETAIL TO PREVENT POSSIBLE BACKUP/RED REVERT ISSUE

(program controller as shown)

Under very specific circumstances when backing up from 2+6 to 1+6 or 2+6 to 2+5, the controller will not reserve phase 2 or phase 6 after going through Red Clear and Red Revert. This logic ensures backup protect and Red Revert work properly.

- From Main Menu select **1. CONFIGURATION**
- From CONFIGURATION Submenu select **8. LOGIC PROCESSOR**
- From 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:N (T/F)
IF VEH YELLOW ON PH 2 IS ON
AND CTR ON PHASE CHECK 3 IS OFF
AND CTR ON PHASE CHECK 4 IS OFF

THEN LP SET LOGIC FLAG 1 ON

ELSE

```

IF PHASE 2 IS CLEARING AND THERE ARE NO SIDE STREET CALLS, SET A LOGIC FLAG.

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

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LP#: 2 COPY FROM: 2 ACTIVE:N (T/F)
IF LP FLAG 1 IS ON

THEN CTR CALL PHASE 1 ON

ELSE

```

IF THE LOGIC FLAG IS SET, THE CONTROLLER IS BACKING UP TO PHASE 1 SO PLACE A CONTROLLER CALL TO PHASE 1.

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

```

LP#: 3 COPY FROM: 3 ACTIVE:N (T/F)
IF VEH GREEN ON PH 1 IS ON

THEN LP SET LOGIC FLAG 1 OFF

ELSE

```

PHASE 1 IS BEING SERVED SO CLEAR THE LOGIC FLAG AND RELEASE THE PHASE 1 CONTROLLER CALL.

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

```

LP#: 4 COPY FROM: 4 ACTIVE:N (T/F)
IF VEH YELLOW ON PH 6 IS ON
AND CTR ON PHASE CHECK 3 IS OFF
AND CTR ON PHASE CHECK 4 IS OFF

THEN LP SET LOGIC FLAG 5 ON

ELSE

```

IF PHASE 6 IS CLEARING AND THERE ARE NO SIDE STREET CALLS, SET A LOGIC FLAG.

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

```

LP#: 5 COPY FROM: 5 ACTIVE:N (T/F)
IF LP FLAG 5 IS ON

THEN CTR CALL PHASE 5 ON

ELSE

```

IF THE LOGIC FLAG IS SET, THE CONTROLLER IS BACKING UP TO PHASE 5 SO PLACE A CONTROLLER CALL TO PHASE 5.

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

```

LP#: 6 COPY FROM: 6 ACTIVE:N (T/F)
IF VEH GREEN ON PH 5 IS ON

THEN LP SET LOGIC FLAG 5 OFF

ELSE

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PHASE 5 IS BEING SERVED SO CLEAR THE LOGIC FLAG AND RELEASE THE PHASE 5 CONTROLLER CALL.

END PROGRAMMING

- From Main Menu select **1. CONFIGURATION**
- From CONFIGURATION Submenu select **8. LOGIC PROCESSOR**
- From LOGIC PROCESSOR Submenu select **1. LOGIC STATEMENT CONTROL**

ENABLE LOGIC PROCESSOR STATEMENTS 1-6 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
LP 1-15	E	E	E	E	E	E
LP 16-30
LP 31-45
LP 46-60
LP 61-75
LP 76-90

END PROGRAMMING

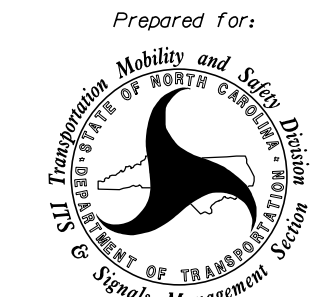
THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0209T1
DESIGNED: March 2021
SEALED: 04/26/2021
REVISED: N/A

*****ACTUAL ESESS
*****REVISIONS*****
*****USERNAME*****

Electrical Detail - Sheet 2 of 3 - Temp 1

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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ELECTRICAL AND PROGRAMMING DETAILS FOR:
Prepared for:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 50-242 (Main St)
at
I-95 NB Ramps/S Walton Dr
Division 4 Johnston County Benson
PLAN DATE: March 2021 REVIEWED BY: W M Yalch
PREPARED BY: K M Cory REVIEWED BY:
REVISIONS INIT. DATE
SIGNATURE DATE
SIG. INVENTORY NO. 04-0209T1

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 038970
KELLY M. CORY
4/26/2021