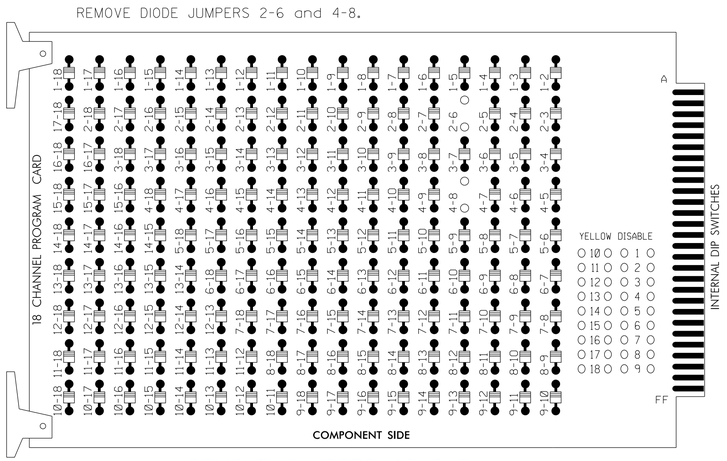
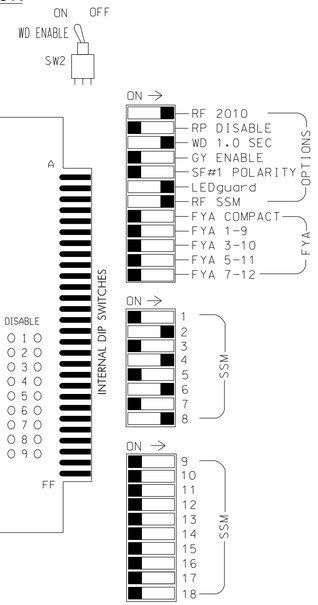
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| U-5742 | SIG.279.1 |

# EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

*(remove jumpers and set switches as shown)*




REMOVE JUMPERS AS SHOWN




NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Integrate monitor with Ethernet network in cabinet.

## NOTES

1. To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
2. Program phases 2 and 6 for Start Up In Green.
3. Program phases 2 and 6 for Yellow Flash.
4. Enable Simultaneous Gap-Out for all phases.
5. Program phases 4 and 8 for Dual Entry.
6. The cabinet and controller are part of the Fayetteville Signal System.

## EQUIPMENT INFORMATION

CONTROLLER.....2070E
CABINET.....336
SOFTWARE.....ECONOLITE ASC/3-2070
CABINET MOUNT.....POLE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S2,S5,S8,S11
PHASES USED.....2,4,6,8
OVERLAPS.....NONE

## SIGNAL HEAD HOOK-UP CHART

| LOAD SWITCH NO. | S1 | S2 | S3 | S4 | S5 | S6 | S7 | S8 | S9 | S10 | S11 | S12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMU CHANNEL NO. | 1 | 2 | 13 | 3 | 4 | 14 | 5 | 6 | 15 | 7 | 8 | 16 |
| PHASE | 1 | 2 | 2 PED | 3 | 4 | 4 PED | 5 | 6 | 6 PED | 7 | 8 | 8 PED |
| SIGNAL HEAD NO. | NU | 21,22 | NU | NU | 41,42 | NU | NU | 61,62 | NU | NU | 81,82 | NU |
| RED | | 128 | | | 101 | | | 134 | | | 107 | |
| YELLOW | | 129 | | | 102 | | | 135 | | | 108 | |
| GREEN | | 130 | | | 103 | | | 136 | | | 109 | |
| RED ARROW | | | | | | | | | | | | |
| YELLOW ARROW | | | | | | | | | | | | |
| GREEN ARROW | | | | | | | | | | | | |
| ✋ | | | | | | | | | | | | |
| 🚶 | | | | | | | | | | | | |

NU = Not Used

✱ Denotes install load resistor. See load resistor installation detail this sheet.

## INPUT FILE POSITION LAYOUT

*(front view)*

| FILE "I" | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| U | SLOT | Ø2 2A | SLOT | Ø4 4A | Ø2 2C | Ø6 6A | SLOT | Ø8 8A | SLOT | SLOT | SLOT | SLOT | SLOT | FS DC ISOLATOR |
| L | EMPTY | Ø2 2B | EMPTY | Ø4 4B | Ø6 6C | Ø6 6B | EMPTY | Ø8 8B | EMPTY | EMPTY | EMPTY | EMPTY | EMPTY | ST DC ISOLATOR |

EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

## INPUT FILE CONNECTION & PROGRAMMING CHART

| LOOP NO. | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND TIME | DELAY TIME | DETECTOR TYPE |
|---|---|---|---|---|---|---|---|---|---|
| 2A | TB21-3,4 | I2U | 39 | 2 | 2 | YES | | | S |
| 2B | TB23-3,4 | I2L | 43 | 12 | 2 | YES | | | S |
| 4A | TB21-7,8 | I4U | 41 | 4 | 4 | YES | | 3 | S |
| 4B | TB23-7,8 | I4L | 45 | 14 | 4 | YES | | | S |
| 2C | TB21-9,10 | I5U | 55 | 5 | 2 | YES | | | S |
| 6C | TB23-9,10 | I5L | 48 | 26 | 6 | YES | | | S |
| 6A | TB21-11,12 | I6U | 40 | 6 | 6 | YES | | | S |
| 6B | TB23-11,12 | I6L | 44 | 16 | 6 | YES | | | S |
| 8A | TB22-1,2 | I8U | 42 | 8 | 8 | YES | | 3 | S |
| 8B | TB24-1,2 | I8L | 46 | 18 | 8 | YES | | | S |

✱ System detector only. Remove any assigned vehicle phase.

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: C017
DESIGNED: NOVEMBER 2016
SEALED: 11/18/2016
REVISED:

Electrical Detail

Fayetteville North Carolina

Prepared In the Offices of:
Hatch Mott MacDonald
PO Box 700
Fuquay-Varina, NC 27526
www.hatchmott.com
HATCH MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

PERSON STREET
AT
B STREET/OLD WILMINGTON ROAD

DIV 06 CUMBERLAND COUNTY FAYETTEVILLE

| PLAN DATE: NOVEMBER 2016 | REVIEWED BY: RWT |
|---|---|
| PREPARED BY: RTP | REVIEWED BY: |

| REVISIONS | INIT. | DATE |
|---|---|---|
| | | |

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036842 ENGINEER RICHARD T PATE

DocuSigned by: Richard T Pate 11/21/2016
F30B3DC0F1B4B0... DATE

SIG. INVENTORY NO. C017

default
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