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AUTOMATIC BURNER CONTROL SYSTEMS FOR OIL BURNERS

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EUROPEAN STANDARD

NORME EUROPÉENNE

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EN 230

June 2005

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Supersedes EN 230:1990

English version

Automatic burner control systems for oil burners

Systèmes automatiques de commande et de sècurité pour brûleurs à fioul

Feuerungsautomaten für Ölbrenner

This European Standard was approved by CEN on 14 February 2005.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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Foreword

This document (EN 230:2005) has been prepared by Technical Committee CEN/TC 47 “Atomizing oil burners and their components-Function-safety-testing”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2005, and conflicting national standards shall be withdrawn at the latest by June 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 230:1990.

According to edition 1990 the following fundamental changes are carried out:

— protection against environmental influences;

— additional requirements for complex electronics.

— the structure and wherever possible the definitions and requirements are taken over from EN 298:2003-09.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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Introduction

Whilst this document is written primarily for Automatic Oil Burner Control Systems used on or in appliance for cooking, heating, hot water production, refrigeration, lighting or washing and having, where applicable, a normal water temperature not exceeding 105 °C, it may be usefully quoted, as a whole or in part, by standards for other equipment.

The functional characteristics of the automatic burner control systems, programming units, and their associated flame detector devices, in so far as they are not laid down in this document, are given by the standards for the appliances for which the automatic burner control systems are intended.

This document deals with immunity aspects of Electromagnetic Compatibility (EMC) only. Since automatic burner control systems are intended for use as an integrated or incorporated part of an appliance, further EMC tests (both immunity and emission) may be required for the intended use.

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