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Interested committees:

Title: BS EN IEC 60730-2-24 Automatic electrical controls

Part 2-24: Particular requirements for displacement electrical controls

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

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- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



72/1458/CD

COMMITTEE DRAFT (CD)

PROJECT NUMBER: IEC 60730-2-24 ED1	
DATE OF CIRCULATION: 2024-10-04	CLOSING DATE FOR COMMENTS: 2024-12-27
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IEC TC 72 : AUTOMATIC ELECTRICAL CONTROLS		
SECRETARIAT: United States of America	SECRETARY: Ms Grace Roh	
OF INTEREST TO THE FOLLOWING COMMITTEES:	HORIZONTAL FUNCTION(S):	
ASPECTS CONCERNED: Safety		

This document is still under study and subject to change. It should not be used for reference purposes.

Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Recipients of this document are invited to submit, with their comments, notification of any local regulations or technical reasons that may exist and should be considered should this proposal proceed, recognizing that failure to address such requirements could result in the need for new or existing "In Some Countries" clauses. (SEE [AC/22/2007](#) OR [NEW GUIDANCE DOC](#)).

TITLE:
Automatic electrical controls –Part 2-24: Particular requirements for displacement electrical controls

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

AUTOMATIC ELECTRICAL CONTROLS –

Part 2-24: Particular requirements for displacement electrical controls

FOREWORD

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IEC 60730-2-24 has been prepared by IEC technical committee 72: AUTOMATIC ELECTRICAL CONTROLS. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
XX/XX/FDIS	XX/XX/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is **English [change language if necessary]**.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts of the IEC 60730 series, under the general title: AUTOMATIC ELECTRICAL CONTROL, can be found on the IEC website.

This part 2-24 is intended to be used in conjunction with IEC 60730-1. It was established on the basis of the sixth edition of that standard (2022). Consideration may be given to future editions of, or amendments to, IEC 60730-1.

This part 2-24 supplements or modifies the corresponding clauses in IEC 60730-1, so as to convert that publication into the IEC standard: Particular requirements for displacement electrical controls.

Where this part 2-24 states "addition", "modification" or "replacement", the relevant requirement, test specification or explanatory matter in part 1 should be adapted accordingly.

Where no change is necessary part 2-24 indicates that the relevant clause or subclause applies.

In the development of a fully international standard it has been necessary to take into consideration the differing requirements resulting from practical experience in various parts of the world and to recognize the variation in national electrical systems and wiring rules.

The reader's attention is drawn to the fact that Annex AA and Annex BB list all of the "in-some-country" clauses on differing practices of a less permanent nature relating to the subject of this document.

In this publication:

1) The following print types are used:

- requirements proper: in roman type;
- *test specifications: in italic type;*
- explanatory matter: in smaller roman type.
- Defined terms: **bold type**.

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

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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AUTOMATIC ELECTRICAL CONTROLS –

Part 2-24: Particular requirements for displacement electrical controls

1 Scope

This clause of Part 1 is replaced by the following:

This standard applies to automatic **displacement electrical controls**

- for use in, on, or in association with appliances for household and similar use;

NOTE 101 One of examples is controls used in electrical pressure cookers.

- for pressure cookers, with gross volume up to 25litres, with working pressure over 4 kPa and less than 150 kPa;
- a.c. or d.c. powered controls with a rated voltage not exceeding 240 V a.c. or 210 V d.c. where the d.c. source may be provided by primary batteries or secondary batteries;
- used in, on, or in association with equipment that use electricity;
- that are mechanically or electrically operated, responsive to change of position of point of action.

This standard applies to

- inherent safety of automatic electro-mechanical **displacement electrical controls**;
- functional safety of automatic electro-mechanical **displacement electrical controls**;
- the operating values, operating times, and operating sequences where such are associated with equipment safety.

NOTE 102 Requirements for manual switches not forming part of an automatic control are contained in IEC 61058 series.

NOTE 103 Throughout this document, the word “control” means “**displacement electrical control**”.

This standard specifies the requirements for construction, operation and testing of automatic **displacement electrical controls** used in, on, or in association with equipment.

This standard does not:

- apply to automatic electronic controls
- 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 equipment standard or as determined by the manufacturer shall apply.

NOTE 104 This standard may also apply to **displacement electrical controls** having temperature sensing element(s), in which cases additional requirements may be considered to be necessary. Requirements for temperature sensing controls are included in IEC 60730-2-9.

For more information about guidance to the application of **displacement electrical controls** see Annex AA.

2 Normative references

This clause of Part 1 is applicable.