

AS 1431

Part 2

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AS 1431, Part 2—1983
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Australian Standard 1431, Part 2—1983

**LOW VOLTAGE SWITCHGEAR AND
CONTROLGEAR—**

**CONTROL SWITCHING
DEVICES (UP TO AND
INCLUDING 650 V a.c. AND
250 V d.c.)**

**Part 2—PARTICULAR
REQUIREMENTS**



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter



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Australian-British Trade Association
Australian Electrical and Electronic Manufacturers Association
Bureau of Steel Manufacturers of Australia
Confederation of Australian Industry
Department of Defence
Department of Defence Support
Electrical Contractors Association of Australia
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AUSTRALIAN STANDARD

**LOW VOLTAGE SWITCHGEAR AND
CONTROLGEAR—**

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INCLUDING 650 V a.c. AND
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AS 1431, Part 2—1983

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PREFACE

This standard was prepared by the Association's Committee on Industrial Switchgear and Controlgear, to supersede—

- AS 1431 Control Switching Devices for Voltages Up to 650 V a.c. and 250 V d.c.
Part 2—1977 Push-button and Related Control Switches (Including Indicator Lights)
Part 3—1977 Rotary Switches
Part 4—1977 Contactor Relays
Part 5—1977 Position Switches
Part 6—1977 Pilot Switches

This standard is a consolidation of the standards listed above and is complementary to AS 1431, Low Voltage Switchgear and Controlgear—Control Switching Devices (Up to and Including 650 V a.c. and 250 V d.c.), Part 1—General Requirements. It is based on the following international standards:

- IEC 73 Colours of Indicator Lights and Push-buttons
IEC 204—1 Electrical Equipment of Machine Tools
Part 1—General Use
IEC 337—2, 2A and 2B Control Switches (Low Voltage Switching Devices for Control and Auxiliary Circuits including Contactor Relays)
IEC 447 Standard Directions of Movement for Actuators which Control the Operation of Electrical Apparatus
ISO/R 369 Symbols for Indications Appearing on Machine Tools
ISO/R 408 Safety Colours

The principal change in the technical content of this standard relates to flashing indicator lights (see Clause 3.5.2) and is based on IEC document 16(Central Office)59.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

for

**LOW VOLTAGE SWITCHGEAR AND CONTROLGEAR—
CONTROL SWITCHING DEVICES
(UP TO AND INCLUDING 650 V a.c. AND 250 V d.c.)**

PART 2—PARTICULAR REQUIREMENTS

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. The standard specifies particular requirements for push-buttons and their related indicator lights, rotary switches, contactor relays, position switches and pilot switches.

1.2 APPLICATION. The control switching devices covered by this standard shall comply with the appropriate requirements of AS 1431, Part 1, and with the following Sections of this standard:

- (a) Push-buttons and related control switches (including indicator lights) Section 3.
- (b) Rotary switches Section 4.
- (c) Contactor relays Section 5.
- (d) Position switches Section 6.
- (e) Pilot switches Section 7.

1.3 REFERENCED DOCUMENTS. The following standards are referred to in this standard:

- AS 1029 Low Voltage Contactors
Part 1—Electromechanical (Up to and Including 1000 V a.c.)*
- AS 1136 Switchgear and Controlgear Assemblies for Rated Voltages Up to 1000 V a.c.
- AS 1202 A.C. Motor Starters (Up to and Including 1000 V)
Part 1—Direct-on-line (Full Voltage) Starters

- AS 1431 Control Switching Devices for Voltages Up to 650 V a.c. and 250 V d.c.
Part 1—General Requirements
- AS 1775 Air-break Switches, Isolators and Fuse-combination Units (Up to and Including 1000 V a.c. and 1200 V d.c.)*
- AS 1939 Classification of Degrees of Protection Provided by Enclosures for Electrical Equipment
- AS 3000 SAA Wiring Rules
- IEC 73 Colours of Indicator Lights and Push-buttons
- IEC 417 Graphical Symbols for Use on Equipment. Index, Survey and Compilation of the Single Sheets
- IEC 447 Standard Directions of Movement for Actuators Which Control the Operation of Electrical Apparatus
- ISO/R 369 Symbols for Indicators Appearing on Machine Tools
- ISO/R 408 Safety Colours.

*In course of revision.