



WSDOT Test Method T 427

Test Method for Loop Amplifier Testing Procedure

1. Scope

This test method is intended to evaluate operation of individual loop amplifiers that are included with the traffic controller cabinet.

2. Reference Documents

WSDOT *Standard Specification* 9-29.13

NEMA Publication TS-1

3. Safety

Use proper equipment and training to reduce the risk of electrical shock

4. Apparatus

Loop Detector Sensitivity Tester.

5. Procedure

Perform the following tests per manufacturer's instructions.

- a. Loop Amplifier Tests:
- b. Maximum Sensitivity Check
- c. Sustained Presence Check
- d. Sustained Presence Recovery Check
- e. Pulse Check
- f. Second Vehicle Check
- g. Delay Check
- h. Extension Check

6. Report

Record any response found to be in disagreement with the published standards. Report pass or fail and any corrective actions taken on the test report.

Performance Exam Checklist

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Participant Name _____

Exam Date _____

Procedure Element

Yes No

- 1. Maximum Sensitivity Check
- 2. Sustained Presence Check
- 3. Sustained Presence Recovery Check
- 4. Pulse Check
- 5. Second Vehicle Check
- 6. Delay Check
- 7. Extension Check

First Attempt: Pass Fail

Second Attempt: Pass Fail

Signature of Examiner _____

Comments:

