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DOCUMENT

ULC/ORD-C539-15

SINGLE AND MULTIPLE STATION HEAT ALARMS

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FOREWORD

Certification organizations are periodically requested to promptly provide certification services for devices, constructions, materials and systems where Canadian recognized Standards do not currently exist or are not entirely applicable. Accordingly, the certification organization utilizes its experience, existing specifications and requirements in related areas, together with assistance from its advisory councils to develop and prepare Other Recognized Documents (ORDs) for use in conducting the necessary tests and evaluation investigation.

Underwriters Laboratories of Canada has prepared many ORDs in response to requests from, and in conjunction with, industry, code writing bodies, regulatory agencies and others prior to promulgating a certification program. In many instances such documents have become published ULC Standards and subsequently National Standards of Canada. It is the intention of Underwriters Laboratories of Canada to continue this practice, as appropriate.

Comments on the content of this ORD should be directed to the Head Office of Underwriters Laboratories of Canada, 7 Underwriters Road, Toronto, Ontario, CANADA, M1R 3A9.

NOTE: These Other Recognized Documents are accepted under the National Standards System of Canada. Reference may be made to the Document CAN-P-3, ″General Requirements for Bodies Operating Product Certification Systems”; and CAN-P-1500, “Additional Requirements for Accreditation of Certification Bodies″, published by the Standards Council of Canada located at 270 Albert Street, Suite 200, Ottawa, Ontario, CANADA, KIP 6N7.

SINGLE AND MULTIPLE STATION HEAT ALARMS

PREFACE

This is the First Edition of the Other Recognized Document ULC/ORD-C539, Standard for Single and Multiple Station Heat Alarms.

Only metric SI units of measurement are used in this ORD. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

Appendix A and C, identified as normative, forms a mandatory part of this ORD.

Appendix B, identified as informative, is for informational purposes only.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

Attention is drawn to the possibility that some of the elements of this ORD may be the subject of patent rights. ULC Standards shall not be held responsible for identifying any or all such patent rights.

Requests for interpretation of this ORD should be sent to the ULC Mark Program Owner of Underwriters Laboratories of Canada. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

This ORD is intended to be used for conformity assessment.

1 SCOPE

1.1 These requirements cover heat-actuated, single and multiple station heat alarms intended for indoor and unconditioned space installation as recommended in the end product installation instructions and in accordance with the following:

a) National Building Code of Canada, and

b) National Fire Code of Canada

1.2 These requirements do not cover electrically operated single or multiple station smoke alarms.

2 Reference Publications

2.1 The documents shown below are referenced in the text of this ORD. Unless otherwise stated elsewhere in this Standard such reference shall be considered to indicate the edition and/or revisions of the document available at the date on which the Committee approved this ULC Standard.

Documents Published by the American Society for Testing and Materials (ASTM)
100 Barr Harbour Drive, PO Box C700, West Conshohocken, PA 19428-2959 U.S.A.
Telephone: (610) 832-9585
www.astm.org

• ANSI/ASTM E230/E230M-12, Specification and Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples
• ASTM B117-11, Standard for Salt Spray (Fog) Testing

Documents Published by CSA Group
5060 Spectrum Way, Suite 100, Mississauga, Ontario L4W 5N6 Canada
Telephone: 1-800-463-6727, Fax: (416) 747-2473 www.csa.ca

• CSA C22.1-12, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations
• CSA C22.2 No. 17-00 (R2013), Standard for Evaluation of Properties of Polymeric Materials

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Documents Published by the Department of Defense (DoD)
700 Robbins Avenue, Building 4D, Philadelphia, PA 19111–5094 U.S.A.
http://assist.daps.dla.mil

• MIL-HDBK-217F(2) – February 28, 1995Reliability Prediction of Electronic Equipment
• MIL-STD-750E – January 3, 2012Test Methods for Semiconductor Devices
• MIL-STD- 883B – February 26, 2010Test Methods for Microcircuits

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