



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 822	20-Oct-1994	Number 12	Issue date 1-May-2017	30-Apr-2018
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Product designation

Amtron, Class A series, valve monitoring devices

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Amtron Valve Monitoring Device Pty. Ltd.
Unit 26, 260-264 Wickham Road, MOORABBIN, VIC, AUSTRALIA, 3189

Registrant

Amtron Valve Monitoring Device Pty. Ltd.
Unit 26, 260-264 Wickham Road, MOORABBIN, VIC, AUSTRALIA, 3189

Producer

Amtron Valve Monitoring Device Pty. Ltd.
Unit 26, 260-264 Wickham Road, MOORABBIN, VIC, AUSTRALIA, 3189

Conformance criteria and evaluation

The Amtron, Class A series, valve monitoring devices have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 4118.1.4-1994, 'Fire sprinkler systems - Components - Valve monitors'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. When installing Amtron, Class A series, valve monitoring devices, the supplier's/manufacturers fitment instructions, mounting clips and fasteners must be used to suit that valve type and configuration.
- ii. When appropriately installed and connected, these devices conform with 1.4-1994, 'Fire sprinkler systems - Components - Valve monitors' and meet the Class A valve monitoring requirements of AS 2118.1-1999, 'Automatic fire sprinkler systems - General requirements', Clause 3.4 and AS 2419.1-1994, 'Fire hydrant installations - System design, installation and commissioning', Clause 4.4.5.

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Schedule to Certificate of Conformity

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Producer's description

The Amtron, Class A series, valve monitoring devices are designed to initiate a signal at appropriate supervisory equipment to indicate whether a valve is open or closed. The device includes a number of security measures which are intended to prevent removal or disconnection of the valve monitor without causing indication at the supervisory equipment. The most common valves to which the valve monitoring devices can be fitted are outside screw and yoke valve, indicator gate valve, sluice valve, butterfly valve and alarm cock (lock open or closed).

The valve monitoring devices are available in an injection-moulded, flame retardant, ultra-violet resistant polyester or silicon bronze casings. The operating components are hermetically sealed within a shock resistant potting compound.

A range of models (refer Technical Specification) are available with different features depending upon the proposed application and system requirements.

Specifically designed stainless steel mounting clips and fasteners are provided for mounting the device onto suitable valve equipment.

Technical specification

The following details are a representative extract of the technical specification for the Amtron, Class A series, valve monitoring devices and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Model	Casing	Self indicating LED	Provision of FIP interface / addressable device
101 ⁽¹⁾	Thermoplastic	No	No
102 ⁽²⁾	Thermoplastic	Yes	No
501 ⁽¹⁾	Thermoplastic	No	Yes
502 ⁽²⁾	Thermoplastic	Yes	Yes

1. Intended for use with voltage free type applications. One device per circuit.
2. A latching mechanism maintains the device in alarm, enabling the LED identification of the specific valve monitor in alarm on circuits containing multiple devices.

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

Maximum working voltage:	30 Vdc / 30 Vac
Minimum working voltage:	21 V
Maximum current rating:	200 mA
Quiescent current (N/O contacts):	Nil
Alarm current/voltage:	24 V @ 30 mA

Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report	XB1299/R1	Assessment of Amtron Models 101 & 102 Valve Monitors	Aug-1994	Scientific Services Laboratory, AU
	F565/R1	Testing of Amtron Valve Monitor Control Circuit	Oct-1991	
	F394/R1	Compliance Testing of Amtron Valve Monitoring Devices	Aug-1990	