
Class No: 3305-02, 3305-82 GAS ACCESSORY DEVICES – Automatic Shutoff-Water Heaters

Who is affected?
Manufacturers of Automatic Gas Shutoff Devices for Hot Water Supply Systems

What do you do?
1. Testing may be required to comply with these revisions. Please contact CSA engineering staff to arrange for testing of your products.
2. If none of the revisions are applicable to your product designs, please notify your CSA engineering staff or the listed Technical Contact to update your Certification Reports to reflect compliance with the revisions.
3. Please respond no later than July 12, 2004. When responding, please include the appropriate supporting documentation*. If testing is needed, we will inform you of the samples required.

*Technical information and materials as well as company name, address, factory locations and CSA file number or master contract number (if assigned) when applying.

Apply before July 12, 2004

Approvals:
- American National Standards Institute, Inc. on May 3, 2004
- Interprovincial Gas Advisory Council (IGAC) on April 17, 2003:
  - The revisions in this standard supersede any corresponding provisions of ANSI Z21.87-1999•CSA 4.6-1999, and are identical to the coverage from the yellow review and comment text dated March 2002 distributed during that period, and “Appendix C” to the October 24, 2003 joint technical advisory group meeting.

Major Revisions:
See Attachment 1

Need additional technical information?
Contact John Gorman
by phone (216) 524-4990, fax (216) 642-3081
or e-mail john.gorman@csa-international.org

In the event your models do not comply with the effective standards, arrangements must be made to bring them into compliance.
In the event we do not receive a response as to your currently certified models, prior to the above applicable effective date(s), the certification of such models will be discontinued.

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ATTACHMENT 1

Revisions to the automatic gas shutoff devices for hot water supply systems standard, Z21.87•CSA 4.6:

1. Revise 1.1.1 to clarify the use of the word “device” in the proposed revisions.

2. Add 1.2.7 to reference the standard for Thermistor Type Devices, UL 1434.

3. Revise 1.3-c to properly cover minimum/maximum ambient temperatures and to be consistent with Z21.20.

4. Add 1.3-h to properly evaluate safety-related software incorporated in an automatic gas shutoff device.

5. Add 1.4, Materials, to address polymeric enclosures.

6. Add 2.5.2, 2.6, Safety Circuit Analysis, 2.7 Effects of Voltage Variation, 2.8, Current Input, 2.9 Transient Voltage, and 2.10 Effects of Humidity Variation, to properly evaluate an automatic gas shutoff device incorporating electronic circuitry.

7. Add A.1.1-b to properly address an automatic gas shutoff device incorporating electronic circuitry.

8. Reorganize portions of Exhibit A and reword relocated coverage to be consistent with Z21.20.

9. Add A.1.2-c, A.1.2-f and A.1.2-g to properly address automatic gas shutoff devices incorporating electronic components.

10. Add A.1.3-b and A.1.3-c to properly address automatic gas shutoff devices incorporating electronic components.

11. Add A.1.4-a, A.1.4-b and A.1.4-c to properly address automatic gas shutoff devices incorporating electronic components.

12. Add coverage to A.1.6, Switches, A.1.7, Transformers, and A.1.8, Spacings, to properly address automatic gas shutoff devices incorporating electronic components.

13. Add A.1.9, Alternative to Spacing, to properly address automatic gas shutoff devices incorporating electronic components.
14. Add coverage to A.1.10-b and A.1.11-c to be consistent to with Z21.20.

15. Add coverage to A.1.12, Fuses, to properly address automatic gas shutoff devices incorporating electronic components.


17. Add definition for Circuit to be consistent with Z21.20 and other Z21 control standards.

18. Revise definition for Combination Control to be consistent with the definition in Z21.78.


20. Add definitions for Resistance/Temperature (R/T) Curve, Thermistor, Thermistor, NTC and Thermistor PTC to be consistent with the definitions in UL 1434 for thermistors.