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IEC 60730-2-11:2019

DRAFT TANZANIA STANDARD

(Draft for comments only)

Automatic electrical controls – Part 2-11: Particular requirements for energy regulators

TANZANIA BUREAU OF STANDARDS

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1 National Foreword

This draft Tanzania Standard has been prepared by the TBS Electrical Equipment Technical Committee, under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This draft Tanzania Standard is identical to the International Standard IEC 60730-2-11:2019 Automatic electrical controls – Part 2-11: Particular requirements for energy regulators, which has been prepared by the International Electrotechnical Commission.

2 Terminology and conventions

Some terminologies and certain conventions are not identical with those used in Tanzania standards; attention is drawn especially to the following: -

1) The comma has been used as a decimal marker for metric dimensions. In Tanzania Standards, it is current practice to use “full point” on the baseline as the decimal marker.

2) Where the words “International Standard(s)” appear, referring to this standard they should read “Tanzania Standard(s)”

CONTENTS

AUTOMATIC ELECTRICAL CONTROLS

Part 2-11: Particular requirements for energy regulators

1 Scope and normative references

This clause of Part 1 is applicable except as follows:

1.1 Scope

Replacement:

In general, this part of IEC 60730 applies to energy regulators for use in, on, or in association with equipment, including energy regulators for heating, air conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc. or a combination thereof.

NOTE These energy regulators can be thermally, mechanically or electrically operated.

This standard applies to the inherent safety, to the operating values, operating times and operating sequence where these are associated with equipment safety, and to the testing of automatic electrical energy regulator devices used in, or in association with, equipment.

This standard is also applicable to energy regulators for appliances within the scope of IEC 60335-1.

Throughout this standard the word “equipment” means “appliance and equipment”.

This standard also applies to automatic electrical energy regulators for equipment that may be used by the public, such as equipment intended to be used in shops, offices, hospitals, farms and commercial and industrial applications.

This standard does not apply to automatic electrical energy regulators designed exclusively for industrial process applications unless explicitly mentioned in the equipment standard.

This standard does not apply to equipment that are specifically within the scope of building automation equipment.

This standard is also applicable to individual energy regulators utilized as part of a control system or energy regulators which are mechanically integral with multi-functional controls having non-electrical outputs.

This standard applies to controls powered by primary or secondary batteries, requirements for which are contained within the standard, including Annex V.

1.1.1 This International 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 automatic electrical control devices used in, or in association with, equipment.

This standard applies to controls using thermistors, see also Annex J.

This standard is also applicable to the functional safety of low complexity safety related systems and controls.