



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1769	21-Jul-2005	Number 9	Issue date 29-Apr-2015	30-Apr-2016

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Product designation

Project Fire Products, Zonecheck MK-02, water flow switch tester

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

Agent/distributor

Tyco Fire Protection Products
Level 3, 95 Coventry Street, SOUTHBANK, VIC, AUSTRALIA, 3006

Registrant

Project Fire Products Limited
Pasturefields Lane Industrial Estate, HIXON, STAFFORDSHIRE, UNITED KINGDOM,
ST15 8RR

Producer

Project Fire Products Limited
Pasturefields Lane Industrial Estate, HIXON, STAFFORDSHIRE, UNITED KINGDOM, ST15
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Conformance criteria and evaluation

The Project Fire Products, Zonecheck MK-02, water flow switch tester has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Loss Prevention Council - Evaluation, surveillance and approval, 'LPC approval'.
2. Factory Mutual - Evaluation, surveillance and approval, 'FM approval'.
3. Underwriters Laboratories - Evaluation, follow-up services 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.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. The pipe size and schedule of the Zonecheck system shall be identical to the size and schedule of the sprinkler system to which it is intended to be used in. The pipe size and schedule of the Zonecheck system shall also be compatible with the listing size and schedule of the waterflow indicator.

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



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Producer's description

The Project Fire Products, Zonecheck MK-02, water flow switch tester are intended for installation in wet type sprinkler systems in either the horizontal or vertical position. The Project Fire Products, Zonecheck MK-02, water flow switch tester consists of a recirculating pump, two sets of valves and elbows to facilitate the circulation of water, a System Sensor vane type water flow detector, and a key switch to activate the recirculating pump. When activated, the pump circulates the water within the sprinkler riser around the water flow detector to simulate the flow of one sprinkler head in operation.

Technical specification

The following details are a representative extract of the technical specification for the Project Fire Products, Zonecheck MK-02, water flow switch tester and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Working pressure rating:	1210 kPa (175 psi)
Operating temperature range:	0°C to +49°C
Compatible pipe:	50 mm to 200 mm diameter
Manifold length:	650 mm
Component connections:	2 to 25 mm British Standard Thread elbows
Valves:	Red - standard valve Green - contains check valve
Pump operating voltages:	220 Vac, 0.88 A, 50 Hz
Key Switch:	
Model:	ZCK-1 (110 Vac) ZCK-1E (220 Vac)

Principle components

Part ref.	Description	Designation	Size(s), nominal	Application
Z-507	Circulating pump	Wilo, Top S 25/7-PFE(Z)	240 Vac 50Hz 120 Vac 60Hz	Assembled/retrofit Assembled/retrofit
Z-510	Electronic diagnostic key switch	System Sensor, ZCK-1 ZCK-1E	240 Vac 50Hz 120 Vac 60Hz	Assembled/retrofit Assembled/retrofit
Z-505	Inlet valve c/s union tail	Cimberio CIM 357SFD-RED	25 mm	Assembled/retrofit
Z-506	Outlet isolating valve with NRV	Cimberio CIM 358V-Green	25 mm	Assembled/retrofit
Z-508	Water flow detectors	Potter, VSR-F series System Sensor, WFD20E System Sensor, WFD25E System Sensor, WFD30-2E System Sensor, WFD40E System Sensor, WFD60E System Sensor, WFD080E	50 mm to 150 mm 50 mm 65 mm 80 mm 100 mm 150 mm 200 mm	Assembled Assembled Assembled Assembled Assembled Assembled
Z-501	Manifold	Grenville Engineering	650 mm long x 50 mm dia. x 65 mm dia. x 80 mm dia. x 100 mm dia. x 150 mm dia.	Assembled Assembled Assembled Assembled Assembled
Z-513	Ballstop valve	Cimberio CIM 301/12 GMT ½" Yellow	15 mm	Assembled

LED operation:

Ready state:	No LED
Test initiation:	Green LED, 'PUMP'
Flow switch activation:	Green LED, 'WATER-FLOW'

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Supplementary information

Manifold assembly:

The manifold assembly includes no less than two drain ports with the appropriate drain plugs. The manifold assembly comes with the pump, valves, elbows, pipe assembly, drain plugs and water flow detector pre-assembled.