ECONOLITE ASC/3-2070 CONTROLLER
SEQUENCE PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select   1. CONFIGURATION

2. From CONFIGURATION Submenu select   1. CONTROLLER SEQ

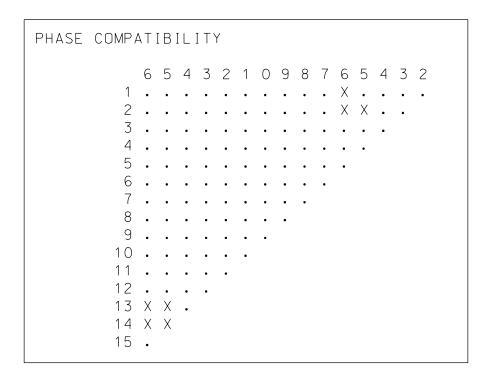3. From CONTROLLER SEQUENCE Submenu select   1. PHASE RING SEQUENCE AND ASSIGNMENT

Move the cursor to the SEQUENCE COMMANDS field, toggle
to select "C" mode, enter phases in desired sequence.

```
CONTROLLER SEQUENCE [ 1]
SEQUENCE COMMANDS  .  HW ALT SEQ ENA.           NO
      01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
BC-   C  C  C  C  C  C  C  C  C  C  C  C  C  C  C  C
R1-  .  2  1  3  4 10 .  .  .  .  .  .  .  .  .  .
R2-  5  6  .  .  .  .  .  .  .  .  .  .  .  .  .  .
R3-  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
R4-  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .

R1-R4=RING 1-4, DATA ENTRY, PHASES 1-16
BC=BARRIER CONTROL, VALUES: B,C
B=CURRENT GROUP RING BARRIER
C=COMPATIBILITY PROGRAMMED BY MAIN MENU 1-1-2
```

END SEQUENCE AND ASSIGNMENT PROGRAMMING

1. From Main Menu select   1. CONFIGURATION

2. From CONFIGURATION Submenu select   1. CONTROLLER SEQ

3. From CONTROLLER SEQUENCE Submenu select   2. PHASE COMPATIBILITY

Program phase compatibility as shown below to
ensure phases 1 and 5 cannot run concurrently.

```
PHASE COMPATIBILITY

        6 5 4 3 2 1 0 9 8 7 6 5 4 3 2
     1  . . . . . . . . . . X . . . .
     2  . . . . . . . . . . X X . . .
     3  . . . . . . . . . . . . . . .
     4  . . . . . . . . . . . . . . .
     5  . . . . . . . . . . . . . . .
     6  . . . . . . . . . . . . . . .
     7  . . . . . . . . . . . . .
     8  . . . . . . . . . . . .
     9  . . . . . . . . . .
    10  . . . . . . . . .
    11  . . . . .
    12  . . . . .
    13  X X .
    14  X X
    15  .
```

END COMPATIBILITY PROGRAMMING

ECONOLITE ASC/3-2070 BACKUP
PROTECTION ENABLE PROGRAMMING

(program controller as shown)

1. From Main Menu select   1. CONFIGURATION

2. From CONFIGURATION Submenu select   1. CONTROLLER SEQ

3. From CONTROLLER SEQUENCE Submenu select   3. BACKUP PREVENT PHASES

Follow programming as shown below. On the
'ENABLE BACKUP PREVENT' screen move cursor
to the appropriate field and press 'YES/NO' on
the controller keypad to toggle field value
between 'X' ,'B', 'C' and 'OFF'.

```
ENABLE BACKUP PREVENT
TMG/BKUP 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
      1  . . . . . . . . . . . . . . . .
      2  . . . . . . . . . . . . . . . .
      3  . . . . . . . . . . . . . . . .
      4  . . . . . . . . . . . . . . . .
      5  . . . . . . . . . . . . . . . .
      6  . . . . . B . . . . . . . . . .
      7  . . . . . . . . . . . . . . . .
      8  . . . . . . . . . . . . . . . .
      9  . . . . . . . . . . . . . . . .
     10  . . . . . . . . . . . . . . . .
     11  . . . . . . . . . . . . . . . .
     12  . . . . . . . . . . . . . . . .
     13  . . . . . . . . . . . . . . . .
     14  . . . . . . . . . . . . . . . .
     15  . . . . . . . . . . . . . . . .
     16  . . . . . . . . . . . . . . . .
```

END PROGRAMMING

NOTE

1. 'B' without a 'C' programmed for the 'TIMING' (row) phase inhibits the controller
from servicing the 'BACKUP' (column) phase when the 'TIMING' (row) phase is
active, or next, until the controller goes through Red Revert and Red Clear.
Make sure the proper Red Revert and Red Clear times shown on the Signal
Design plan are programmed in the controller phase timing.

ECONOLITE ASC/3-2070 "PHASES IN USE"
PROGRAMMING ASSIGNMENT DETAIL

(program controller as shown)

1. From Main Menu select   1. CONFIGURATION

2. From DETECTOR Submenu select   2. PHASES IN USE/PED

```
PHASES IN USE / EXCLUSIVE PED
         PHASE   1   2   3   4   5   6   7   8
IN USE.......   X   X   X   X   X   X   .   .
EXCLUSIVE PED   .   .   .   .   .   .   .   .

         PHASE   9  10  11  12  13  14  15  16
IN USE.......   .   X   .   .   .   .   .   .
EXCLUSIVE PED   .   .   .   .   .   .   .   .
```

ECONOLITE ASC/3-2070
LOAD SWITCH ASSIGNMENT DETAIL

(program controller as shown)

To assign load switch S4 as OLG, program LD SWITCH 3
as OVLP '7' TYPE 'O' as shown below.

1. From Main Menu select   1. CONFIGURATION

2. From CONFIGURATION Submenu select   3. LOAD SW ASSIGN

NOTICE OVLP 5
ASSIGNED TO →
LD SWITCH 3

```
LD SWITCH ASSIGN
      PHASE      DIMMING ---FLASH---
      /OVLP TYPE R Y G D PWR AUT TGR
  1     1    V   . . . + A  R  X
  2     2    V   . . . + A  Y  .
  3     7    O   . . . + A  R  X
  4     4    V   . . . + A  R  .
  5     5    V   . . . − A  R  .
  6     6    V   . . . − A  Y  X
  7     7    V   . . . − A  R  .
  8     8    V   . . . − A  R  X
  9     1    O   . . . − A  R  .
 10     2    O   . . . + A  R  X
 11     3    O   . . . − A  R  .
 12     4    O   . . . − A  R  .
 13     2    P   . . . + A  .  .
 14     4    P   . . . − A  .  .
 15     6    P   . . . + A  .  .
 16     8    P   . . . − A  .  .
```

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 01-0519
DESIGNED: MARCH 2018
SEALED: 08/21/2018
REVISED: N/A

Electrical Detail - Sheet 2 of 4

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ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared for the Offices of:

US 17 Bus. (Ehringhaus Street)
at
Griffin Street/
Post Office Entrance

Division 1	Pasquotank County	Elizabeth City
PLAN DATE: March 2018	REVIEWED BY:	AJ Davis
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REVISIONS | INIT. | DATE

DocuSigned by:
Lisa M. Moon
9/20/2018
DATE

SIG. INVENTORY NO.   01-0519