



Certificate of Conformity

| Certificate num. | Registration date | Version | Valid until | |
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Product designation

Potter, Model PS40 & PS120, Waterflow & Pressure Switches

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

Agent/distributor

Kidde Australia
Unit 3, Ground Floor, 10 Ferntree Place, NOTTING HILL, VIC, AUSTRALIA, 3168

Registrant

Potter Electric Signal Company, LLC
1609 Park 370 Place, ST LOUIS, MO, UNITED STATES, 63042

Producer

Potter Electric Signal Company, LLC
1609 Park 370 Place, ST LOUIS, MO, UNITED STATES, 63042

Conformance criteria and evaluation

The Potter, Model PS40 & PS120, Waterflow & Pressure Switches have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Underwriters Laboratories - Evaluation and listing, 'UL listing'.

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.

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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Producer's description

The Potter, Model PS40 & PS120, Waterflow & Pressure Switches are designed primarily to detect a 68.8 kPa (10 psi) increase and/or decrease from normal system pressure in automatic fire sprinkler systems.

Typical applications are air pressure supervision in dry pipe systems and pressure supervision of pressure tanks, air supply or water supply.

A 22 mm size opening is provided in the enclosure base for wiring purposes. A ½ inch size NPT male pressure connection is provided for on all models. All models may utilise an optional tamper switch.

Technical specification

The following details are a representative extract of the technical specification for the Potter, Model PS40 & PS120, Waterflow & Pressure Switches and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Model PS40

Pressure connection: ½ inch NPT Male
Switch contacts: SPDT 10 A @ 125/250 Vac
2.5 A @ 6/12/24 Vdc
2.5 A @ 0-30 Vdc (resistive)
PS40-1 One set operates on decrease
PS40-2 One set operates on decrease
One set operates on increase

Factory adjustments:
PS40-1 operates on decrease at 30 psi
PS40-2 operates on decrease at 30 psi
operates on increase at 50 psi

Pressure range: 20-225 psi (adjustable)

Differential: approx 3 lbs @ 20 psi
approx 10 lbs @ 250 psi

Maximum operating pressure: 250 psi

Environmental limitations: -40°C to +60°C

Model PS120

Pressure connection: ½ inch NPT Male
Switch contacts: SPDT 10 A @ 125/250 Vac
2.5 A @ 6/12/24 Vdc
2.5 A @ 0-30 Vdc (resistive)
PS120-1 One set operates on decrease
PS120-2 One set operates on decrease
One set operates on increase

Factory adjustments:
PS120-1 operates on decrease at 110 psi
PS120-2 operates on decrease at 110 psi
operates on increase at 130 psi

Pressure range: 20-225 psi (adjustable)

Differential: approximate 3 lbs @ 20 psi
approximate 10 lbs @ 225 psi

Maximum operating pressure: 250 psi

Environmental limitations: -40°C to +60°C

Supplementary information

The Potter, Model PS40 Pressure Switch should be connected in the supply line on the system side of any shut-off or check valve.

The Potter, Model PS120 Pressure Switch should be located at a point where the pressure is to be supervised, such as near the pressure gauge.