

Withdrawn 1 December 1995

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Under revision see Drafts DR97241C and (IN PART)
DR97242C (IN PART)

AS 4024.2(Int)—1992

(Expires 17 August 1994)

SUPERSEDED BY:

AS 4024.2-1998

AS 4024.3-1998

AS 4024.4-1998

AS 4024.5-1998

Interim Australian Standard®

Safeguarding of machinery

Part 2: Presence sensing systems



STANDARDS AUSTRALIA



This Interim Australian Standard was prepared by Committee SF/41, General principles for the safeguarding of machinery. It was approved on behalf of the Council of Standards Australia on 5 May 1992 and published on 17 August 1992.

The following interests are represented on Committee SF/41:

Department of Employment, Vocational Education, Training and Industrial Relations, Queensland

Department of Labour, South Australia

Department of Occupational Health, Safety and Welfare, Western Australia

Ergonomics Society of Australia

Federal Chamber of Automotive Industries

National Occupational Health and Safety Commission

Occupational Health and Safety Authority, Victoria

University of Melbourne

University of New South Wales

WorkCover Authority of New South Wales

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Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

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First published as AS 4024.2(Int)—1992.

**PUBLISHED BY STANDARDS AUSTRALIA
(STANDARDS ASSOCIATION OF AUSTRALIA)
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY NSW
ISBN 0 7262 7516 6**

PREFACE TO AS 4024.2(Int)—1992

This Interim Australian Standard was prepared by the Victorian Occupational Health and Safety Authority and published by Standards Australia using the accredited document method.

This document was originally prepared in Victoria, with the intention of its being referenced in regulations. It has been endorsed by the Standards Australia Committee on General Principles for the Safeguarding of Machinery for adoption as an Interim Australian Standard in order to make it available nationally. The text has been left in the style of the Victorian Occupational Health and Safety Authority. The Committee was aware of numerous editorial and textual inconsistencies within the document.

Because this Interim Standard was prepared by the Victorian Occupational Health and Safety Authority, and the text remains unaltered, references within the text to 'department's', 'authority' and 'enforcing authority' are made. For the purpose of this Standard these references are to be replaced by 'regulatory authority', which is defined as follows:

"a Minister of the Crown, a government department, commission or other authority having power to issue regulations, orders or other instructions having the force of law in respect of any subject covered by this Interim Standard".

Reference is also made to the 'State of Victoria', and for the purpose of this Standard this should be replaced by 'Australia'. Specific reference is also made to the Occupational Health and Safety Act 1985, which is applicable only in Victoria.

Standards Australia invites comment on this Interim Standard from persons and organizations concerned with this subject. The date of expiry for comment is 17 August 1994, at which time this Interim Standard will either be withdrawn or revised in the light of public comment, with the view to the preparation of an Australian Standard, or adoption of the proposed International Standards which are under preparation.

During the life of this document, Committee SF/41 will monitor all comment or field data as and when it is received.

Attention is drawn to the fact that this document is an Interim Australian Standard only and should be regarded as a developmental Standard and hence liable to future alteration.

PREFACE TO VOHSA CODE OF PRACTICE

This specifications document has been prepared by the Occupational Health and Safety Authority (known hereafter as the Authority or OHSA) to supersede the Department of Labour Bulletin 88-14 or any other documentation relative to this topic; and although responsive to the requirements of the Proposed Plant Safety Regulations is not necessarily incumbent to those regulations; being self supportive in their own right.

The document provides the minimum criteria acceptable by the Authority for presence sensing safeguarding systems (known hereafter as PSSS.) which includes pressure sensitive safety devices which encompasses pressure sensitive mats (PSM's) and pressure sensitive strips (PSS's) and their use on plant/machinery in Victoria.

Machinery in the context of this document means being an assembly of linked parts or components, at least one of which moves, with the appropriate actuators, control and power circuits etc, joined together for a specific application, in processing, treatment, moving or packaging of materials.

Machinery within the document also covers an assembly of machines which in order to achieve the same end, are arranged and controlled so that they function as an integral unit.

Where the requirements refer to any tests or similar directives that may be deleterious to the health and safety of persons adequate precautions must be taken to protect those persons.

The content of the document and its technical suitability in no way absolves the designer, manufacture, supplier, installer, repairer, employer, occupier or any other person from any statutory obligation in relation to the health and safety of persons within this State.

The requirements detailed within this document are a compilation of Standards from various sources, in an endeavour to provide comprehensive information for all parties responsive to *The Occupational Health and Safety Act 1985* (or any other legislation).

In addition, for the sake of uniformity, the information introduces the elements of international accepted standards.

The document may be interim, dependent on the completed outcome of the CEN Standards, however in any case may be subject to change from time to time at the discretion of the Occupational Health and Safety Authority and the Tripartite Processes of the Occupational Health and Safety Commission.

The information is gathered from:

- * Department of Labour Bulletin 88-14 Specifications for Photoelectric Guarding Systems.
- * British Standard BS 6491 - 1988 Electro-sensitive Safety Systems for Industrial Machines both Part 1 and Part 2.
- * Health and Safety Executive Guidance Note PM-41. The application of photo electric safety systems to machinery.
- * European Standard - Safety of Machinery Pressure Sensitive Safety Devices - Mats and Floors CEN/TC 114.
- * German proposal - Electro - Sensitive Safety Systems CLC/TC44X

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