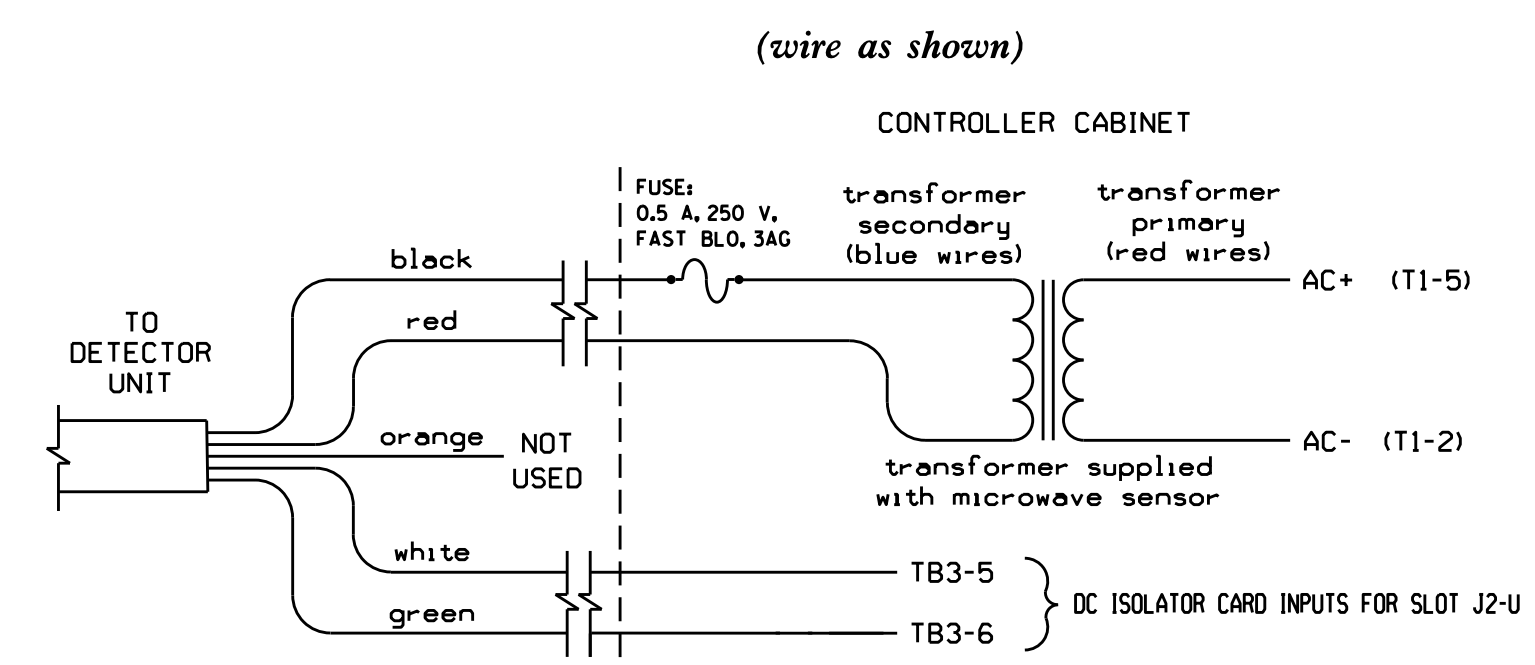


TYPICAL MICROWAVE DETECTOR WIRING DETAIL



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

- NOTES:
- Sensor is a microwave motion detector mounted on poles as indicated on the Signal Design Plans.
 - Microwave wiring shown above will cause a permanent call unless the Input Assignment Programming on this sheet and the Logical I/O Processor Programming details shown on sheet 2 are entered as shown. 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 TB3-5, TB3-6, TB3-7, and TB3-8 and insert 242 DC Isolator in slot J2.

INPUT ASSIGNMENT PROGRAMMING DETAIL FOR MICROWAVE DETECTOR INPUT

(program controller as shown below)

FROM MAIN MENU PRESS '5' (INPUTS), THEN '+' UNTIL INPUT 2 (PIN 40) IS REACHED. MODIFY DEFAULT CONDITIONS AS INDICATED BY ARROWS.

```

PAGE: 1 C1 PIN:40 NOT ENABLED
INPUT ASSIGNMENT #.....2
DEBOUNCE TIME (0-25.5 SEC).....0.5
DELAY TIME (0-25.5 SEC).....0.0
HOLD-OVER TIME (0-25.5 SEC).....0.0
ASSIGNMENT SELECTION:
NOT ENABLED (Y/N).....Y
VEHICLE DETECTOR (1-64).....-
PEDESTRIAN DETECTOR (1-16).....-
ALTERNATE PED DETECTOR (1-16).....-
PREEMPT (1-10).....-
INVERTED PREEMPT (1-10).....-
STOP TIME (Y/N).....-
FLASH SENSE (Y/N).....-
DOOR OPEN (Y/N).....-
MANUAL CONTROL ENABLE (Y/N).....-
MANUAL CONTROL ADVANCE (Y/N).....-
SPECIAL FUNCTION ALARM (1-8).....-
TOD HOUR SYNCHRONIZATION (0-23).....-
FORCE OFF RING (1-4).....-
HOLD PHASES (1-16).....-
PLAN (65=FLSH,66=FREE)..- OFFSET#..-
CHANGE PHASE SEQUENCE PAGE (1-12)...-
CHANGE PHASE TIMING PAGE (1-4).....-
CHANGE PHASE CONTROL PAGE (1-4).....-
CHANGE OVERLAP CONTROL PAGE (1-4)...-
CHANGE INPUT PAGE (1-4).....-
CHANGE OUTPUT PAGE (1-4).....-
OVERRIDE PHASE CONTROL FUNCTION (Y)..-
    
```

ENTER 'YES' for Not Enabled

```

PAGE: 1 C1 PIN:0 VEHICLE DETECTOR
INPUT ASSIGNMENT #.....64
DEBOUNCE TIME (0-25.5 SEC).....0.5
DELAY TIME (0-25.5 SEC).....0.0
HOLD-OVER TIME (0-25.5 SEC).....0.0
ASSIGNMENT SELECTION:
NOT ENABLED (Y/N).....-
VEHICLE DETECTOR (1-64).....6
PEDESTRIAN DETECTOR (1-16).....-
ALTERNATE PED DETECTOR (1-16).....-
PREEMPT (1-10).....-
INVERTED PREEMPT (1-10).....-
STOP TIME (Y/N).....-
FLASH SENSE (Y/N).....-
DOOR OPEN (Y/N).....-
MANUAL CONTROL ENABLE (Y/N).....-
MANUAL CONTROL ADVANCE (Y/N).....-
SPECIAL FUNCTION ALARM (1-8).....-
TOD HOUR SYNCHRONIZATION (0-23).....-
FORCE OFF RING (1-4).....-
HOLD PHASES (1-16).....-
PLAN (65=FLSH,66=FREE)..65 OFFSET#..-
CHANGE PHASE SEQUENCE PAGE (1-12)...-
CHANGE PHASE TIMING PAGE (1-4).....-
CHANGE PHASE CONTROL PAGE (1-4).....-
CHANGE OVERLAP CONTROL PAGE (1-4)...-
CHANGE INPUT PAGE (1-4).....-
CHANGE OUTPUT PAGE (1-4).....-
OVERRIDE PHASE CONTROL FUNCTION (Y)..-
    
```

ENTER '6' for Vehicle Detector

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1578
 DESIGNED: March 2014
 SEALED: 4/10/15
 REVISED: N/A

PRESS '-' until Input Assignment #64 is reached

PROGRAMMING COMPLETE

NOTE: This remapping removes the default detector from the microwave's physical input and reassigns it to unused INPUT 64. The Logical I/O Processor Programming Detail on sheet 2 will invert the disabled input and control INPUT 64 and the reassigned detector.

13-APR-2015 08:59
 S:\IT\SS\15\Sig\15\Work\Program\071578_Sig\15\15-xxxx.dgn
 sarmstrong

Electrical Detail - Sheet 3 of 3

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared In the Offices of: 	SR 1113 (E. Kivett Drive) at I-85 Bus./US 29 SB-US 70 WB Ramps		SEAL
	Division 7 PLAN DATE: August 2014 PREPARED BY: S. Armstrong	Guilford County REVIEWED BY: JTR DATE: 4/13/2015	
REVISIONS:			INIT. DATE:

DocuSigned by:
 John T. Rowe, Jr. 4/13/2015
 841D60C145EE4F5
 DATE: 4/13/2015
 SIG. INVENTORY NO. 07-1578