

## Product Data Sheet ACP-EM / 06-00



# Actionair Actionpac EM

Electro Mechanical  
Smoke and Fire Damper Control Systems

## Application

**The Actionpac EM System consists of a number of smoke/fire dampers hand wired to a purposely manufactured Damper Control Panel to suit specific customer requirement. The dampers may be individually or collectively controlled and continually monitored.**

## Features and Design Guide

Wall mounted enclosures to IP55.  
Custom engraved traffolyte facia.  
Control and monitoring of dampers.  
LED Indication of damper status.

Zonal inputs.

Door interlocking isolator.

Miniature circuit breaker protection.

Available to suit Control Modes 1, 5, 6 and other Actionair Fire Protection/Air Distribution Equipment.

## Introduction

Consultants in the field of fire engineering have long recognised the damage and danger to human life that can be caused by smoke spreading through buildings, even when the fire is confined to a small area.

Preventative smoke/fire protection can save human lives as well as keeping damage to property and contents to absolute minimum.

Control measures for smoke/fire protection in old and new buildings comprise a wide variety of systems and items of equipment, that must be carefully integrated in order to ensure maximum safety.

One of the more important tasks is performed by the automatic smoke and fire dampers that are incorporated into the HVAC systems. In an emergency they must close immediately to contain the smoke and fire and prevent their spread through the ducting, or open immediately to allow smoke extraction to take place.

## Specification

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.

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 specific customer requirements.

## Options

Lockable glazed door.

Special paint finish to British Standard Reference Number.

Latching pushbuttons.

B. M. S. Output.

Firemans override key switches.

Audible alarm with mute facility.

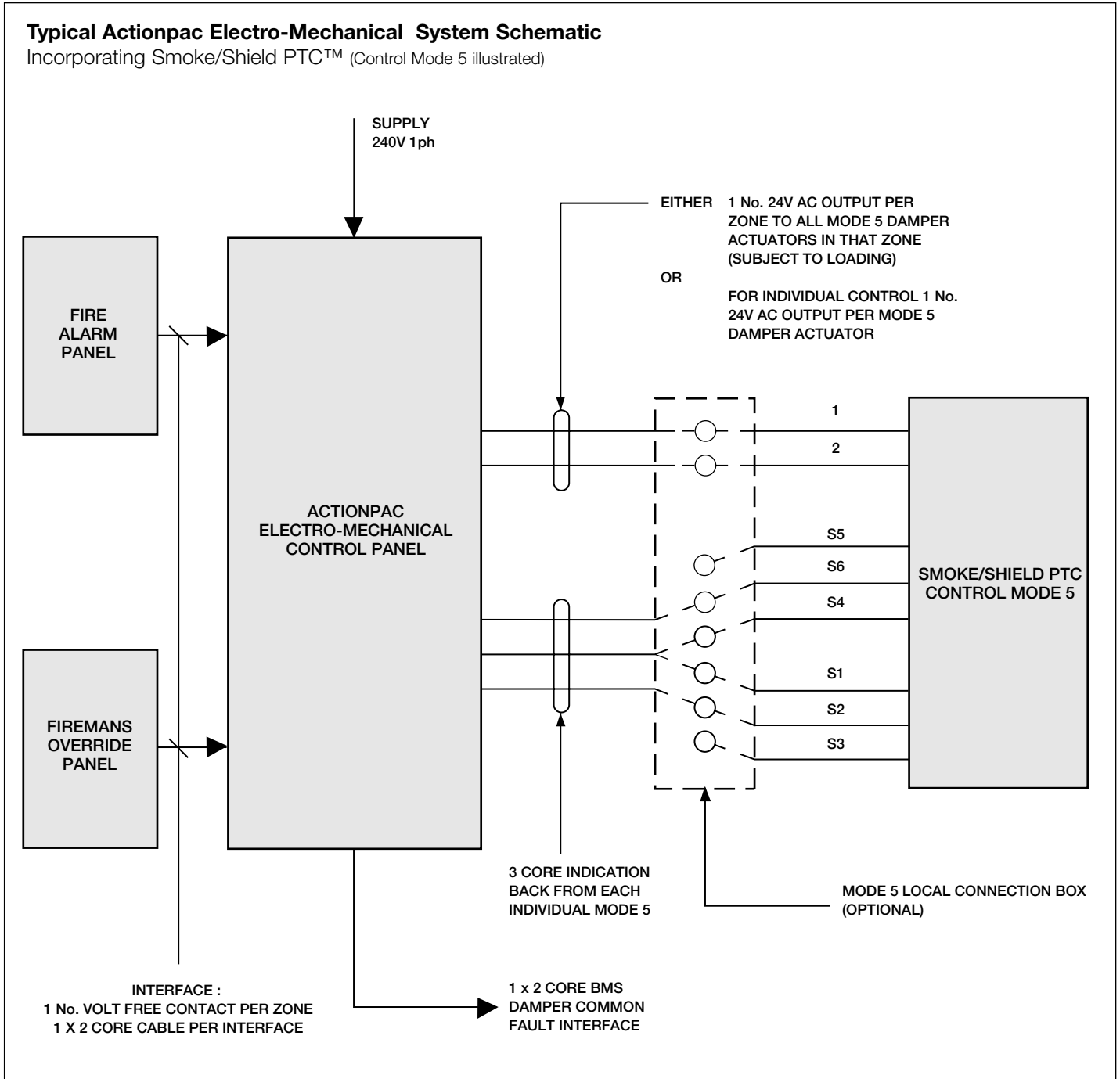
Lamp test facility.

B.M.S. common fault relay interface.

For complete application and wiring data, please refer to Customer Service Office.

**Actionpac Electro-Mechanical Systems are also suitable for:-**

Smoke/Shield PTC control Modes 1, 5 and 6,  
 Vent/Shield PTC Control Modes 1, 5 and 6,  
 Fire/Shield, Trans/Shield, Air/Shield and Energy/Shield electrical controls.  
 (Please contact Customer Service Office for further information)



System commissioning and after sales service is available.

# actionair



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For further information, please refer to the Actionair Actionpac product catalogue or contact our Customer Service Office.

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