

Automatic electrical controls for household and similar use —

Part 2-3: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps

ICS 29.140.30; 97.120

National foreword

This British Standard is the UK implementation of EN 60730-2-3:2007. It is derived from IEC 60730-2-3:2006. It supersedes BS EN 60730-2-3:1992 which is withdrawn on 1 September 2010.

The CENELEC common modifications have been implemented at the appropriate places in the text. The start and finish of each common modification is indicated in the text by **[C]** **[C]**.

The UK participation in its preparation was entrusted to Technical Committee CPL/72, Electrical control devices for household equipment and appliances.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

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Date	Comments

**Automatic electrical controls for household and similar use -
Part 2-3: Particular requirements for thermal protectors
for ballasts for tubular fluorescent lamps
(IEC 60730-2-3:2006, modified)**

Dispositifs de commande électrique
automatiques à usage domestique
et analogue -
Partie 2-3: Règles particulières
pour les protecteurs thermiques
des ballasts pour lampes tubulaires
à fluorescence
(CEI 60730-2-3:2006, modifiée)

Automatische elektrische
Regel- und Steuergeräte
für den Hausgebrauch
und ähnliche Anwendungen -
Teil 2-3: Besondere Anforderungen
an thermische Schutzeinrichtungen
für Vorschaltgeräte für röhrenförmige
Leuchtstofflampen
(IEC 60730-2-3:2006, modifiziert)

This European Standard was approved by CENELEC on 2007-09-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of the International Standard IEC 60730-2-3:2006, prepared by IEC TC 72, Automatic controls for household use, together with the common modifications prepared by the Technical Committee CENELEC TC 72, Automatic controls for household use, was submitted to the formal vote and was approved by CENELEC as EN 60730-2-3 on 2007-09-01.

This European Standard supersedes EN 60730-2-3:1992 + corrigendum March 2001 + A1:1998 + corrigendum March 2001 + A2:2001 + A11:2005.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2008-09-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-09-01

This Part 2-3 is to be used in conjunction with EN 60730-1:2000 + A1:2004, Automatic electrical controls for household and similar use – Part 1: General requirements, and any subsequent amendments.

This Part 2-3 supplements or modifies the corresponding clauses in EN 60730-1 so as to convert that publication into the European Standard: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps.

Where this Part 2-3 states "addition", "modification" or "replacement", the relevant requirement, test specification or explanatory matter in Part 1 shall be adapted accordingly.

Where no change is necessary, this Part 2-3 indicates that the relevant clause or subclause applies.

In this publication, the following print types are used:

- Requirements proper: in roman type.
- *Test specifications: in italic type.*
- Explanatory matter: in smaller roman type.

Subclauses, notes, items or figures which are additional to those in Part 1 are numbered starting from 101, additional annexes are lettered AA, BB, etc.

Endorsement notice

The text of the International Standard IEC 60730-2-3:2006 was approved by CENELEC as a European Standard with agreed common modifications.

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AUTOMATIC ELECTRICAL CONTROLS FOR HOUSEHOLD AND SIMILAR USE –

Part 2-3: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps

1 Scope and normative references

This clause of Part 1 is applicable except as follows:

1.1 Replacement:

This part of IEC 60730 applies to the evaluation of thermal protectors for ballasts for tubular fluorescent lamps.

This standard applies to thermal protectors using NTC or PTC thermistors, additional requirements for which are contained in Annex J.

Requirements concerning the testing of the combination of ballasts and thermal protectors are given in IEC 61347-1.

1.1.1 This standard applies to the inherent safety, to the operating values, operating times, and operating sequences where such are associated with equipment safety, and to the testing of thermal protectors used to protect ballasts for tubular lamps from overheating.

This standard applies to thermal protectors for ballasts within the scope of IEC 61347-2-8.

Thermal protectors covered by this standard may be suitable for ballasts for other discharge lamps such as ballasts under the scope of IEC 61347-2-9.

Throughout this standard, the word "protector" means "self-resetting thermal ballast protector".

1.1.2 This standard is not applicable to other means used to protect ballasts.

1.1.3 This standard does not apply to a manual device for opening the circuit.

1.2 Replacement:

This standard applies to protectors for use with ballasts for use on a.c. supplies up to 690 V at 50 Hz or 60 Hz.

1.3 Replacement:

This standard does not take into account the response value of an automatic action of a control, if such a response value is dependent upon the method of mounting the control in the equipment. Where a response value is of significant purpose for the protection of the user or surroundings, the value defined in the appropriate household equipment standard or as determined by the manufacturer applies.