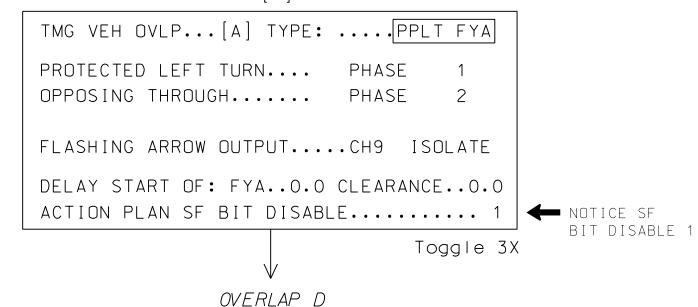# ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)
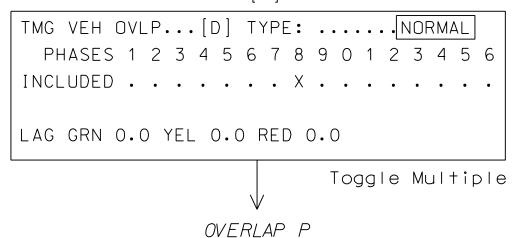
1. From Main Menu select 2. CONTROLLER

2. From CONTROLLER Submenu select 2. VEHICLE OVERLAPS

OVERLAP A

Select TMG VEH OVLP [A] and 'PPLT FYA'

```
TMG VEH OVLP...[A] TYPE: .....PPLT FYA

PROTECTED LEFT TURN....    PHASE    1
OPPOSING THROUGH.......    PHASE    2

FLASHING ARROW OUTPUT.....CH9  ISOLATE

DELAY START OF: FYA..0.0 CLEARANCE..0.0
ACTION PLAN SF BIT DISABLE........... 1    ← NOTICE SF
                                             BIT DISABLE 1
                          Toggle 3X
```

OVERLAP D

Select TMG VEH OVLP [D] and 'NORMAL'

```
TMG VEH OVLP...[D] TYPE: ......NORMAL
   PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
INCLUDED . . . . . . . X . . . . . . . .

LAG GRN 0.0 YEL 0.0 RED 0.0
                        Toggle Multiple
```

OVERLAP P

Select TMG VEH OVLP [P] and 'NORMAL'
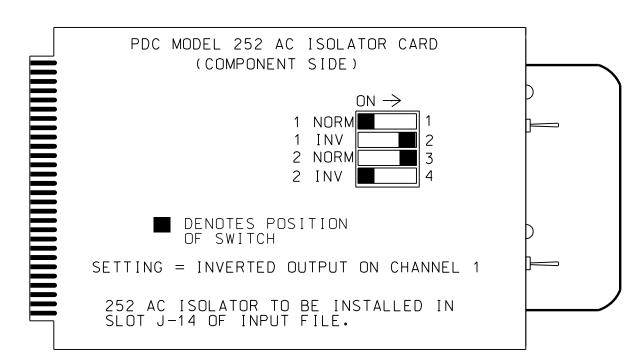
```
TMG VEH OVLP...[P] TYPE: ......NORMAL
   PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
INCLUDED X X . . . . X . X . . . . . . .

LAG GRN 0.0 YEL 0.0 RED 0.0
```

END PROGRAMMING

The utilization of Overlap P ensures consistent clearance timing during transition to preemption

PREEMPT 1 AC ISOLATOR (MODEL 252)
OUTPUT PROGRAMMING DETAIL

(set DIP switches as shown below)

```
PDC MODEL 252 AC ISOLATOR CARD
       (COMPONENT SIDE)

                  ON →
            1 NORM          1
            1 INV           2
            2 NORM          3
            2 INV           4

      ■  DENOTES POSITION
         OF SWITCH

      SETTING = INVERTED OUTPUT ON CHANNEL 1

      252 AC ISOLATOR TO BE INSTALLED IN
      SLOT J-14 OF INPUT FILE.
```

NOTE: IF ANOTHER MANUFACTURER TYPE OF AC ISOLATOR IS USED, OUTPUT
       PROGRAMMING IS LIKELY NOT TO EQUATE TO THAT SHOWN ABOVE.

ECONOLITE ASC/3-2070 VEHICLE DETECTOR SETUP PROGRAMMING DETAIL
FOR ALTERNATE PHASING LOOP 1A

(program controller as shown)

IMPORTANT!

Program detectors per the input file connection and
programming chart shown on sheet 1 before proceeding.

1. From Main Menu select 8. UTILITIES

2. From UTILITIES Submenu select 1. COPY/CLEAR

3. Copy from DETECTOR PLAN "1" to DETECTOR PLAN "2".

```
COPY / CLEAR UTILITY
         FROM              TO
PHASE TIMING.... . > PHASE TIMING.... .
TIMING PLAN..... . > TIMING PLAN..... .
PH DET OPT PLAN. . > PH DET OPT PLAN. .
DETECTOR PLAN... 1 > DETECTOR PLAN... 2
   TOGGLE TO SELECT A "FROM" AND A "TO"
          THEN PRESS ENTER
```

4. From Main Menu select 6. DETECTORS

5. From DETECTOR Submenu select 2. VEHICLE DETECTOR SETUP

6. Place cursor in VEH DET PLAN [ ] position and enter "2".

   – Place cursor in VEH DETECTOR [ ] position and enter "1".
   – Set delay time to "0".

```
VEH DETECTOR [ 1]   VEH DET PLAN [ 2]    ← NOTICE VEH
TYPE: S-STANDARD                           DET PLAN 2
TS2 DETECTOR..... . ECPI LOG.......  NO
DET PH − 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
   1 1  . . . . . . . . . . . . . . . .
EXTEND TIME... 0.0 DELAY TIME...  0.0   ← ENSURE DELAY
USE ADDED INITIAL . CROSS SWITCH PH.. 0    IS SET TO '0'
LOCK IN....... NONE NTCIP VOL . OR OCC .
PMT QUEUE DELAY. NO
```

   – Place cursor in VEH DETECTOR [ ] position and enter "26".
   – Set assigned phase to "0".

```
VEH DETECTOR [26]   VEH DET PLAN [ 2]    ← NOTICE VEH
TYPE: G-GREEN EXTENSION/DELAY              DET PLAN 2
TS2 DETECTOR..... . ECPI LOG.......  NO
DET PH − 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
  26 0  . . . . . . . . . . . . . . . .
EXTEND TIME... 0.0 DELAY TIME...   0.0
USE ADDED INITIAL . CROSS SWITCH PH.. 0
LOCK IN....... NONE NTCIP VOL . OR OCC .
PMT QUEUE DELAY. NO
```

ENSURE PHASE
IS SET TO "0"

END PROGRAMMING

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 09-0360
DESIGNED: November 2022
SEALED: November 8, 2022
REVISED:

Electrical Detail - Sheet 2 of 4

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

US 311 (S.Main St.)
at
NC 65 [North Intersection]

Division 9	Stokes County	Walnut Cove
PLAN DATE: November 2022	REVIEWED BY:	J O Deaton
PREPARED BY: M W Yalch	REVIEWED BY:	

REVISIONS		
	INIT.	DATE

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
07438
ENGINEER
JAMES O. DEATON

DocuSigned by:
James O. Deaton 11/8/2022
SIGNATURE
DATE

SIG. INVENTORY NO. 09-0360