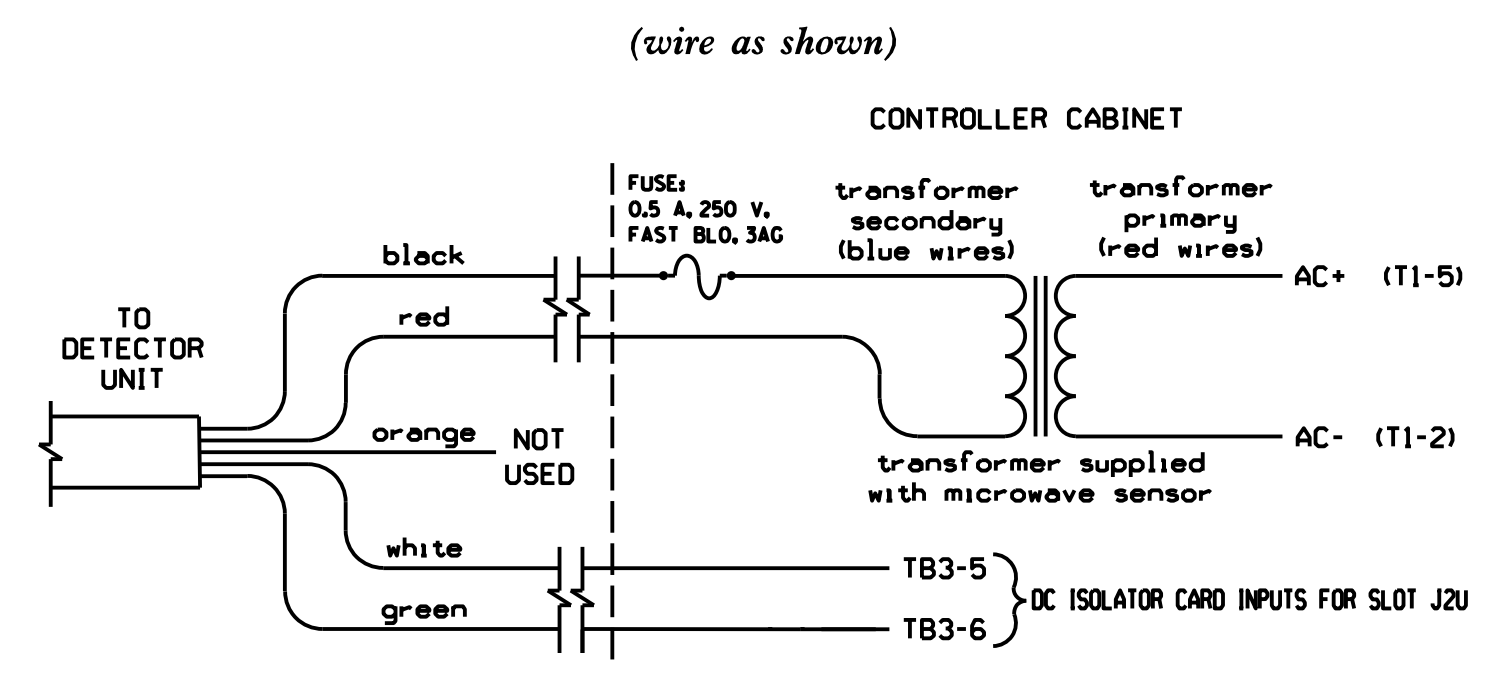


TYPICAL MICROWAVE DETECTOR WIRING DETAIL



TC26B 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

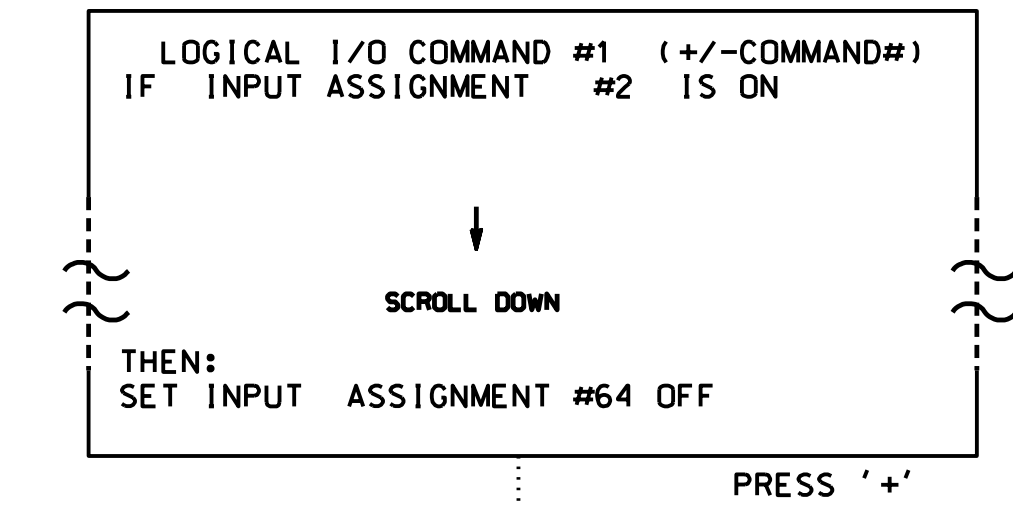
- NOTES:**
- Sensor is a microwave motion detector mounted on a pole as indicated on the Signal Design Plans.
 - Microwave wiring shown above will cause a permanent call unless the Input Assignment Programming and Logical I/O Processor Programming details are entered as shown on this sheet. These programming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

LOGICAL I/O PROCESSOR PROGRAMMING DETAIL TO INVERT INPUT FROM MICROWAVE DETECTOR

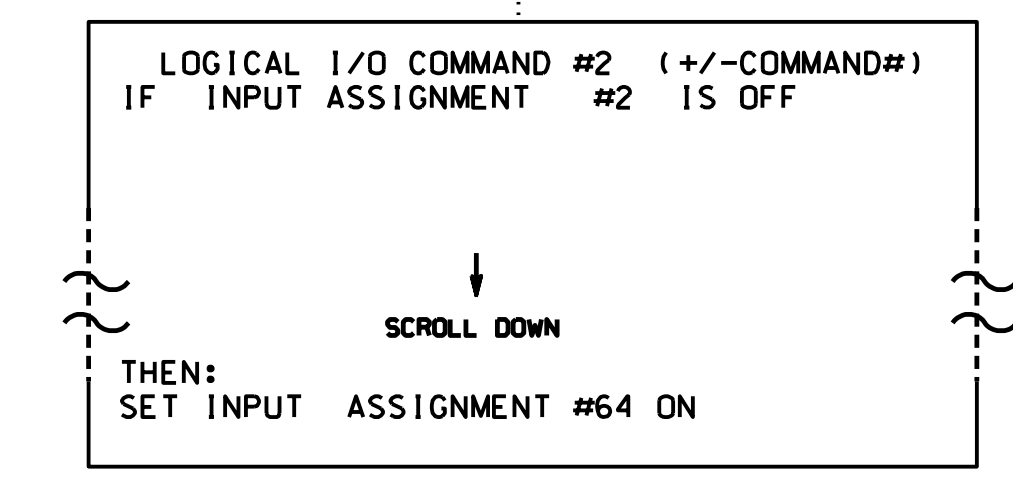
(program controller as shown below)

THE PROGRAMMING SHOWN BELOW WILL INVERT THE INPUT FROM THE MICROWAVE DETECTOR SO A CALL IS PLACED ON THE ASSOCIATED DETECTOR WHEN THE NORMALLY CLOSED OUTPUT OPENS UP.

- FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE ACT LOGIC COMMANDS 1 AND 2.
- FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).



NOTE: TC26B CONTACTS ARE CLOSED, SO NO CALL IS 'DETECTED'.



NOTE: TC26-B CONTACTS ARE OPEN, SO A CALL IS 'DETECTED'.

LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

REFERENCE SCHEDULE

- * INPUT 2 = Microwave Detector Physical Input (Not Enabled)
- * INPUT 64 = Dummy Microwave Detector Input (Detector 6)

* Input Remapped (See programming at left)

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

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 this sheet will invert the disabled input and control INPUT 64 and the reassigned detector.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1624T1
 DESIGNED: May 2018
 SEALED: May 18, 2018
 REVISED: N/A

Temporary Design 1; TMP-6
 Electrical Detail Sheet 2 of 2

Project #: 170908

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ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 68 (Eastchester Drive)
 at
 I-74 EB/ US 311 SB Ramps

Division 7 Guilford County High Point

PLAN DATE: May 2018	REVIEWED BY: L. Boyer
PREPARED BY: A. Ravipati	REVIEWED BY: R. Hinshaw
REVISIONS	INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 R. ROYAL HINSHAW

DocuSigned by:
 R. Royal Hinshaw
 05/18/2018

SIGNATURE DATE

SIG. INVENTORY NO. 07-1624T1