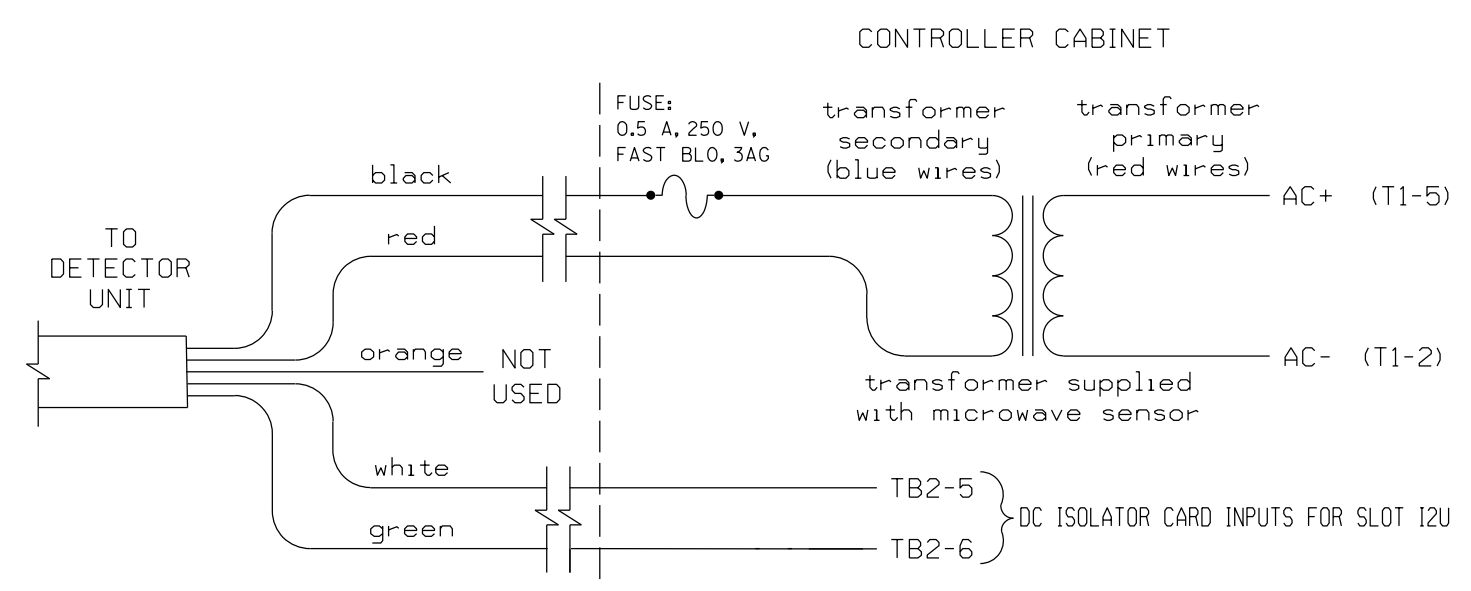


WIRING DETAIL FOR EXISTING MICROWAVE DETECTOR (2A)

(wire as shown)



NOTES:

- Sensor is microwave motion detector mounted on a pole as indicated on the Signal Design Plans.
- Microwave wiring shown above will cause a permanent call unless the Vehicle Detector Programming and Logical I/O Processor Programming details are entered as shown on this sheet. These programming details will cause a call to be placed upon opening the Normally Closed contact on the microwave detector.
- DC Isolator's LED will be ON when no call is present and will be OFF when a call is present.
- Important:** For proper operation of the microwave detector, remove surge protection from TB2-5, TB2-6, TB2-7, and TB2-8 and insert 242 DC Isolator in slot 12.

MICROWAVE DETECTOR WIRE LIST

COLOR	FUNCTION
black	12V to 24V AC/DC (no polarity)
red	12V to 24V AC/DC (no polarity)
orange	Output Relay Normally Open
white	Output Relay Normally Closed
green	Output Relay Common

MAXTIME DETECTOR PROGRAMMING DETAIL

Front Panel
Main Menu >Controller >Detector >Veh Det Plans

Web Interface
Home >Controller >Detector Configuration >Vehicle Detectors

Plan 1

Detector	Call Phase	Delay
2	0	-
128	2	-

OVERLAP PROGRAMMING

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

Web Interface
Home >Controller >Overlap Configuration >Overlaps

Overlap Plan 1

Overlap	1	2	3	4
Type	-	-	FYA 4 - Section	-
Included Phases	-	-	6	-
Modifier Phases	-	-	5	-
Trail Green	-	-	0	-
Trail Yellow	-	-	0.0	-
Trail Red	-	-	0.0	-

LOGIC PROCESSOR PROGRAMMING

Front Panel
Main Menu >Controller >More >User Programs >Definition

Web Interface
Home >Controller >User Programs Configuration >User Programs Definition

Program 1

Statement	Result	Index	Operation	Parameter A	Index	Parameter B	Index	Delay	Ext
1	Vehicle Detector Call	128	Result=IA	Vehicle Detector Input	2	None	0	0.0	0.0

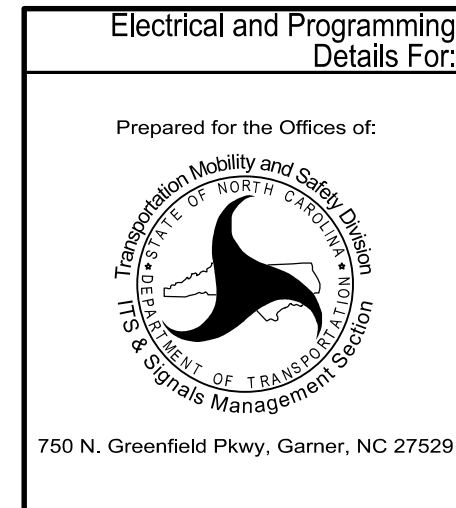
LOGIC STATEMENT DESCRIPTION

Statement 1 Description: If a call is present on vehicle detector 2, do not place a call on vehicle detector 128. If no call is present on vehicle detector 2, place a call on vehicle detector 128.

* Vehicle Detector 128 = Logical Detector for microwave detection zone.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1948
DESIGNED: Jan 2023
SEALED: 3/10/2023
REVISED:

Final Design
Electrical Detail - Sheet 2 of 2



US 158/ NC 14 at US 29 Northbound Ramps	
Division 7	Rockingham County
Reidsville	
PLAN DATE: January 2023	REVIEWED BY: H M Surti
PREPARED BY: A Ravigati	REVIEWED BY:
REVISIONS	INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
JOSEPH M. SURTI
PROFESSIONAL ENGINEER
STATE OF NORTH CAROLINA
LICENSE NO. 034481
DocuSigned by:
Joseph M. Surti 3/10/2023
SIG. INVENTORY NO. 07-1948

3/10/2023 10:44:00 AM C:\Users\paw.bentl\ey-com\AECOM\B21_NA_2020\Documents\60581578-NCDDT-SMI_BR-0043\300-CAD_0154910-CAD\70-NCDDT-TIP\45\Signal\sm\ele_2023\XXX.dgn Detail: s_2023\MAXTIME_3-10-23\4071948_sm_ele_2023\XXX.dgn