



Certificate of Conformity

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Product designation

Tyco Fire Products, Model DP-1, dry pilot actuator

(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 Fire Protection Products
2401 Northeast Loop 289 & Muni, LUBBOCK, TX, UNITED STATES, 79403

Conformance criteria and evaluation

The Tyco Fire Products, Model DP-1, dry pilot actuator 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'.

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. 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.

(Limitations/conditions of conformance continue)

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to

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- ii. Specific or special requirements in relation to this product must be considered and included in the system design and installation.
- iii. The dewpoint of the pilot line or sprinkler system air pressure must be maintained below the lowest ambient temperature to which the piping system will be exposed. Accumulation of water in the air connection to this equipment will lower the air pressure at which the dry pilot actuator will open.
- iv. The maximum inlet water pressure is 1720 kPa.
- v. The maximum air (Nitrogen) pressure is 121 kPa.

Producer's description

Tyco Fire Products, Model DP-1, dry pilot actuator is an auxiliary releasing device designed for use with Tyco Fire Products deluge and preaction valves having dry pilot release systems.

It is also used for Tyco Fire Products preaction valves having double interlock electric/pneumatic release. This equipment actuates these automatic water control valves upon release of air (nitrogen) pressure.

In the case of dry pilot actuation, air pressure is released due to opening of a pilot sprinkler, or in the case of double interlock preaction systems air pressure is released from the system piping due to the opening of an automatic sprinkler.

When this equipment actuates, it permits water pressure to be released from the deluge or preaction valve differential chamber, thereby allowing the deluge or preaction valve to open.

Technical specification

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

Maximum inlet water pressure	1720 kPa (250 psi)
Maximum air (Nitrogen) pressure	121 kPa (50 psi)
Body and cover	Bronze
Elastomer water seal	Buna-N
Diaphragm	Nitrile coated nylon
Pilot Line Connection:	½" NPT
Inlet Connection:	½" NPT
Drain Connection:	½" NPT
Reference technical data sheet	TFP1380, March 2006