

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

Fire-rated Stabilisers

Operating & Maintenance Instructions

WARNING : Please note that the fire damper closes with considerable force and should never be handled by personnel unfamiliar with its operation. The egg-crate grille must be in position at all times except for fire damper re-setting.

- **Scope :** All *Aercon*[®] LF Fire-rated Stabilisers.
- **General Description :**

The unit comprises an Aercon Type **LF** Pressure Stabiliser direct coupled to an Actionair Type 101 Fire Shield fire damper with an egg-crate grille on outlet and the whole encased in a two hour fire resistant casing fabricated in either carbon steel with white Polyester powder coated finish. Fire rating : Two hours to BS 476 Part 22 1987.

- **Installation :**

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 loose angle frames provided. These are pre-drilled and should be pop-riveted to the unit's casing in the appropriate position - to suit your application. Please ensure when drilling the casing that the drill bit does not penetrate more than 1/2" (12 mm). Make good round the unit with fire resisting material of sufficient fire integrity to match the wall.

Fire-rated Stabilisers are delivered with the fire damper in the closed position and it is necessary to remove the outlet grille (pull off using gentle finger pressure) and set the fire damper prior to operation. This should be carried out by a competent fitter and the outlet grille should be immediately replaced.

Units may be additionally provided with electro-magnetic actuation of the fire damper and where specified, the electro-magnet should be mounted to the wall or ceiling, adjacent to the unit, so as to ensure that not more than two bends of 100 mm minimum radius occur in its operating cable. Ensure that the electro-magnet 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. Electro-magnets comply with EMC Directive 89/336/EEC.

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 :**

Fire-rated Stabilisers are Works pre-set to operating pressure prior to despatch and will not normally require on-site adjustment. Should the pressure setting need to be changed consult the Aercon Type **LF** Operating and Maintenance Instructions. It is recommended that the fire damper be firmly wedged open before attempting to slacken the lock nut(s) on the low pressure side of the Stabiliser blade(s).

- **Maintenance :**

Maintenance should only be carried out by personnel familiar with this equipment.

For maintenance see the Aercon Type **LF** Stabiliser Operating and Maintenance Instructions. The fire damper is maintenance free but it's operation should be checked at least annually by compressing the brass finger pins situated on each side of the operating mechanism cassette. These pins will be seen, upon opening the Stabiliser blade, in the centre of the fire damper at the top.

Using two pieces of wood of approximately 300 mm long and 20 mm square in section (not provided) press in both brass pins simultaneously. The fire damper curtain should fall with considerable force and effectively seal the outlet. **Do not put your hands into the fire damper area whilst carrying out this test.**

Remove the grille and re-set the fire damper after the test and immediately replace the grille.

- **Problems?**

Aercon[®] stabilisers are covered by a twelve month “return to factory” warranty against faulty workmanship and materials.

In the event of malfunction or operational difficulty please contact the **Aercon**[®] department of **Power Utilities Limited** for assistance.

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

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Air Pressure Control Valves

Manufactured in England by
Power Utilities Limited



Established 1934