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sgk:rp:tr:ck

OUTPUT CHANNEL CONFIGURATION

Front Panel  
Main Menu >Controller >More>Channels>Channels Config

Web Interface  
Home >Controller >Advanced IO>Channels>Channel Configuration

Channel Configuration

Channel	Control Type	Control Source	Flash Yellow	Flash Red	Flash Alt	MMU Channel
1	Phase Vehicle	1		X	X	1
2	Phase Vehicle	2		X		2
3	Overlap	5		X	X	3
4	Phase Vehicle	4		X		4
5	Overlap	3		X		5
6	Phase Vehicle	6		X	X	6
7	Phase Vehicle	7		X		7
8	Phase Vehicle	8		X	X	8
9	Overlap	1		X	X	9
10	Overlap	2		X	X	10
11	Overlap	3		X		11
12	Overlap	4		X		12
13	Phase Ped	2				13
14	Phase Ped	4				14
15	Phase Ped	6				15
16	Phase Ped	8				16
17	Overlap	5		X	X	17
18	Overlap	6		X		18

NOTE OVERLAP 5



NOTE OVERLAP 3



FYA SIGNAL OUTPUT REMAPPING ASSIGNMENT  
PROGRAMMING DETAIL FOR SIGNAL HEAD 51

Front Panel  
Main Menu >Controller >More >Advanced IO >Output Points

Web Interface  
Home >Controller >Advanced IO >Cabinet Configuration >Output Points

IO Module 1

Output Point	Descripton	Output Control Type	Index
33	C1-35	Not Active	13
34	C1-36	Phase Green	5
35	C1-37	Not Active	14
36	C1-38	Not Active	16

NOTICE OUTPUT POINT 34

CONTROL TYPE & INDEX

REASSIGNMENT



OVERLAP PROGRAMMING

Front Panel  
Main Menu >Controller >Overlap >Overlap Parameters/Overlap Timings

Web Interface  
Home >Controller >Overlap Configuration >Overlaps

Overlap Plan 1

Overlap	3	5
Type	FYA - 4 Section	Normal
Included Phases	6	5
Modifier Phases	5	-
Modifier Overlaps	-	-
Trail Green	0	0
Trail Yellow	0.0	0.0
Trail Red	0.0	0.0

BACKUP PREVENTION  
PROGRAMMING

Front Panel  
Main Menu >Controller >Sequence & Phs Config >Backup Prevention >  
Backup Protection Plan

Web Interface  
Home >Controller> Backup Prevention >Backup Protection Plan

Sequence 1

No Backup Phase	1	2	3	4	5	6	7	8
Serve Phase 1	-	-	-	-	-	-	-	-
Serve Phase 2	-	-	-	-	-	-	-	-
Serve Phase 3	-	-	-	-	-	-	-	-
Serve Phase 4	-	-	-	-	-	-	-	-
Serve Phase 5	-	-	-	-	-	-	-	-
Serve Phase 6	-	-	-	-	X	-	-	-
Serve Phase 7	-	-	-	-	-	-	-	-
Serve Phase 8	-	-	-	-	-	-	-	-

ALL RED BACKUP  
PROGRAMMING

Front Panel  
Main Menu >Controller >Sequence & Phs Config>Backup Prevention >  
Backup Through Red

Web Interface  
Home >Controller >Backup Prevention >Backup Calls Phase Plans >  
(scroll down) to Backup Through Red

Backup Through All Red

Sequence	Backup Through All Red
1	YES

MAXTIME STARTUP AND SOFTWARE FLASH  
PROGRAMMING DETAIL

Front Panel  
Main Menu >Controller >Unit

Web Interface  
Home >Controller >Unit

Modify parameters as shown below and save changes.

Start Up Parameters

StartUp Clearance Hold
6

Unit Flash Parameters

All Red Flash Exit Time
6

THIS ELECTRICAL DETAIL IS FOR  
THE SIGNAL DESIGN: 14-0402  
DESIGNED: October 2025  
SEALED: 10/23/2025  
REVISED: N/A

ACCESSIBLE PEDESTRIAN SIGNAL (APS)  
INSTALLATION NOTES

1. Install push buttons and APS equipment per manufacturer's instructions.
2. Provide a dedicated cable to each push button per manufacturer's instructions.
3. If APS equipment is mounted in cabinet, use filtered power (i.e., Controller Receptacle) to power APS equipment. Do not use Equipment Receptacle, which is a GFCI outlet.
4. Never attempt to operate a standard contact closure push button with the APS system unless cabinet is re-wired for standard button operation or unless explicitly allowed by the manufacturer.
5. Place manufacturer's instructions in cabinet with cabinet prints, signal plans, and electrical details.
6. An APS push button station that is designed to work without the need for interfacing with a pedestrian signal head shall be installed for applications where a push button is installed in a median without a pedestrian signal head.
7. A push button with a single tactile arrow that point in both directions of travel shall be installed if the median separates two parallel crosswalks.

PED YELLOW CONFLICT MONITOR WIRING DETAIL  
(make cabinet wiring changes as shown below)

In order to use FYA COMPACT mode with the 16 or 18 Channel Monitor, the cabinet must be wired such that the (unused) Ped Yellow load switch outputs are wired to the conflict monitor as follows: From 6 PY (field term. 120) to chan. 10 green (monitor pin R).

Follow the instructions below to make appropriate connections:

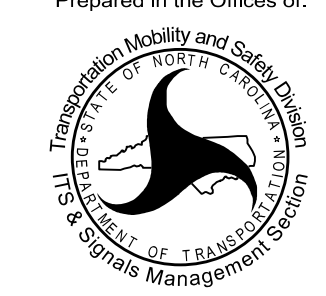
- STEP 1: Fold down rear panel of output file.
- STEP 2: Find unused wiring harness fom conflict monitor card edge connector (which should be tied and bundled together).
- STEP 3: Find the connector that correspond to the folloeing conflict monitor card edge pins and solder wire the the appropriate terminal on the rear of the output file shown below:

CMU-R -----6PY (term. 120)

NOTE: Some cabinet manufacturers use keyed connectors to accomplish this wiring configuration. If connectors are used, fold down the rear panel of the output file and find the set of 3 keyed connectors and connect them as shown below:

1 - 2PY	-----	1- CMU-13
2 - 4PY	-----	2- CMU-16
3 - 6PY	-----	3- CMU-R
4 - 8PY	-----	4- CMU-U

Electrical Detail - Sheet 2 of 2

Electrical and Programming Details For:		US 19 (Main Street) at SR 1364 (Everett Street)/ Rector Street		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Offices of:  750 N. Greenfield Pkwy, Garner, NC 27529		Division 14 Swain County Bryson City		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036833 RYAN W. HOUGH	
PLAN DATE: October 2025		REVIEWED BY:		Signed by: 10/24/2025	
PREPARED BY: Sarah Kirkpatrick		REVIEWED BY:		DATE	
REVISIONS		INIT.		DATE	
				SIG. INVENTORY NO. 14-0402	