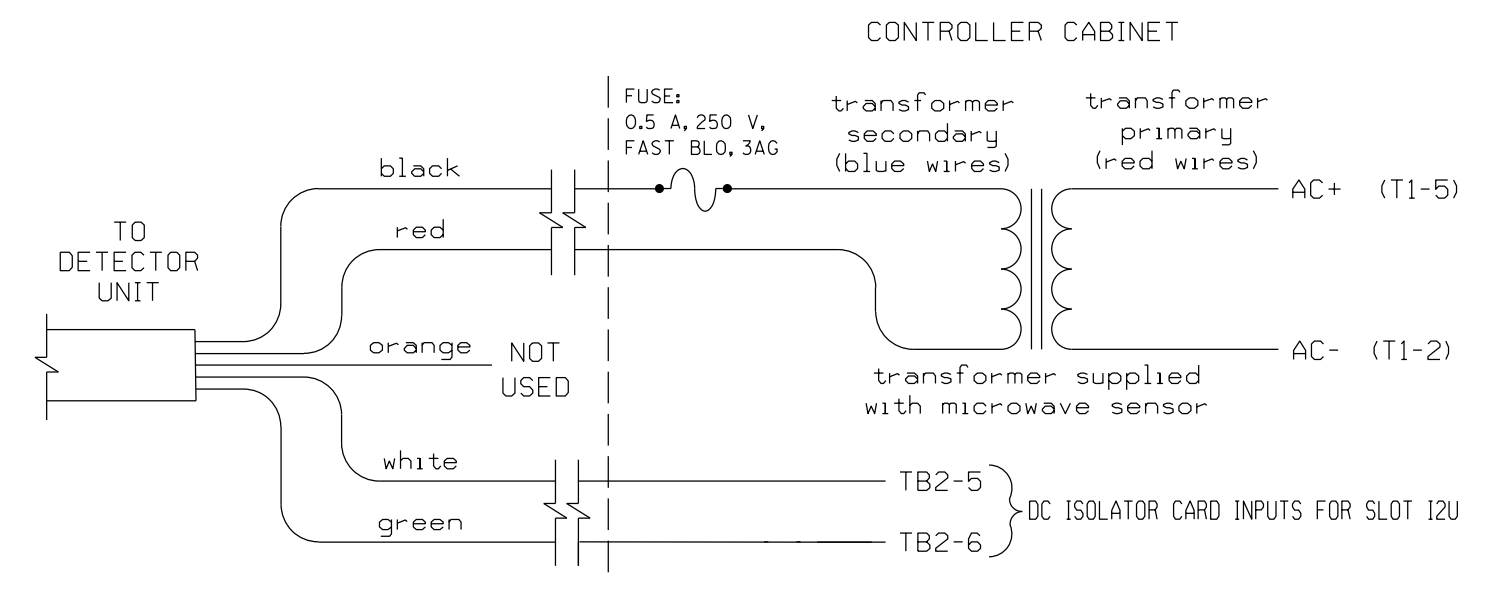


MICROWAVE DETECTOR WIRING DETAIL (2A)

(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 I2.

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	-

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=!A	Vehicle Detector Input	2	None	0	0.0	0.0

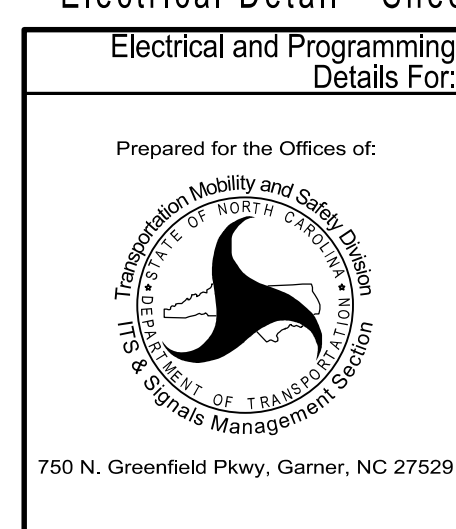
LOGIC STATEMENT DESCRIPTION

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: 07-1675
DESIGNED: Jan 2023
SEALED: 3/10/2023
REVISED:

Final Design
Electrical Detail - Sheet 2 of 4



Electrical and Programming Details For:		SR 2817 (Barnes Street) at US 29 NB Ramps	
Prepared for the Offices of:	Division 7	Rockingham County	Reidsville
PLAN DATE: January 2023	REVIEWED BY: H M Surti	PREPARED BY: A Ravigpati	REVIEWED BY:
REVISIONS	INIT.	DATE	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
H. Wang M. Surti
3/10/2023
SIG. INVENTORY NO. 07-1675

3/10/2023 10:45:00 AM C:\Users\paw.bent\OneDrive\Documents\60581577-NCDDT-SMU-BR-0041-300-CAD-0154910-CAD\70-NCDDT-TIP\45\Signal\0051\gme\electrical\Detail\2022\MAXTIME_3-10-23\4071675_sm.ele_2022XXX.dgn