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ACTIVFIRE®
ACTIVE FIRE PROTECTION – PRODUCT CERTIFICATION

Certificate of Conformity

Certificate num.	Registration date	Version Number	Version Issue date	Valid until	
afp - 3048	29-Jun-2016	5 (Provisional)	27-Apr-2021	30-Apr-2022	Page **1** of **3**

Product designation

ROMTECK, Model RM3118-WIP-WIP-ASE-F, alarm signalling equipment

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

Agent/distributor

ROMTECK
40 O'Malley Street, OSBORNE PARK, WA, AUSTRALIA, 6017

Registrant

ROMTECK
40 O'Malley Street, OSBORNE PARK, WA, AUSTRALIA, 6017

Producer

ROMTECK
40 O'Malley Street, OSBORNE PARK, WA, AUSTRALIA, 6017

Conformance criteria and evaluation

The ROMTECK, Model RM3118-WIP-WIP-ASE-F, 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. The equipment shall be mounted within Fire Detection Control and Indicating Equipment (FDCIE) or adjacent to the FDCIE with interconnections not leaving protected enclosures; and

ii. All terminals, plugs and sockets shall be indelibly labelled with their function; and

iii. The equipment shall be connected to a compatible control station, and

iv. The equipment shall be installed and maintained as recommended by the producer/manufacturer; and

(Limitations/conditions of conformance continue)

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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v. The equipment shall be installed in a manner that ensures compliance with specified network performance requirements.
(Ref.: AS 1670.3-1997: Fire detection, warning, control and intercom systems—System design, installation and commissioning, Part 3: Monitoring network performance)

vi. The equipment shall be connected to FDCIE and PSE (Power Supply Equipment) conforming with specified and appropriate product conformance requirements.
(Ref.: AS 1670.1:2015: Fire detection, warning, control and intercom systems—System design, installation and commissioning Part 1: Fire, §2.1.2 components)

vii. Output terminals OC1 and OC2 shall not be used for external connection.

Producer's description

The ROMTECK, Model RM3118-WIP-WIP-ASE-F, alarm signalling equipment is provided with two (2) WIP (Wireless Internet Protocol) communication paths each of which may be either GPRS (General Packet Radio Service) or HSDAP (High-Speed Downlink Packet Access) packet switched links

The main functions of this equipment include:

- Display local status on LCD.
- Send the current status of its Alarm inputs on change of state.
- Monitor the ASE supply and report status.
- Time stamp all events for accurate traceability of events.
- Log all activity for audit trail capability.
- Provide the ability to test alarm circuits without the need for operator intervention.
- Provide the ability to Isolate the ASE without operator intervention.
- Provide indication to show the presence of Fire, Fault, Zone Isolate and line faults on each of up to 8 independent circuits.
- Provide dual communications paths for high reliability / availability and network backup.
- Monitor and report the status of both primary and secondary communications channels.
- Automatically change to backup communications in case of loss of primary communications channel.
- Automatically report any loss of either communications path.
- Provide periodic reporting capability via secondary link.
- Touch key identification of operators for testing.

Technical specification

The following details are a representative extract of the technical specification for the ROMTECK, Model RM3118-WIP-WIP-ASE-F, 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.

Schedule of properties/characteristics

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

Physical		
Width:		110 mm
Height:		110 mm
Depth:		71 mm
Weight:		350 grams
Data transmission		
WIP1: Mode:		Quad band 850 / 900 / 1800 / 2100 MHz 2G, 3G or 4G depending upon modem. Requires external antennae – SMA connector (Read warning regarding Antenna location in Manual)
WIP2: Mode:		Quad band 850 / 900 / 1800 / 2100 MHz 2G, 3G or 4G depending upon modem. Requires external antennae – SMA connector (Read warning regarding Antenna location in Manual)
Poll sequence		
IP link (WIP):	Poll repetition rate:	Set by heartbeat period. Typically 20 to 40 seconds – unsolicited sending of alarms
	Poll time-out:	3 retries @ 8 seconds (Default)

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Power supply	
Power feed voltage (at ASE):	8-35 Vdc - polarity sensitive
Regulated Circuit Voltage:	3.3 V nominal
Reset voltage detector:	3.0 V
Typical Current drain:	12V operation WIP-WIP – 120 mA
	24V operation WIP-WIP – 62 mA
Low Battery Detection via software with alarm reporting An ACA approved and EMI conforming power supply is required to ensure compliance with safety standards	
Operating conditions	
Temperature range:	-10 deg C. to +50 deg C
Humidity	10 % to 95 % non - condensing
Mechanical shock	
Withstands free fall test to BS2011: Part 1.2Ed (IEC 68-2-32)	
Impulse withstand	
Tested to AS 2481 – 5 kV impulse test.	
Alarm inputs	
8 x Monitored Inputs	Requires Voltage Free Contacts and resistor network as described in Manual Provides up to 24 alarm states.
Open collector outputs	
Max voltage	30 Vdc
Max Current	100mA
Note: Flyback diode required when used to drive relay or inductive load	

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	XF303/R1	Evaluation for conformity of the Romteck Model RM3118-WIP-WIP-ASE-F Alarm Signalling Equipment to the requirements of AS 4428.6-1997	22-Jun-2016	CSIRO, Infrastructure Technologies, Fire Systems and Acoustics, AU
Manual	RM3118 ASE OPERATOR.DOC REVISION 0.3	RM3118 ALARM SIGNALLING EQUIPMENT (ASE) OPERATION AND INSTALLATION MANUAL	2-Jun-2016	Romteck Australia Pty Ltd, AU