

AS 1852(446)—1988

Australian Standard[®]

**INTERNATIONAL
ELECTROTECHNICAL
VOCABULARY**

**Chapter 446—ELECTRICAL
RELAYS**

This Australian Standard was prepared by Committee TE/13, Symbols, Units & Quantities for Electrotechnology. It was approved on behalf of the Council of the Standards Association of Australia on 15 March 1988 and published on 17 June 1988.

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Confederation of Australian Industry
Department of Administrative Services—Construction Group (Commonwealth)
Department of Defence
Department of Technical and Further Education, N.S.W., Victoria and South Australia
Department of Transport and Communications (Commonwealth)
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PREFACE

This Standard was prepared by the Association's Committee on Symbols, Units and Quantities for Electrotechnology, under the authority of both the Telecommunications and Electronics Standards Board and the Electrical Standards Board to supersede AS 1852(446)—1978.

This Standard is identical with and has been reproduced from IEC 50(446)—1983. Acknowledgement is accordingly made to the International Electrotechnical Commission for this assistance. It should be noted that to avoid misunderstanding between terms, the sections of this edition have been numbered from 11 to 18, whereas the sections of the 1978 edition, were numbered 01 to 08.

This Standard is one of the AS 1852 series of Standards. In the past, this series has consisted of direct endorsements of the IEC 50 series of the International Electrotechnical Vocabulary. In future, newly issued parts of IEC 50, where appropriate, will be issued as Australian Standards, i.e. not endorsements. The full text of the definitions in English, French and Russian has been included as some definitions are considered to be incomplete when produced in one language.

The purpose of the AS 1852 series is to provide a glossary of terms used in electrical engineering. The series lists terms in English, French and Russian, and in some cases Spanish. It is intended that other Australian Standards will refer to AS 1852 and not repeat any definitions.

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Australian Standard

INTERNATIONAL ELECTROTECHNICAL VOCABULARY

CHAPTER 446—ELECTRICAL RELAYS

SECTION 446-11—GENERAL TERMS

446-11-01**relais électrique**

Appareil destiné à produire des modifications soudaines, prédéterminées dans un ou plusieurs circuits électriques de sortie, lorsque certaines conditions sont remplies dans les circuits électriques d'entrée dont il subit l'action.

Notes 1. — Le terme relais doit être utilisé exclusivement dans le sens de relais élémentaire ne comportant physiquement qu'une seule opération logique entre ses circuits d'entrée et ses circuits de sortie.

2. — Le terme relais englobe l'ensemble des composants indispensables à son fonctionnement spécifié.

3. — Pour les applications de protection et d'automatisme associés, le nom de l'opération logique (voir note 1) doit être ajouté au mot relais pour le qualifier. Dans ce cas et selon la fonction spécifiée, définie par les normes ou le constructeur, le relais peut comprendre un relais auxiliaire afin d'accomplir la fonction requise.
Par exemple: relais différentiel, relais d'impédance, relais de déclenchement.

electrical relay

A device designed to produce sudden, predetermined changes in one or more electrical output circuits when certain conditions are fulfilled in the electrical input circuits controlling the device.

Notes 1. — The term relay shall be restricted to a relay unit having a single relaying function between its input circuits and its output circuits.

2. — The term relay includes all the components which are necessary for the specified operation.

3. — For protection and automatic control purposes, the name of the single relaying function (see Note 1) shall be added to qualify the relay. In the case and according to the specified function (defined by the standards or by the manufacturer), the relay may include an auxiliary relay in order to perform as required. Examples: differential relays, impedance relay, tripping relay.

электрическое реле

Аппарат, предназначенный производить скачкообразные изменения в одной или нескольких его выходных электрических цепях, когда выполняются определенные условия во входных электрических цепях, подвергаемых воздействию.

Примечания 1. — Термин «реле» должен использоваться исключительно в смысле элементарного реле, выполняющего физически только одну операцию преобразования между его входными и выходными цепями.

2. — Термин «реле» охватывает все элементы, необходимые для его функционирования.

3. — Для целей релейной защиты и автоматики должно быть добавлено название операции преобразования (см. примечание 1), чтобы охарактеризовать реле. В этом случае в соответствии с предусмотренной функцией (определенной стандартом или изготовителем) реле может включать вспомогательное реле для выполнения требуемой функции.
Например: дифференциальное реле, реле сопротивления, отключающее реле.

446-11-02**relais de tout ou rien**

Relais électrique destiné à être alimenté par une grandeur dont la valeur est soit comprise à l'intérieur de son domaine de fonctionnement soit pratiquement nulle.

all-or-nothing relay

An electrical relay which is intended to be energized by a quantity whose value is either within its operative range or effectively zero.

логическое реле

Электрическое реле, предназначенное возбуждаться величиной, значение которой либо находится в рабочем диапазоне, либо практически равно нулю.

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