

Actionair Actionpac EM

Electro – Mechanical Control
and Monitoring System

Range and Features

Actionpac Electro Mechanical
Smoke and Fire Damper Control
System.

Automatic damper operation
utilising Relay Logic and LED
indication of damper status.

Damper Panels:

Customised Central Control
Panel.

Remote Repeater Panel.

Fire Damper Monitor Panel.

Specialist Panels available:

- Fan Control Panel.
- Fireman's Control Panel.
- Mimic Panel.



Example Actionpac EM Panel shown

Smoke... the silent killer

Electro-Mechanical Control and Monitoring System

Introduction

The Actionpac Electro-Mechanical Control System, consists of a number of smoke/fire dampers hard wired individually or in groups to a central control panel. The dampers may be individually or collectively controlled and continuously monitored.

Dampers and control modes may have differing control and monitoring requirements and therefore will be connected to the site wiring, which when installed by the contractor, shall provide the relevant specified functions.

Specification

The Control Panel typically consists of the appropriate number of switches to provide individual or group control, LED indication for status monitoring and all necessary relays and timers to comply with the customer needs for fully or semi- automatic damper operation.

Interface with the Fire Alarm panel is via volt-free contacts which are normally closed and open upon alarm, the damper control panel will then activate relevant dampers to their alarm status.

Damper Control Panels are purposely manufactured for any particular project to suit as specific customer requirements.

Features

Damper control panels are purposely manufactured for any particular project to suit specific customer requirements.

Dampers can be individually or collectively controlled and continually monitored.

Wall mounted enclosures to IP55.

Custom engraved traffolyte fascia.

LED indication of damper status.

Zonal inputs.

Door interlocking isolator.

Miniature circuit breaker protection.

Options

Lockable glazed door.

Special paint finish to British Standard Reference Number.

Flush mounting flanges.

Latching push buttons.

Fireman's override key switches.

Test switch.

Audible alarm with mute facility.

B.M.S common fault relay interface.

B.M.S output.

Delay timers.

Battery backup.

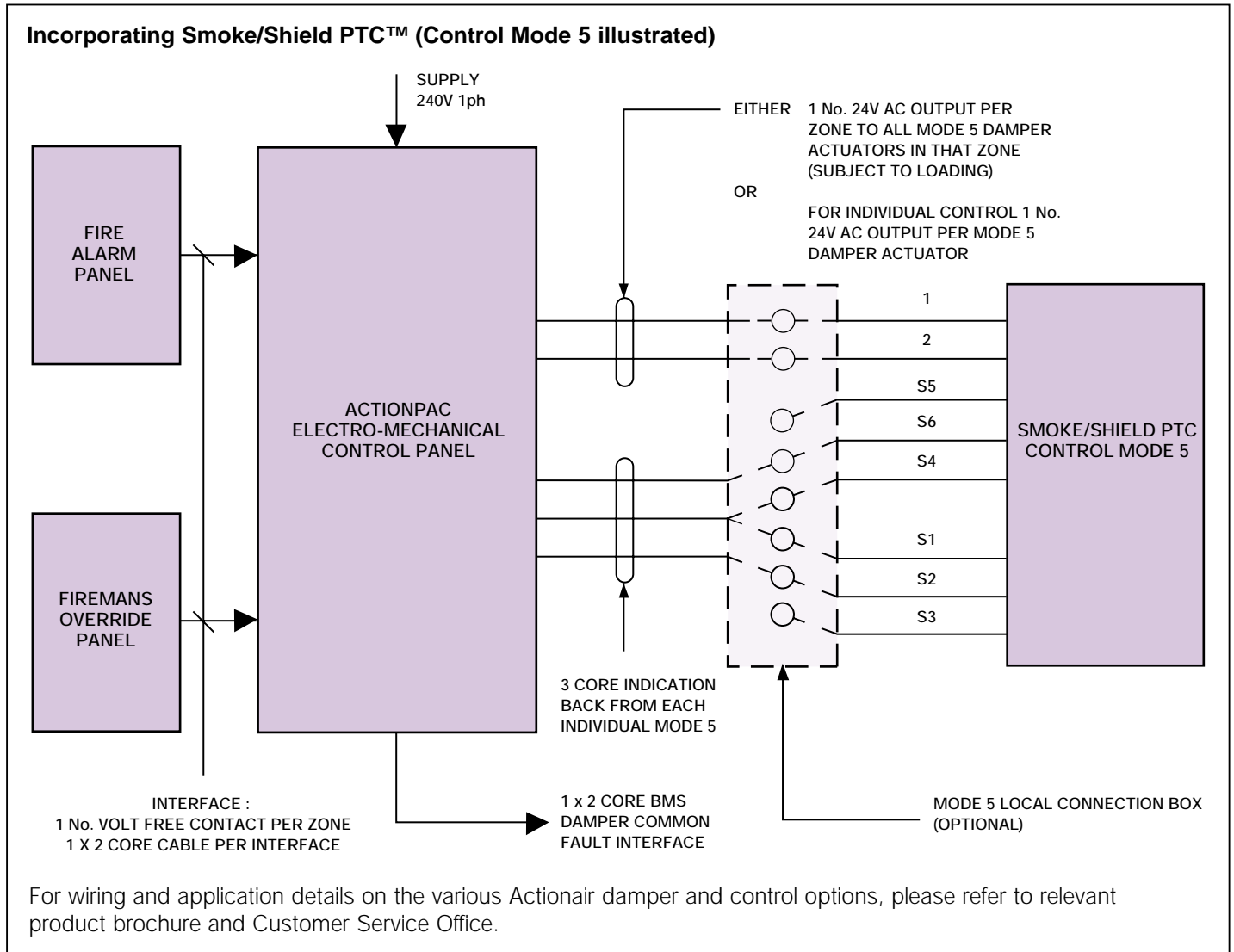
Specialist panels available

- Repeater Monitor Panel
- Fan Control Panel
- Fireman's Control Panel
- Mimic Control Panel.



Example Actionpac EM Panel shown

Typical Actionpac Electro-Mechanical System Schematic



Commissioning

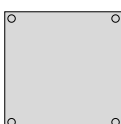
Actionair offers a comprehensive after sales service to include for pre-commissioning checks, complete commissioning service of all our products in line with and to encompass CIBSE guidelines and planned preventive maintenance visits.

Panel Enclosure sizes

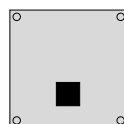
No. of Dampers	Estimated enclosure size (mm)
1 - 4	400 x 400 x 200
5 - 8	400 x 400 x 200
9 - 12	500 x 500 x 200
13 - 16	500 x 500 x 200
17 - 20	600 x 600 x 200
21 - 30	600 x 600 x 200
31 - 40	800 x 600 x 250
41 - 50	800 x 800 x 250

For greater number of Dampers contact Technical Sales Office.

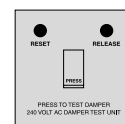
Accessories



CB Connection Box For Control Modes. (Can be factory prewired to Control Mode.)
Size: 100 x 100 x 50mm.



PBOB Push Button Operator Box For Control Modes. (Illuminated switch to reset and release damper.)
Size: 100 x 100 x 50mm.



DTU Damper Test Unit For Control Modes. Spring bias test switch providing illuminated reset and release status.) Size: 88 x 88 x 55mm.

Actionpac LNS Addressable Smoke and Fire Damper Control System



Panel PC driven system

For control of a greater number of Dampers, *offering a more flexible approach* through software configuration.

For more details please contact our Technical Sales Office.

Customer Service

Actionair provides quality products backed by a dedicated team committed to providing the very best in customer service.

Offering experienced technical backup, comprehensive sales and administrative customer support, product commissioning and maintenance service.

Actionair Smoke/Shield PTC Automatic Smoke and Fire Dampers



- Fully compliant to the new International (ISO 10294-1), European (EN 1366-2) and British (BS ISO 10294-1 and BS 476 Part 20), Fire Damper test standards.
- Unique *Snaplock™* drive interface ensures user friendly connection of control mode to damper.
- New proportional torque control for optimised torque performance
- Unique and patented electrical thermal release for ultimate safety.
- Easy connection to square, rectangular, circular and flat oval ductwork.

The information contained herein is subject to change without notice due to continuing research and development.

actionair

NO COMPROMISE .



Quality System
Certificate No 017
Assessed to ISO 9001:2000

Actionair, South Street, Whitstable, Kent CT5 3DU England
Tel: (01227) 276100 Fax: (01227) 264262 International Code: +441227
Email: sales@actionair.co.uk Website: www.actionair.co.uk

Part of Ruskin Air Management Limited