

## SZAOV<sup>®</sup> 3 amp automatic opening vent control panel

SZAOV-1001 is a single detection zone smoke vent control panel with integral 3 amp power supply, designed to control 24vdc actuators or magnets.

The panel has battery backup capability and assures that actuators can be powered in the event of a mains failure.

Vent controls and indications are provided on the front of the control panel and integral control inputs to accept signals from remote contacts, smoke detectors and manual controls.

The SZAOV control panel range has been developed to provide a comprehensive solution to smoke vent control scenarios.



## Features

### Main Features

- 3 amp integral PSU
- Easy to program
- Single detection zone, Conventional or Twin-wire
- Input from other detection systems, to activate
- Monitored Actuator output for controlling smoke vents
- Fireman switch input to override all other inputs
- All inputs and actuator outputs monitored for Short and Open Circuit
- Thermostat input - Ventilation mode. Vents openable in 10% steps

### Technical specifications

Enclosure	1.2mm Mild Steel IP30. Colour ref: MW334E Interpon powder coat
Cable Entry	Via 20mm knockouts located in the top and rear of the cabinet
Dimensions	Back box: 310mm W x 300mm H x 80mm D Lid: 317mm W x 309mm H x 25mm D
Mains Supply	3A internal switch mode power supply, Nom 27v DC
Battery Capacity	2 x 7Ah 12v VRLA fire rated
Detection Zones	Single monitored detection zone. EOL = 6K8
Twin Wire	Selectable in panel (enables AV devices to be connected to det cct)
On Board Relays	1 x Alarm, 1 x Fault, volt free changeover, Max 3A
Fireman's Switch Input	Fireman's control switch input for Open/Close/Auto
Vent Control Input	Vent control switch input, Open/Close (rocker switch)
Actuator Output	Reversal actuator control output (2.5A total max) can be configured as a maintained output for a magnetic door
ACT Spec	Monitoring current limit 1.5mA O/C > 10K S/C < 10R
Inrush Current	20A for an interval of 2 seconds
Aux Output	28v, 2.5A. The Aux output should not be used to control sounders.
False Alarm Management	Type A

### Models

SZAOV-1001	3 amp AOV control panel. Single zone, non extendable
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# Specifications

## Electrical Specification Inputs & Outputs PSU Card

SWITCH OP C CL	3-way fireman's switch input	
FIRE C NC NO (Common Fire relay)	Alarm relay contact. Clean C/O. Max 3A at 30VDC	
FAULT C NC NO (Common Fault relay)	Maintained fault relay contact. Clean C/O Max 3A at 30VDC	

## Electrical Specification Inputs & Outputs AOV Card

ZONE 1 + -	Fire alarm zone circuit. Conventionally wired detection circuit or Twin wire combined detection/sounder circuit, monitored via a 6K8 Ohm 5% 0.25W end-of-line resistor	Monitoring current limit is 50mA, fused at 500mA. Typical max load 22 devices, at 18mA each, in each zone circuit
OPEN + -	Alarm activating input, 2K7 alarm. 6K8 Ohm 5% 0.25W EOL resistor	Monitoring current limit 1.5mA, unfused
CLOSE + -	Alarm activating input, 2K7 alarm. 6K8 Ohm 5% 0.25W EOL resistor	Monitoring current limit 1.5mA, unfused
ACT1 + -	Dual polarity reversal actuator drive output, 28VDC. Max 2.5 amps	
SWITCH 1 + -	Local vent control switch input	

## General Specification

Temperature range	-5 deg C to +40 deg C
Number of conventional/Twin Wire detection circuits	1
Conventional/Twin Wire detector compatibility	Apollo: S65, Orbis. / Hochiki CDX. / Nittan EV etc
Mains supply	230VAC +10% / -15%, 50Hz max current 1.2 Amp