

### 4-SECTION PPLT FYA OUTPUT PROGRAMMING DETAIL

(program controller as shown below)

- Before proceeding with output programming, be sure to switch the "RUN ENABLE STATUS" to "OFF". The "RUN ENABLE STATUS" setting is located from Main Menu, key strokes 1-7.
- The Flashing Yellow Arrow in a 4-section PPLT FYA head is controlled by a normally unused PED Yellow output. This programming takes a specific PED Yellow output and remaps it to the appropriate Overlap Green output.

FROM MAIN MENU, KEYSTROKES 1-8

Channel & I/O		
1.Chan 1-16	4.Chan+ 1-16	7.I/O Logic
2.chan 17-24	5.chan+ 17-24	8.I/O Viewer
3.Chan Parm	6.I/O Parm	9.I/O UserMap

SELECT USER MODE →

I/O Parameters	
C1-C11-ABC IO Mode: USER	
D Conn Mapping: NONE	
T&F Biu Map: DEFAULT	
Invert Rail Inputs: OFF	
EVP Ped Confirm: OFF	
Peer-Peer Timeout: 0	

PRESS "ESC"

Channel & I/O		
1.Chan 1-16	4.Chan+ 1-16	7.I/O Logic
2.chan 17-24	5.chan+ 17-24	8.I/O Viewer
3.Chan Parm	6.I/O Parm	9.I/O UserMap

User I/O Maps	
1. Inputs	
2. Outputs	
3. Init Map	

SELECT MODE 5 →

Initialize User I/O Maps	
Init ABC with: VIRCTL	
Init D with: NONE	
Init 2A with: MODE 5	
Init TF BIUS with: NONE	

PRESS "ESC"

User I/O Maps	
1. Inputs	
2. Outputs	
3. Init Map	

User Output Maps	
1.NEMA A	4.NEMA D
2.NEMA B	5.FIO 2A
3.NEMA C	9.TS2 IO

PRESS "+" KEY TWICE

Pin Fcn Description	Pin Fcn Description
4-5 54 Ch6 Green	-4-6 5 Ch5 Red
4-7 29 Ch5 Yellow	4-8 53 Ch5 Green
5-1 0 Unused	5-2 39 Ch15 Yellow
5-3 38 Ch14 Yellow	5-4 40 Ch16 Yellow
5-5 115 Not Used	5-6 124 LdSwchFlsh
5-7 115 Not Used	5-8 114 Watchdog
6-1 115 Not Used	+6-2 115 Not Used

PRESS "+" KEY ONCE

Pin Fcn Description	Pin Fcn Description
6-3 12 Ch12 Red	-6-4 36 Ch12 Yellow
6-5 60 Ch12 Green	6-6 11 Ch11 Red
6-7 35 Ch11 Yellow	6-8 59 Ch11 Green
7-1 115 Not Used	7-2 115 Not Used
7-3 10 Ch10 Red	7-4 34 Ch10 Yellow
7-5 58 Ch10 Green	7-6 9 Ch9 Red
7-7 33 Ch9 Yellow	+7-8 37 Ch13Yellow

OUTPUT PROGRAMMING COMPLETE

Pin 5-1 (C1 pin 35) = Load Switch S3-Y  
 Pin 7-8 (C1 pin 99) = Load Switch AUX S1-G

! Press the "\*" key to return to Main Menu. Now go back to "RUN-ENABLE STATUS" and switch to "ON".

#### NOTE

I/O re-programming is necessary for proper FYA operation. See Channel & I/O Programming Detail For FYA Operation on this sheet.

### CHANNEL & I/O PROGRAMMING DETAIL

FOR FYA OPERATION

(program controller as shown below)

This programming takes the output that drives a Flashing Yellow Arrow and makes it flash. It also specifies which overlap is to be overridden for the FYA to display properly.

FROM MAIN MENU, KEYSTROKES 1-8

Channel & I/O		
1.Chan 1-16	4.Chan+ 1-16	7.I/O Logic
2.chan 17-24	5.chan+ 17-24	8.I/O Viewer
3.Chan Parm	6.I/O Parm	9.I/O UserMap

PRESS THE RIGHT ARROW KEY UNTIL THE SCREEN AT RIGHT APPEARS

Chan.1...2...3...4...5...6...7...8 >							
Flash Red .	.	.	.	.	.	.	.
Flash Yel .	.	.	.	.	.	.	.
Flash Grn .	.	.	.	.	.	.	.
Inhibit Red Flash In	.	.	.	.	.	.	.
Preempt .	.	.	.	.	.	.	.
Olap Ovrld 0	0	0	0	0	0	0	0

Chan.9..10..11..12..13..14..15..16							
Flash Red .	.	.	.	.	.	.	.
Flash Yel .	.	.	.	X	.	.	.
Flash Grn .	X	X	X	.	.	.	.
Inhibit Red Flash In	.	.	.	.	.	.	.
Preempt .	.	.	.	.	.	.	.
Olap Ovrld 0	0	0	0	1	0	0	0

Program the controller as shown above.

CHANNEL & I/O PROGRAMMING COMPLETE

#### NOTE

Output re-mapping is necessary for proper FYA operation. See the 4-Section PPLT FYA Output Programming Detail on this sheet.

#### Programming Notes:

Default	Change To:
Pin Fcn Description Fcn Description	
5-1 37 Ch13 Yellow...0 Unused	

#### Programming Notes:

Default	Change To:
Pin Fcn Description Fcn Description	
7-8 57 Ch9 Green...37 Ch13 Yellow	

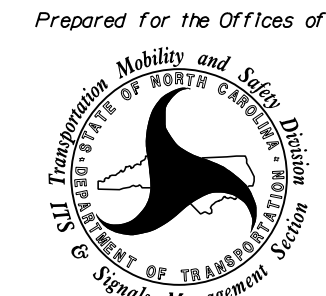
THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1689T3  
 DESIGNED: August 2024  
 SEALED: August 22, 2024  
 REVISED:

Signal Upgrade - Temporary Design 3  
 (TMP Phase II) - Electrical Detail - Sheet 3 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:



750 N. Greenfield Pkwy, Garner, NC 27529

SR 1556 (Gallimore Dairy Rd.)  
 at  
 SR 1554 (Chimney Rock Rd.)/  
 Simply Southern


Division 7 Guilford County Greensboro

PLAN DATE: August 2024 REVIEWED BY: DT Sears

PREPARED BY: WP Erickson-Jones REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL




Porter Jones  
 PROFESSIONAL ENGINEER  
 STATE OF NORTH CAROLINA  
 License No. 056142

DocuSigned by:  
 Porter Jones  
 8/22/2024

SIGNATURE DATE

SIG. INVENTORY NO. 07-1689T3



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