

# 4-8 Zone Fire Alarm Control Panel AW-CFP2166-4-8



## The AW-CFP2166 series

conventional fire alarm panel is designed based on EN54 part 2 & 4 standard. And it is the central part of conventional fire alarm system, designed for applications requiring smoke detector, bell, manual pull stations, and sprinkler



## Product overview

### Introduction:

1. This conventional fire alarm system designed based on EN54 part 2&4 standard.
2. Modularized design which can extend from 1 zone to 4 zones easily.
3. The conventional fire alarm system has 2 level control mode by a lock
4. It has FIRE and FAULT signal output, each zone with fire relay.
5. It has 24VDC and 5VDC power supply output.
6. It has 2 general sounders output.
7. Each zone has 1 circuit detectors input .
8. Each zone can be disable by a button.
9. Has RESET button to reset the panel.
10. Has SILENCE button to stop BUZZER and SOUNDERS.
11. It has EVACUATE button to start a manual fire alarm immediately.
12. It has battery low protection function, when battery voltage lower than 21VDC, battery will be cut off automatically until the main power is on.
13. The conventional fire alarm system has an optional GSM module for fire alarm by SMS
14. It is economic, user-friendly and easy maintenance.



## 8 zone control panel

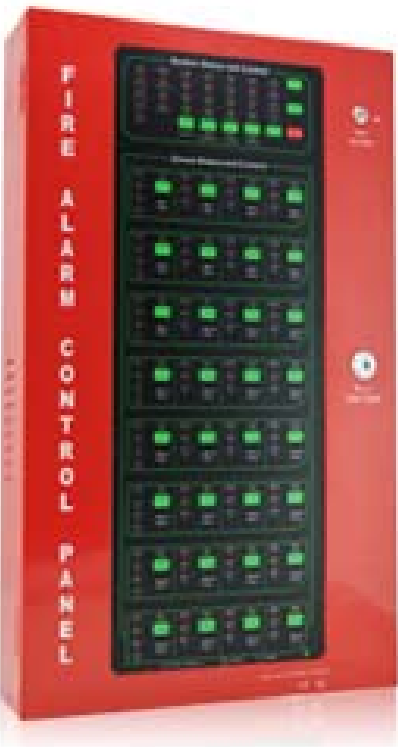
## Parameters

Item name Conventional 4 zone control panel  
Model No.AW-CFP2166-4  
Power specification : Mains supply voltage 110VAC or 240VAC  
Internal power supply 27.2VDC Total output current limited  
3A @ 240VAC  
Main supply monitor for fault Yes  
Each zone with fire relay Yes  
Battery protection for low voltage Yes  
Batteries (default configuration) 12V 2AH\*2  
Detector circuit specification: Number of circuit 2  
Line fault monitor for open circuit Yes  
Line fault monitor for short circuit Yes  
Line fault monitor for detector removal Yes, if End of Line Monitor Unit  
fitted in place of End of Line Resistor  
End of Line device 6.8k  $\Omega$ , 5% tolerance, 0.25W  
Detector continuity diodes  
Silicon 1N4001 or Schottky typ (required if End of Line Monitor Unit  
fitted to give Detector Removal Fault)  
Call point resistor value 470 to 680  $\Omega$ , 0.225 or 0.5 watt  
Maximum number of smoke/heat detectors per zone 20 (based on a  
total detector current of 2mA, each detector consuming 100 $\mu$ A).  
Maximum number of manual call points per zone No limit  
Sounder circuit specification: Number of general circuits 2



# 12-32 Zone Fire Alarm Control

AW-CFP2166-32 Conventional Fire Alarm Control Panel  
32 or 16 zone model with customized color .  
high-definition fire alarm control panel for wholesale



Panel AW-CFP2166-12-32

The AW-CFP2166 series conventional fire alarm panel is designed based on EN54 part 2 & 4 standard. And it is the central part of conventional fire alarm system, designed for applications requiring smoke.

The AW-CFP2166 series conventional fire alarm panel is designed based on EN54 part 2 & 4 standard. And it is the central part of conventional fire alarm system, designed for applications requiring smoke detector, bell, manual pull stations, and sprinkler supervision. Each zone can be disabled by a button. The basic unit offers 1 to 8 zones of initiation, up to 32 zones for larger applications.

**SPECIFICATIONS FOR AW-CFP2166-32**

- Power specification
- mains supply voltage AC 110V/240V
- Internal power supply DC 27.2 Batteries AH 12V\*2
- Sounder circuit specification
- Number of general circuits 32
- End of line resistor value 6.8k  $\Omega$ , 5% tolerance, 0.25W
- Outputs fused AT mA 400



**The turnkey solution for FIRE and Building Automatic Control and Management System.**



**AW-CSD311 Conventional Smoke Detector**

AW-CSD311 is photo-electronic detector using a state-of-the-art optical sensing chamber. This detector is designed to provide open area protection and to be used with most conventional fire alarm control panel.

1. Strong Adaptability For Circumstance
2. SMT Design, High Stability
3. 9-18vdc Wide Voltage Operating Range
4. Low Standby Current
5. Power Supply Non-Polarized input
6. Twin Led For 360 Visual
7. Flashing Led Power Indicator
8. Remote Led Indicator Output(2-Wire)
9. Metal Shield. Anti-Electromagnetic Interference



**Specifications: Fire burning smoking detecting sensor , conventional fire detector**  
 Name  
 Parameters  
 Model No.  
 AW-CSD311  
 Operating Voltage Range:  
 9 to 28 VDC Volts Non-polarized  
 Standby Current:  
 ≤120µA @ 24 VDC  
 Maximum Alarm Current (LED on: )  
 ≤15mA @ 24 VDC  
 (1k Ohm current-limiting resistance)  
 Operating Humidity Range:  
 ≤ 95% Relative Humidity, Non-condensing  
 Operating Temperature Range:  
 14°F to 120°F (-10°C to 49°C)  
 Adjustable Sensitivity:  
 1.06±.26%/FT  
 Height:  
 48mm installed in Base  
 Diameter:  
 99mm



**AW-CTD321 2 Wire Conventional Fix Temperature Heat Detector**

1. Strong Adaptability For Circumstance
2. SMT Design, High Stability
3. 9-60vdc Wide Voltage Operating Range
4. Low Standby Current
5. Power Supply Non-Polarized input
6. Twin Led For 360 Visual
7. Flashing Led Power Indicator
8. Remote Led Indicator Output(2-Wire)
9. Metal Shield. Anti-Electromagnetic Interference



Fire sensor  
 Rate of rise temperature sensor  
 Sensitivity 7.1°C/5S AIR  
 Control mode Advantage software  
 Connection 2 wire  
 Operating voltage DC9-28V  
 Standby current 120µA  
 NC:11mA @24VDC  
 Alarm current <35mA  
 NC:2mA @24VDC  
 Material  
 Shell: Fire resistance plastic  
 Connector: Stainless steel  
 Product size  
 Diameter: 99.45 mm, height: 48.2mm  
 Standards ISO9000,EN54-7, CE,SASO

**AW-CBL2166-A-6 6 Inch Fire Bell**

Fire alarm internally by a 24V DC motor driven by the crankshaft and connecting rod bells, no relays work, work current, high reliability.

Fire alarm for supporting specific products and linkage fire alarm systems, when the system recognizes fire broke out by linkage control equipment to the scene.





## W-CSD811 2 Wire Conventional Smoke Detector



### Advantage 2 Wire Conventional Smoke Detector

Fire sensor :Photoelectric smoke chamber  
Sensitivity :1.06±0.26%FT  
Control mode :Advantage software  
Connection 2 wire  
Operating voltage DC9-28V  
Standby current 120µA  
Material Shell: Fire resistance plastic  
Connector: stainless steel  
Two LEDs blink standby, provide 360° visibility  
Product size Diameter: 99.45 mm, height: 48.2mm  
Work temperature -10°C~50°C  
Work humidity 95% Relative humidity, non-condensing  
Customization Logo, color  
Standards ISO9000,EN54-7, CE,SASO,LPCB

### Product Description

The AW-CSD811 is a Photoelectric Smoke Detector, which is fully compatible with the majority of existing Asenware Conventional panel systems.

The AW-CSD811 is Asenware 's unique High Performance photoelectric smoke chamber removing the need to use Ionisation Detectors in the majority of applications.

This use software control also allows the Detector threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms and improving high sensitivity

The smoke chamber is easily removed or replaced for cleaning and utilises a unique baffle design which allows smoke to enter the chamber whilst keeping out ambient light

### AW-CMC2166-6 Conventional Manual Call Point

The AW-CMC2166-6 conventional manual call point designed for conventional fire alarm system for reporting fire or emergency condition by its PUSH IN/PULL DOWN handle latches.

1. The Manual call points are high reliability and easy installation.
2. Available for flush or surface mounting
3. DC24V or AC220V powered, two wire connection
4. Suitable for most conventional fire alarm



**AW-CMC2166-5 Manual Call Point With Indicator** installed in public places, when people confirm the fire broke out, pressing the button on the plexiglass sheet, it will send a signal to the fire alarm control panel, after the fire alarm control panel receives the alarm signal, showing that the number or location of the alarm button and the alarm sound.

1. The Manual call points are high reliability and easy installation.
2. Available for flush or surface mounting
3. DC24V or AC220V powered, two wire connection
4. Suitable for most conventional fire alarm system

