

TYPE LF COMBINED FIRE/SMOKE STABILISERS



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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 Type LF Combined Fire/Smoke Stabilisers.

General Description

The Type LF Combined Fire/Smoke Stabiliser comprises a 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 Electrothermal 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 9016 with a matching finish aluminium grille on outlet.

Installation - Please also see the Type LF Installation Notes

Form an aperture of the dimensions stated on our quotation/order acknowledgement, which allows the 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. 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"(12mm). Make good round the unit with fire resisting material of sufficient fire integrity to match the wall.

Where a unit is to fitted into thin partitioning systems thought should be given to supporting the overhanging section. This can be achieved by using a floor plinth where the Combined Fire/Smoke Stabiliser is to be fitted at low level, a shelf or shelf brackets where it is to fitted at higher level or drop rods and a support bracket where it is to fitted under the ceiling. The Combined Fire/Smoke Stabiliser weighs from 30 - 60Kg dependant on size and this should be taken into account when selecting a suitable support method.

Ensure that the actuator is connected to the appropriate electrical supply i.e. 240VAC 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).

Operation

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.

product ranges



Air pressure stabilisers for use in hospitals.



Premium range air pressure control valves for the pharmaceutical industry.



Air pressure control valves for protected escapes routes.



Heavy duty valves for specialist industrial and defence applications.



Valves for the control of pressure within gas fire suppression systems.



OPERATING AND MAINTENANCE INSTRUCTIONS

TYPE LF **COMBINED FIRE/SMOKE STABILISERS** *continued*



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Routine Maintenance and Cleaning

For stabiliser maintenance see the LF Type 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 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 stabiliser please contact the Aercon Division of the Power Utilities Group 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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