



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 451	30-Nov-1990	Number 13	Issue date 26-Apr-2019	30-Apr-2020

Page 1 of 2

Product designation

Tyco Fire Products, Model WMA-1, water motor alarm

(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

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

Producer

Tyco Malaysia
886 Lot, C1 and C2 Jalan Suban, Taman Perindustrian Subang, PETALING JAYA, 47500 DARUL EHSAN, MALAYSIA

Conformance criteria and evaluation

The Tyco Fire Products, Model WMA-1, water motor alarm has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Underwriters Laboratories - Evaluation and listing, 'UL listing'.
2. Underwriters Laboratories Canada - Evaluation, follow-up services and listing, 'cUL listing'.
3. Factory Mutual - Evaluation and approval, 'FM approval'.
4. Loss Prevention Council - Evaluation, surveillance and approval, 'LPC approval'.
5. Verband der Schadenverhütung - Evaluation and approval, 'Vds approval'.

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.

(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 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

Certificate num.	Registration date	Version		Valid until	Page 2 of 2
afp - 451	30-Nov-1990	Number 13	Issue date 26-Apr-2019	30-Apr-2020	

- i. Fire sprinkler equipment, system design and installation should be determined and verified in accordance with the performance and prescribed requirements of the regulations, standards and criteria as specified by the building code and authorities having jurisdiction. Due considerations include the occupancy fire loading, sprinkler location, coverage, response, hydraulic characteristics and other specified requirements relevant to the conformance and effectiveness of the equipment and installed system.
- ii. Specific or special requirements in relation to this product must be considered and included in the system design and installation.
- iii. The working pressure range is 50 to 2070 kPa.

Producer's description

The Tyco Fire Products, Model WMA-1, water motor alarm is designed for use with fire protection system waterflow detection valves. It is lightweight yet rugged, and it can be used in conjunction with alarm check, dry pipe, deluge, and preaction valves to sound a local alarm.

The water motor alarm is suitable for mounting to any type of rigid wall and can accommodate a wall thickness range of 50 to 450 mm (2 to 18 inches). It is provided with a Model WM-1 Y-Strainer for use in the alarm line.

This equipment utilizes a lightweight, impeller design which can produce a very high sound pressure level.

The gong, gong mount, and water motor housing are fabricated from corrosion resistant aluminum alloys. The polymer drive bearings do not require lubrication, and the gong is closely fitted to the gong mount to eliminate the need for a separate cover

Technical specification

The following details are a representative extract of the technical specification for the Tyco Fire Products, Model WMA-1, water motor alarm and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Working pressure range	50 to 2070 kPa (7 to 300 psi)
Nominal K-factor	1.01 K(metric) l/min / kPa ^{0.5} (0.7 USGPM/psi ^{0.5})
Physical characteristics	
Finish	Red or aluminium
Dimensions	
Gong diameter	216 mm
Y-strainer	20NS (3/4"), cast iron, 20 mesh screen
Reference technical data sheet	TFP921, July 2004