

Conventional Fire Alarm System 2166 Series

AW-CFP2166 Conventional Fire Alarm Control Panel



Introduction

- AW-CFP2166 series conventional fire alarm panel is designed based on EN54 part 2&4 standard.
- It is modularized design, the panel can expand from 1 zone to 32 zones easily.
- It has 2 level control mode by a lock.
- It has 24VDC power supply output.
- It has FIRE and FAULT signal output.
- It has 2 general sounders output.
- Each zone has 1 circuit detectors input.
- Each zone can be disabled by a button.
- It has RESET button to reset the panel.
- It has SILENCE button to stop BUZZER and SOUNDERS.
- It has EVACUATE button to start a manual fire alarm immediately.
- It has an optional GSM module for fire alarm by SMS.
- It is economic, user-friendly and easy maintenance.

Parameters

ITEM	1 Zone panel	2 Zone panel	4 Zone panel	8 Zone panel	12-32 Zone panel
Model No.	AW-CFP2166-01	AW-CFP2166-02	AW-CFP2166-04	AW-CFP2166-08	AW-CFP2166-12-32
Power specification					
Mains supply voltage	110VAC or 220VAC				
Internal power supply	27.2VDC				
Total output current limited	500mA @ 240VAC		3A @ 220VAC		
Main supply monitor for fault	Yes				
Battery protection for low voltage	Yes				
Batteries (default configuration)	12V2.3AH*2				
Detector circuit specification					
Number of circuit	1	2	4	4-8	12-32
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 Ω , 5% tolerance, 0.5-1W (colour code-blue, grey, red, gold)				
Detector continuity diodes	Silicon 1N4001 or Schottky type (required if End of Line Monitor Unit fitted to give Detector Removal Fault)				
Call point resistor value	470 to 680 Ω , 0.5 or 1 watt				
Maximum number of smoke/heat detectors per zone	20 (based on a total detector current of 2mA, each detector consuming 100 μ A). Note: if End of Line Monitor Unit is fitted, for correct operation maximum voltage drop must not exceed 12 volts.				
Maximum number of manual call points per zone	No limit				
Sounder circuit specification					
Number of general circuits	2				
End of line resistor value	6.8k Ω , 5% tolerance, 0.5-1W (colour code-blue, grey, red, gold)				
Line fault monitor for open circuit	Yes				
Line fault monitor for short circuit	Yes				
Outputs fused AT	600mA				
Maximum number of bells @ 50mA of each Sounder output	12			30	
Fuses					
Battery fuse	1.85A resettable fuse				
Sounder outputs	400mA F 20mm	600mA resettable fuse		750mA resettable fuse	
Fire output					
Output type	NC and NO relay				
Maximum current	100mA				
Connection block					
Largest acceptable conductor size	2.5mm ²				
Smallest acceptable conductor size	0.75mm ²				
Size and weight					
Dimensions(mm)	272X200X70	320X231X90	315*250*90	430X390X140	640X390X150
Weight (with batteries)	5.5kg	7kg	7kg	9kg	13kg