CSIRO Verification Services
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http://www.activfire.gov.au/

Certificate of Conformity

Certificate num.	Registration date	Version Number	Version Issue date	Valid until	
afp - 1581	11-Mar-2003	13	26-Apr-2019	30-Apr-2020	Page **1** of **2**

Product designation

FFE, CodeRed Series II, alarm signalling equipment

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

Agent/distributor

Chubb Fire & Security Pty Ltd
314 Boundary Road, DINGLEY, VIC, AUSTRALIA, 3172

Registrant

Chubb Fire & Security Pty Ltd
314 Boundary Road, DINGLEY, VIC, AUSTRALIA, 3172

Producer

Mobilesoft (Aust) Pty Ltd
Suite 2, 27-35 Grosvenor Street, NEUTRAL BAY, NSW, AUSTRALIA, 2089

Conformance criteria and evaluation

The FFE, CodeRed Series II, alarm signalling equipment has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 4428.6-1997, 'Fire detection, warning, control and intercom systems - Control and indicating equipment - Alarm signalling equipment'.

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. It is mounted inside or adjacent to a FIP complying with AS 4428.1-1998,

ii. It is used with an AS 4428.1-1998 or external AS 4428.5-1998 compliant power supply unit, and

iii. The CPU J650 board must be fitted with the following components;
   a. 36 V Bi-directional 500W transient voltage suppressor (D24, D25, D26 & D27).
   b. 42 V Bi-directional 0.8 J transient voltage suppressor (D29 & D23).
   c. 18 V Bi-directional 0.8 J transient voltage suppressor (D22 & D28.

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.

Issued by

David Whittaker
Executive Officer – ActivFire Scheme

Schedule to

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Producer's description

The FFE, CodeRed Series II, alarm signalling equipment is a microprocessor based alarm signalling equipment which provides an interface between a building fire alarm system and an alarm monitoring network using a primary link and a secondary link. The Communication Link is a PSTN dialler line that utilises a dial-up connection to transmit alarm signals. The FFE, CodeRed Series II, ASE is a self contained monitoring and signalling device with a monitored primary PSTN (public switched telephone network) line which is always used to send alarm, fault and isolate messages. A monitored secondary PSTN line is also provided and used if the primary line has failed, providing the ASE with a redundant communications link. The modem operates by using V34 data transmission mode when connected to the Public Switched Telephone Network (PSTN) line. The modem also allows DTMF (Dual Tone Mixed Frequency) dialling to be conducted on the PSTN line. A relay is used to select whether primary or secondary PSTN is connected to the modem as there is only one modem. The line used is indicated by the LED on the facia of the ASE. The ASE facia display featured one switch (ASE isolate/Test) and fifteen LED status indicators.

The FFE, CodeRed Series II, ASE used the ADAPT communication protocol for both the links and is compatible with FFE Monitoring Station. The CodeRed Series II ASE can monitor up to four fire detection and alarm systems with three monitored digital inputs (alarm, fault and isolate) in each system. These digital inputs can be switch selected for normally closed or open contact signal operation.

The FFE, CodeRed Series II, ASE features an iButton access key reader which allows authorised personnel to place and configure ASE's in isolate or test mode. It has an in-built 12 volt switched mode supply assembly which is energised by an AS 4428.5 compliant power supply unit (PSU) or CIE power supply, which also provide a power source for four 0.5 A (max) signal outputs (alarm, fault, isolate and combined primary/secondary PSTN line fault).

Technical specification

The following details are a representative extract of the technical specification for the FFE, CodeRed Series II, alarm signalling equipment and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Electrical:

Input voltage range:	9 to 35 Vdc
Operating mode:	150 mA @ 24 Vdc (typical)
Input protection:	Reverse polarity protected with series diode
Output sink current:	500 mA
Battery backup requirements:	3.6 Ah

Environment:

Operating temperature:	0°C to +55°C
Humidity tolerance:	0 to 95% RH (Non-condensing) at 40°C

Mechanical:

Dimensions:	178 mm (W) x 101 mm (H) x 77 mm (D) (includes Dallas Key Probe, mounting plate and earthing stud)
Dimensions (main body):	178 mm (W) x 89 mm (H) x 63 mm (D)
Weight:	1 kg

Colour: PMS032C (Signal Red)