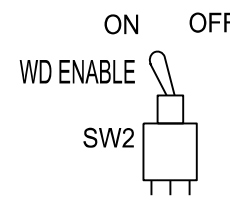


(remove jumpers and set switches as shown)

(remove jumpers and set switches as shown)



YELLOW DISABLE

☐ 10	☐ 1
☐ 11	☐ 2
☐ 12	☐ 3
☐ 13	☐ 4
☐ 14	☐ 5
☐ 15	☐ 6
☐ 16	☐ 7
☐ 17	☐ 8
☐ 18	☐ 9

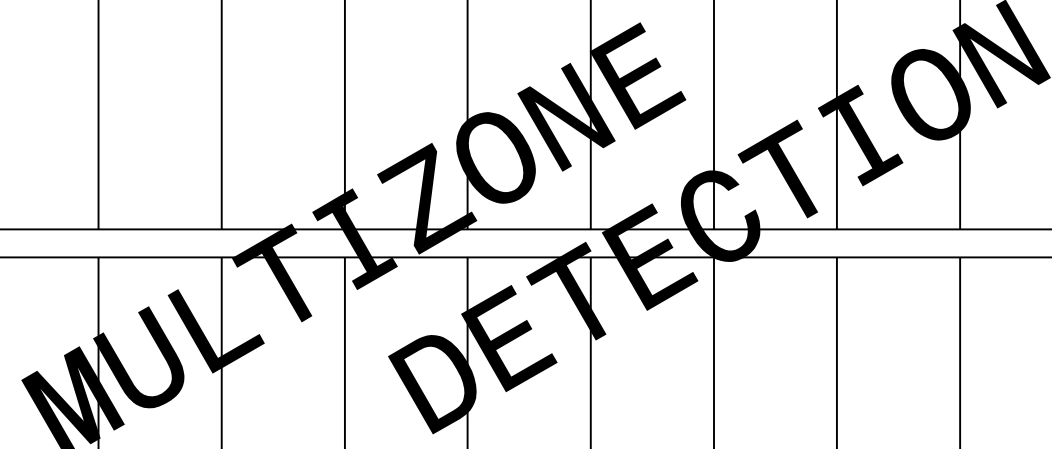
1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that the Red Enable is active at all times during normal operation.
4. Integrate monitor with Ethernet network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

1. To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.
2. Program controller to start up in phase
2 Green No Walk.
3. Program phases 2 for Advanced Warning.
4. Program phases 2 for 3.0 seconds
Pre Clearance.
5. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

[illegible]

**** Outputs have been reassigned for Advanced Beacons. See Sheet 2 for reassignment programming and wiring details.**

(front view)



Install a multizone microwave detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

(install resistors as shown)

Phase 2 Ped Walk Field Terminal (115)

AC-

Phase 6 Ped Walk Field Terminal (121)

AC-

ACCEPTABLE VALUES	
Value (ohms)	Wattage
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)

TRANSYSTEMS

1 Glenwood Avenue
Raleigh, NC 27603
Tel:919.789.9977
Fax:919.789.9591
License: F-0453

Controller.....	2070LX
Cabinet.....	332 w/ Aux
Software.....	Q-Free MAXTIME
Cabinet Mount.....	Base
Output File Positions.....	18 With Aux. Output File
Load Switches Used.....	S2, S3**, S5, S9**
Phases Used.....	2, 4
Overlap "1".....	NOT USED
Overlap "2".....	NOT USED
Overlap "3".....	NOT USED
Overlap "4".....	NOT USED

****Used for advance beacons only**

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-1248T2
DESIGNED: March 2025
SEALED: 3-31-2025
REVISED: N/A

Electrical Detail - Sheet 1 of 2

Electrical and Programming Details For

Prepared in the Offices of:

Transportation Mobility and Safety Division
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ITS & Signal Section

750 N. Greenfield Pkwy, Garner, NC 27529

US 17 (Ocean Highway West)
at
US 17 Bus (Main Street)

3	Brunswick County	Shallotte
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PLAN DATE: March 2025	REVIEWED BY: GG Murr, Jr.
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PREPARED BY: JT Rowe	REVIEWED BY:
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REVISIONS	INIT.	DATE
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DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL

A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "JOHN T. ROWE JR." at the bottom. The inner ring contains the text "PROFESSIONAL" at the top and "ENGINEER" at the bottom. In the center, it reads "SEAL" and "008453".

Signed by: John T. Rowe, Jr 4-1-202

SIG. INVENTORY NO. 03-1248T2