



## Type W Combined fire- smoke valves

## Operating & Maintenance Instructions

Please read these instructions before installing or attempting adjustment of this **Aercon®** valve which is a sensitive instrument that has been tested and accurately pre-set to pressure prior to despatch to you.

- **Scope : Models : 100W, 100WL, & 200W Combined fire/smoke valves.**
- **General description.**

The **Aercon®** Type W Combined fire/smoke Valve comprises an **Aercon** Type W Air Pressure Control Valve direct coupled to an Actionair Type 501 PTC Smoke Shield damper with a Mode 5 (24V) or Mode 6 (240V) Belimo actuator (an Electro-thermal release unit is also included).

Actuators comply with EMC Directive 89/336/EEC.

The valve and smoke damper are housed in two hour fire resistant casing finished in white Polyester to RAL 9010 with a matching finish aluminium grille on outlet.

- **Installation - Please also see the Type W Installation Notes.**

Form an aperture to suit the dimensions of the unit, allowing minimum clearance for sliding in the unit. Ensure that the unit is level in both horizontal planes and then fix to the wall using the slip over angle frames provided and make good round the unit with fire resisting mastic of sufficient fire integrity to match the wall .

Ensure that the actuator is connected to the appropriate electrical supply i.e. 240 V AC or 24 V AC or 24V DC prior to applying power to the unit. See Actionair instructions provided with the unit for wiring details.

Where the stabiliser is installed in a location accessible to the public consideration should be given to fitting inlet grilles to avoid trapping/cutting of fingers by the blade(s).

- **Operation.**

**Aercon®** Type W Combined fire-smoke valves are factory pre-set to pressure prior to despatch and should not, normally, require site adjustment.

Should the pressure setting need to be changed consult the **Type W** Valve Operating and Maintenance Instructions.

- **Routine Maintenance and Cleaning.**

For valve maintenance see the **Type W** Operating and Maintenance Instructions

There is no maintenance requirement for the Actionair Smoke Shield Damper other than periodic cleaning which should be carried out by removal of the clip fix egg-crate grille using gentle finger pressure.

The fusible link can be reached, for replacement, by removing the egg-crate grille and then unscrewing the fusible link from the actuator and replacing with a new unit.

Regular testing of the Smoke Shield Damper's operation is recommended.

- **Problems?**

**Aercon**<sup>®</sup> valves and stabilisers are covered by a twelve month "return to factory" warranty against faulty workmanship and materials.

In the event of any malfunction or difficulty in obtaining the required pressure setting of a valve or stabiliser please contact the **Aercon**<sup>®</sup> department of **Power Utilities Limited** for assistance.

Should you experience problems with the overall performance of an Operating Theatre suite please request a copy of our **Trouble Shooting Guide for Type W and LF valves.**

An on-site commissioning / re-setting / repair service is available in the U.K. or alternatively stabilisers may be returned, carriage paid, to the Works for these services.

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**Air Pressure Control Valves**

Manufactured in England by  
**Power Utilities Limited**



Established 1934