

The logo for AERCON, featuring the word "AERCON" in a bold, stylized, italicized font with a registered trademark symbol.The logo for LF, consisting of the letters "L" and "F" in a large, bold, italicized font.

**Combined fire-  
smoke stabilisers**

## **Operating & Maintenance Instructions**

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

- **Scope : All Aercon® LF Combined fire/smoke Stabilisers.**

- **General description.**

The **Aercon® Type LF** Combined fire/smoke Stabiliser comprises an Aercon Type LF Pressure Stabiliser 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 stabiliser 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 LF 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. (Please note the Smoke Damper will not open unless connected to an electrical supply)

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 LF** Combined fire-smoke stabilisers 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 LF** Operating and Maintenance Instructions.

- **Routine Maintenance and Cleaning.**

For stabiliser maintenance see the **Type LF** 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> 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 stabiliser 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 and stabilisers.**

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