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	Page 1 of 2
afp - 3648	20-Oct-2021	1	20-Oct-2021	30-Apr-2023	

Product designation

System Sensor, Model B524IEFT-1, Isolator Base

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

Agent/distributor

Honeywell Security and Fire
9 Columbia Way, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

Registrant

Honeywell Security and Fire
9 Columbia Way, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

Producer

Pittway Tecnologica S.r.l.
Via Caboto 19/3, TRIESTE, ITALY, 34147

Conformance criteria and evaluation

The System Sensor, Model B524IEFT-1, Isolator Base has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS ISO 7240.17:2015, 'Fire detection and alarm systems - Part 17: Short-circuit isolators'.

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. Compatibility of this module with new or existing Fire Detection Control and Indicating Equipment (FDCIE) 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 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
Certificate of Conformity

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afp - 3648	20-Oct-2021	1	20-Oct-2021	30-Apr-2023	

Producer's description

The System Sensor, Model B524IEFT-1, Isolator Base prevents an entire communications loop from being disabled when a short circuit occurs. It achieves this by isolating the part of the loop containing the short from the remainder of the circuit. The base will automatically restore entire loop when the cause of the short circuit is corrected. Up to 20 devices may be isolated per isolator base, depending on the device type

Technical specification

The following details are a representative extract of the technical specification for the System Sensor, Model B524IEFT-1, Isolator Base 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.

Property/characteristic	B524IEFT-1
Operating voltage	15 – 28.5 Vdc (min – max)
Operating temperature range	-30 to +70°C
Humidity	10 – 93% RH (non-condensing)
Mass / Length x Width x Depth	70 g / 102 mm x 26 mm x 10 mm
Voltage at which the isolator opens	5 Vdc ($V_{SO\ max}$)
Voltage at which the isolator closes	7 Vdc ($V_{SC\ max}$)
Permanent current with isolator closed	1.0 A ($I_{C\ max}$)
Switching current	1.0 A ($I_{S\ max}$)
Continuous current	1.0 A ($I_{C\ max}$)
Leakage current with isolator open	15 mA ($I_{L\ max}$)
Serial impedance when isolator is closed.	@24 Vdc – 13m Ω @15 Vdc – 16m Ω

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	CSBA0025/R1	Evaluation for Conformity of the System Sensor/Notifier, Input/Output Modules with Short Circuit Isolators to the requirements of AS ISO 7240.17:2015 and AS ISO 7240.18:2015	31-Aug-2021	CSIRO, Fire Systems Laboratory, AU
Doc. Ref.	I56-0881-014	System Sensor, INSTALLATION INSTRUCTIONS FOR DETECTOR ISOLATOR BASE MODEL B524IEFT-1 (I56-0881-014.pdf)	25-Oct-2019	Pittway Tecnologica S.r.l., TRIESTE, IT