

AS 1851.8 Supplement 1—1990

**Maintenance of fire protection
equipment**

**Part 8—Automatic fire detection
and alarm systems—System
certificates and maintenance
records
(Supplement to AS 1851.8—1987)**

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First published as AS 1851.8 Supp 1—1990.

PREFACE

This supplement was prepared by Standards Australia Committee on Automatic fire detection and alarm systems as a companion document to AS 1851.8—*Maintenance of fire protection equipment Part 8: Automatic fire detection and alarm systems*, AS 1603.4—*Automatic fire detection and alarm systems Part 4: Control and indicating equipment* and AS 1670—*Automatic fire detection and alarm systems—System design, installation, and commissioning*. Reference should be made to these Standards for instructions on how to complete the system certificates and maintenance records in the logbook.

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STANDARDS AUSTRALIA

Australian Standard**Maintenance of fire protection equipment****Part 8—Automatic fire detection and alarm systems—
Supplement No. 1 to AS 1851.8—1987—Systems certificates
and maintenance records****SYSTEM INFORMATION.**

NOTE: These instructions are to be used in conjunction with—

- (a) operator's manual;
- (b) installer's statement(s);
- (c) as-installed drawings;
- (d) detector test records,

to provide a complete description of the installed system and its tested performance at the time of its commissioning into service.

- 1.0 *Ensure that all detectors used in the system are—*
 - 1.1 listed in the operator's manual;
 - 1.2 compatible with the installed AZF particularly that the permitted number of detectors on each circuit is not exceeded; and
 - 1.3 installed in an environment for which they are suitable.
- 2.0 *Check that the a.c. mains power supply for the system has been provided in accordance with AS 3000, and that the isolating switch disconnects all active and neutral conductors.*
- 3.0 *Detector location.*
 - 3.1 Check that detector locations provide adequate protection in accordance with AS 1670.
- 4.0 *Alarm zone circuit.*
 - 4.1 Measure each alarm zone circuit voltage, and current (quiescent, fault, alarm) or other relevant circuit parameters for correct operation and record these in the logbook.
 - 4.2 Insulation resistance of all installation wiring measured in accordance with AS 3000 and all results recorded in the logbook.
- 5.0 *Fault and alarm test.*
 - 5.1 Test each alarm zone facility to ensure that fault and alarm conditions operate as required by AS 1670.
 - 5.2 Confirm all items tested in Item 5.1 above operate as required in AS 1603.4.