

Australian Standard[®]

Fire sprinkler systems

**Part 1.3: Components—
Water motor alarms**

This Australian Standard was prepared by Committee FP/4, Automatic Sprinkler Installations. It was approved on behalf of the Council of Standards Australia on 28 February 1995 and published on 5 June 1995.

The following interests are represented on Committee FP/4:

Asset Services—Department of Administrative Services
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Chamber of Manufactures
Australian Fire Authorities Council
Australian Fire Protection Association
Australian Water and Sewerage Authorities
Commonwealth Fire Board
CSIRO—Division of Building, Construction and Engineering
Department of Defence
Fire Protection Industry Association of Australia
Institution of Engineers, Australia
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New Zealand Fire Equipment Association
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PREFACE

This Australian Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP/4 on Automatic Sprinkler Installations to be Part 1.3 of AS 4118.

This Standard is the result of a consensus among representatives on the joint committee to produce it as an Australian Standard.

The revisions to AS 2118 include Standards Australia's requirements to keep product and installation Standards separate. When complete the series will comprise:

AS

2118 Automatic fire sprinkler systems

- Part 1: Standard
- Part 2: Wall wetting sprinklers (Drencher)
- Part 3: Deluge
- Part 4: Residential
- Part 5: Domestic
- Part 6: Combined sprinkler and hydrant
- Part 9: Piping support and installation
- Part 10: Approval documentation

4118 Fire sprinkler systems

- Part 1.1: Components — Sprinklers and sprayers
- Part 1.2: Components — Alarm valves (wet)
- Part 1.3: Components — Water motor alarms
- Part 1.4: Components — Valve monitors
- Part 1.5: Components — Deluge and pre-action valves
- Part 1.6: Components — Stop valves and non-return valves
- Part 1.7: Components — Alarm valves (dry)
- Part 1.8: Components — Pressure reducing valves
- Part 1.9: Components — Accelerators and exhausters
- Part 2.1: Piping—General

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STANDARDS AUSTRALIA

Australian Standard
Fire sprinkler systems

Part 1.3: Components—Water motor alarms

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies requirements for the construction and performance of water motor alarms for fire sprinkler systems.

1.2 NEW DESIGNS AND INNOVATIONS Any alternative materials, designs, methods of assembly and procedures that do not comply with specific requirements of this Standard, or are not mentioned in it but give equivalent results to those specified, are not necessarily prohibited. Advice on such matters can be sought from Standards Australia, but the specified approval remains the prerogative of the regulatory authority.

1.3 DEEMED TO SATISFY Any water motor alarm that has been listed and approved by an internationally recognized test and approval body such as—

- (a) Factory Mutual (FM)
- (b) Underwriters Laboratories (UL)
- (c) Loss Prevention Council (LPC)

or has been listed by Scientific Services Laboratory (SSL) in—

SSL Register of Accredited Products
 Fire Protection Equipment

shall be deemed to satisfy the requirements of this Standard.

1.4 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- 1217 Acoustics—Determination of sound power levels of noise sources
- 1217.1 Part 1: Guidelines for the use of basic Standards for the preparation of noise test codes
- 1628 Water supply—Copper alloy gate, globe and non-return valves
- 2484 Fire—Glossary of Terms
- 2484.1 Part 1: Fire tests
- 2484.2 Part 2: Fire protection and firefighting equipment
- 3500 National Plumbing and Drainage Code
- 3500.0 Part 0: Glossary of Terms

1.5 DEFINITIONS For the purpose of this Standard, the definitions given in AS 1628, AS 2484.1, AS 2484.2, AS 3500.0, and that below, apply.

1.5.1 Regulatory authority—a Minister of the Crown, a government department, or other public authority having power to issue regulations, orders, or other instructions in respect of any subject covered by this Standard.