AMERICAN NATIONAL STANDARD

ANSI/ISA-12.00.02-2009 (R2014)

Certificate Standard for AEx Equipment for Hazardous (Classified) Locations

Approved 29 August 2014

ANSI/ISA-12.00.02-2009 (R2014)
Certificate Standard for AEx Equipment for Hazardous (Classified) Locations

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UL Certificate Standard for AEx Equipment for Hazardous (Classified) Locations, ANSI/UL 120002

First Edition, Dated 29 August 2014

Summary of Topics

Adoption of ANSI/ISA-12.00.02, Certificate Standard for AEx Equipment for Hazardous (Classified) Locations as an ANSI/UL 120002, First Edition to reflect the reaffirmation of ANSI approval. No changes in requirements have been made.

As noted in the Commitment for Amendments statement, UL and ISA are committed to updating this co-designated standard jointly after processing according to the standards development procedures by UL.

The revisions are substantially in accordance with Proposal(s) on this subject dated 27 June 2014.

The requirements in this Standard are now in effect, except for those paragraphs, sections, tables, figures, and/or other elements of the Standard having future effective dates as indicated in the preface. The prior text for requirements that have been revised and that have a future effective date are located after the Standard, and are preceded by a ″SUPERSEDED REQUIREMENTS″ notice.

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ISA – The International Society of Automation
ANSI/ISA-12.00.02-2009 (R2014)
First Edition

Underwriters Laboratories Inc.
ANSI/UL 120002
First Edition

Certificate Standard for AEx Equipment for Hazardous (Classified) Locations

29 August 2014

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Commitment for Amendments

This Standard is issued jointly by ISA and Underwriters Laboratories Incorporated (UL). Comments or proposals for revisions on any part of the standard may be submitted to ISA or UL at any time.

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The most recent designation of ANSI/ISA-12.00.02 as a Reaffirmed American National Standard (ANSI) occurred on 29 August 2014.

This ANSI/UL Standard for Safety consists of the First Edition. The most recent designation of ANSI/UL 120002 as a Reaffirmed American National Standard (ANS) occurred on 29 August 2014. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaboration Standards Development System (CSDS) at http://csds.ul.com.

The purchase UL Standards, visit Comm 2000 at http://www.comm-2000.com/help/how_to_order.aspx or call toll-free 1-888-853-3503.

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General Notes

This is the common ISA and UL Standard for the Certificate Standard for AEx Equipment for Hazardous (Classified) Locations. It is the first edition of ANSI/ISA-12.00.02 and the first edition of ANSI/UL 120002. The document is a modification of the ISA document to create the equivalent UL version and maintain the ANSI approval of this standard.

ANSI/ISA-12.00.02 and ANSI/UL 120002 contain identical requirements, and identical publication dates.

This common Standard was prepared by ISA – The International Society of Automation on 1 May 2009, but is now being maintained by Underwriters Laboratories (UL).

Note: Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.

UL Effective Date

The requirements in this standard are effective 29 August 2014.

A UL effective date is one established by Underwriters Laboratories Inc. and is not part of the ANSI approved standard.

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Preface ISA

This preface, as well as all footnotes and annexes, is included for information purposes and is not part of ANSI/ISA-12.00.02-2009 (R2014).

This document has been prepared as part of the service of ISA towards a goal of uniformity in the field of instrumentation. To be of real value, this document should not be static but should be subject to periodic review. Toward this end, the Society welcomes all comments and criticisms and asks that they be addressed to the Secretary, Standards and Practices Board; ISA; 67 Alexander Drive; P. O. Box 12277; Research Triangle Park, NC 27709; Telephone (919) 549-8411; Fax (919) 549-8288; E-mail: standards@isa.org.

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Foreword ISA

There are two annexes in this standard. Annexes A and B are informative and are not considered part of this standard.

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1 Scope

This standard defines minimum elements and format for certificates for AEx equipment to align with those for the IECEx Certificate of Conformity.

NOTE 1 — This standard may be used for other than AEx equipment such as Division equipment which includes protection techniques including but not limited to explosion proof and dust ignition proof.

NOTE 2 — Listing indicates that equipment has been evaluated against and meets the requirements of specific standards. Certificates offer an added benefit of providing documentation that will enable users to understand the models certified, the applicable standards, the effective date, and any specific conditions of use.

NOTE 3 — Certificates are frequently requested by, and used by, end users or installers of equipment in order to document the suitability of equipment to the AHJ.

2 Definitions

2.1 AEx equipment:
equipment determined to comply with the applicable requirements in ANSI/ISA-60079-0 or ANSI/ISA-61241-0 and intended for use in hazardous (classified) locations. (See Scope Note 2.)

2.2 certificate:
document that assures the conformity of a product, process, system, person, or organization with specified requirements.

NOTE 1 — The certificate may be either the supplier's declaration of conformity, or the purchaser's recognition of conformity or certification (as a result of action by a third party) as defined in ISO/IEC 17000.

NOTE 2 — "Certification" is a conformity assessment by a third party which results in listing or labelling, whereas a "certificate" may be prepared by a first, second, or third party.

2.3 type of protection:
specific measures applied to electrical equipment to minimize the risk of ignition of a surrounding explosive atmosphere.

2.4 manufacturer:
an organization, situated at a stated location or locations, that carries out or controls such stages in the manufacture, assessment, handling and storage of a product that enables it to accept responsibility for continued compliance of the product with relevant requirements and undertakes all obligations in that connection.