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Certificate of Conformity

Certificate num.	Registration date	Version Number	Version Issue date	Valid until	Page 1 of 2
afp - 2323	26-May-2009	16	29-Apr-2021	30-Apr-2022	

Product designation

Pertronic, Models M400KA and M400KR, manual call points

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

Agent/distributor

Pertronic Industries Pty Limited
Unit B2, Hallmarc Business Park, 2A Westall Road, SPRINGVALE, VIC, AUSTRALIA, 3171

Registrant

Xi'an System Sensor Electronics, Ltd
28 Tuan Jie South Road, Xi'an Hi-tech Development Zone, XI'AN, SHAANXI, CHINA, 710075

Producer

Xi'an System Sensor Electronics, Ltd
28 Tuan Jie South Road, Xi'an Hi-tech Development Zone, XI'AN, SHAANXI, CHINA, 710075

Conformance criteria and evaluation

The Pertronic, Models M400KA and M400KR, manual call points have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.5-1996, 'Automatic fire detection and alarm systems - Manual call points' incl. Amdt 1 (August 1998).

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. The MCP is not used in environments likely to become wet or exposed to the weather, and

ii. The working temperature range of the MCP is 0°C to +50°C.

iii. Compatibility of this device with new or existing control and indicating equipment should be verified prior to installation.

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 artides 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.

Issued by

David Whittaker
Executive Officer – ActivFire Scheme

Schedule to

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Certificate num.	Registration date	Version		Valid until	Page **2** of **2**
		Number	Issue date		
afp - 2323	26-May-2009	16	29-Apr-2021	30-Apr-2022	

Producer's description

The Pertronic, Models M400KA and M400KR, manual call points are designed for use in fire detection and alarm systems. Actuation is achieved by the breaking of the frangible element. This action initiates an alarm state at the control and indicating equipment (CIE).

The design of the Pertronic, Models M400KA and M400KR, manual call points consist of a frangible element 1.75 mm thick glass and micro-switch enclosed in a plastic cover moulding. When actuated, the frangible element breaks physical contact with the micro-switch causing the micro-switch to change state and initiate an alarm condition at the CIE. They can be reset to a quiescent state by replacing the frangible element and subsequent resetting at the CIE.

Other features include a key test facility that is used to simulate an alarm state.

Technical specification

The following details are a representative extract of the technical specification for the Pertronic, Models M400KA and M400KR, manual call points and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Operating temperature range:	0°C to +50°C
Operating humidity range:	5 % to 95 % R.H (non condensing)
Operating voltage:	15 - 30 Vdc
Alarm current:	Model M400KA .....2 A (maximum) Model M400KR .....200 mA (maximum)
Dimensions:	87 mm (high) x 87 mm (wide) x 44.5 mm (deep)

Supplementary information

The Pertronic, Models M400KA and M400KR, manual call points are mounted on a "Call point holder" System Sensor, drg. no. H54-520-01C, iss. A, dated 10/11/03