

★ Our Service Policy:

1. NFPA certified engineers provide design for all fire systems.
2. Installation and training at the customer's location.
3. Special product design with an appropriate solution.
4. Continuous technical support.
5. 2 years warranty.

★ Contact us

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AW ASENWARE

Only for Fire Safety



2025 CATALOG



Conventional
Fire Alarm System
AW-CFP2166



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Addressable
Fire Alarm System
AW-FP200



Fire Suppression
System
AW-GEC2169



Voice Evacuation
System



Emergency
Luminaire



Gas Suppression
System



Water/Foam
Suppression System



Addressable Smoke Detector

AW-D301

Operating Voltage	Loop 24V(18V~28V)
Standby Current	≤0.3mA
Alarm Current	≤1.5mA (without remote indicator) ≤3.5mA (with remote indicator)
Fire LED	Red, Flash in polling, and illuminate in alarming.



Loop Isolator

AW-D314

Line Voltage	16-28 VDC
Standby Current	≤3mA
Capacity	32 devices
Maximum Voltage At Which The Device Isolates	8 - 11V
Maximum Voltage At Which The Device Reconnects	1.4-4V



Addressable Repeater

AW-RP2188

Power Supply	DC 24V ±20 %
Overall Power Consumption	≤3W
Working Temperature	-10°C~+50°C
Relative Humidity	≤95% (40°C, non-condensing)

4 Wire Addressable Sounder Beacon AW-D306
2 Wire Addressable Sounder Beacon AW-D307
2 Wire Conventional Sounder Beacon AW-D316

Power Input	DC24V (20-28V)
Monitoring Status	≤2mA
Sounder Level	≥75dB@1m
EN54-23 Coverage	C-3-8/W-2-4-6
Power Consumption	
AW-D306	≤3.2W@DC24V
AW-D307	≤0.2W@DC24V
AW-D316	≤2.4W@DC24V

Programmer
AW-CODER2188

A device for giving specific ID to all the addressable accessories which need to be configured with AW-FP300/AW-FP312 control panel.

Addressable sounder beacon
waterproof base

AW-BS03

Made of ABS material
Complies with IP65 rating



Addressable Heat Detector

AW-D302

Operating Voltage	Loop 24V(18V~28V)
Standby Current	≤0.3mA
Alarm Current	≤1.5mA (without remote indicator) ≤3.5mA (with remote indicator)
Fire LED	Red, Flash in polling, and illuminate in alarming.



4 Wire Addressable I/O Module AW-D319

2 Wire Addressable I/O Module AW-D309

Operating Voltage	Signal Loop 24V(18V~28V) Power 24VDC(20VDC~28VDC)
Standby Current	Loop ≤0.8mA; Power ≤2mA
Action Current	Loop ≤5mA; Power ≤15mA
Output Capacity	1A@DC30V
Input Mode Setting	NC or NO input mode can be set by the jumper JP4.

Addressable
Strobe Sounder Base

AW-D321

Loop input	DC24V(20-28V)
Power consumption	≤0.2W@DC24V
Operating Temperature	-10°C~+55°C
Relative Humidity	≤95%, non-condensing

Addressable Smoke
and Heat Combined Detector

AW-D303

Operating Voltage	24V(Pulse Modulation)
Operating Current	≤0.5mA (Monitoring Status) or ≤1.5mA (Alarm Status)
Protection Area	60m²
Installation Height	≤8m



Addressable Zone Module

AW-D310

Operating Voltage	Signal Loop 24V(18V~28V) Power 24VDC(20VDC~28VDC)
Standby Current	Loop ≤0.5mA; Power ≤15mA
Action Current	Loop < 2mA; Power < 35mA
Operating Temperature	-10°C~+55°C
Relative Humidity	≤95%, non-condensing



Addressable Gas Detector

AW-D315

Operating Voltage	12V-28V
Operating Current	35mA @ DC24V
Alarm Current	40mA @ DC24V
Operating Humidity	≤95%, without condensation
Alarm Levels	Natural Gas, 10%LEL(±30%)



Addressable Manual Call Point

AW-D305

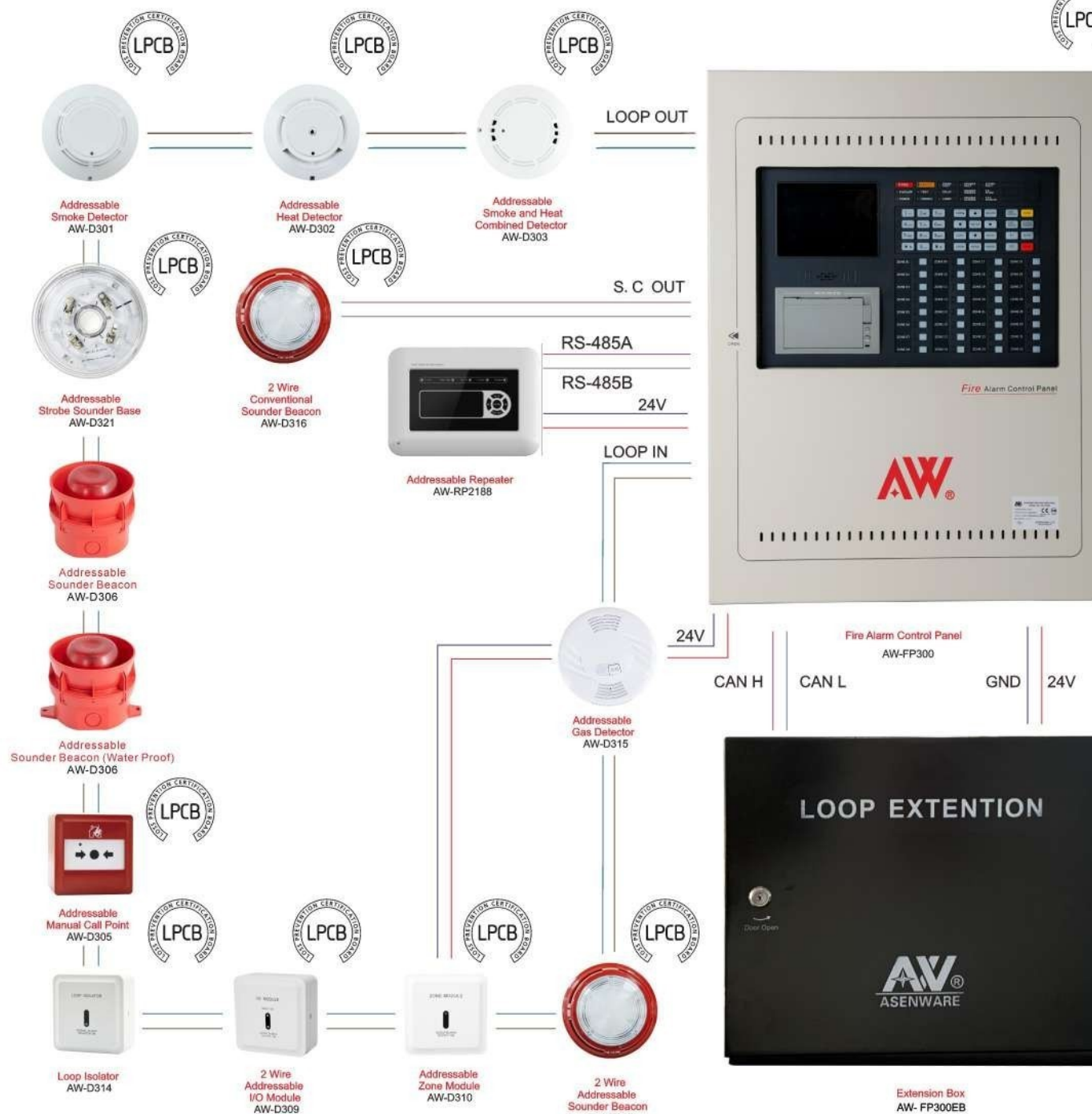
Operating Voltage	Signal Loop 24V(18V~28V) Power 24VDC(20VDC~28VDC)
Standby Current	Loop ≤0.8mA; Power ≤2mA
Action Current	Loop ≤5mA; Power ≤15mA
Output Capacity	1A@DC30V
Input Mode Setting	NC or NO input mode can be set by the jumper JP4.

Extension Box
AW-FP300EB

Extend 1 to 6 Loop cards

AW ASENWARE
Only for Fire Safety

ADDRESSABLE FIRE ALARM CONTROL SYSTEM



AW-FP300 Addressable Fire Alarm Control Panel
1-8 Loop Fire Panel



The purpose of the AW-FP300 Fire Alarm Control Panel (FACP) is to monitor input signals, give indications and possibly activate outputs as programmed. It is designed to comply with EN 54-2 and EN 54-4 with qualities of simple installation, operation and easy maintenance. The AW-FP300 panel is an addressable fire detection panel with 1 loop of 324 addressable points and expansion capabilities. It is compatible with other peripherals made by ASENWARE with its own protocol.

The AW-FP300 single loop 32 zone fire alarm control panel offers the following features
Up to 324 addresses in one loop, 648 addresses in two loops
Easy to read, 4.3" color screen LCD with a resolution of 480x272
Zone indication and control panel (ZCP) for 32 zones gives a quick indication of the location of an alarm or fault
Record capacity of 1000 historical events for each of historical fire, historical fault and historical operation
CAN bus for interconnection of up to 20 FACP's and RS-485 for connection with up to 30 fire indicating panels per FACP

AW-FP312 Addressable Fire Alarm Control Panel



The purpose of the AW-FP312 Fire Alarm Control Panel (FACP) is to monitor input signals, give indications and possibly activate outputs as programmed. It is designed to comply with EN 54-2 with qualities of simple installation, operation and easy maintenance. The AW-FP312 panel is an addressable fire detection panel with 1 loop of 120 addressable points and expansion capabilities. It is compatible with other peripherals with the same protocol.

The AW-FP312 addressable fire alarm control panel offers the following features
One loop with 120 addressable points
CAN network 20pcs panel
Connect with AW-RP2188 for remote indication
Check linked devices status. Support PC set software
Support graphic monitoring software

WIRELESS ADDRESSABLE FIRE ALARM CONTROL SYSTEM



Wireless Addressable Fire Alarm Control Panel
AW-FP128

Addressable Strobe Sounder with Wireless Transmitter
AW-D106A

- Max 20 Wireless devices In one group
- Communication fault monitoring function (Optional)



AW ASENWARE Only for Fire Safety



Addressable Fire Alarm Control System



Wireless Addressable Fire Alarm Control System

2 ASENWARE

ADDRESSABLE FIRE ALARM CONTROL SYSTEM



CLOUD



GMS



BROWSER



GSM



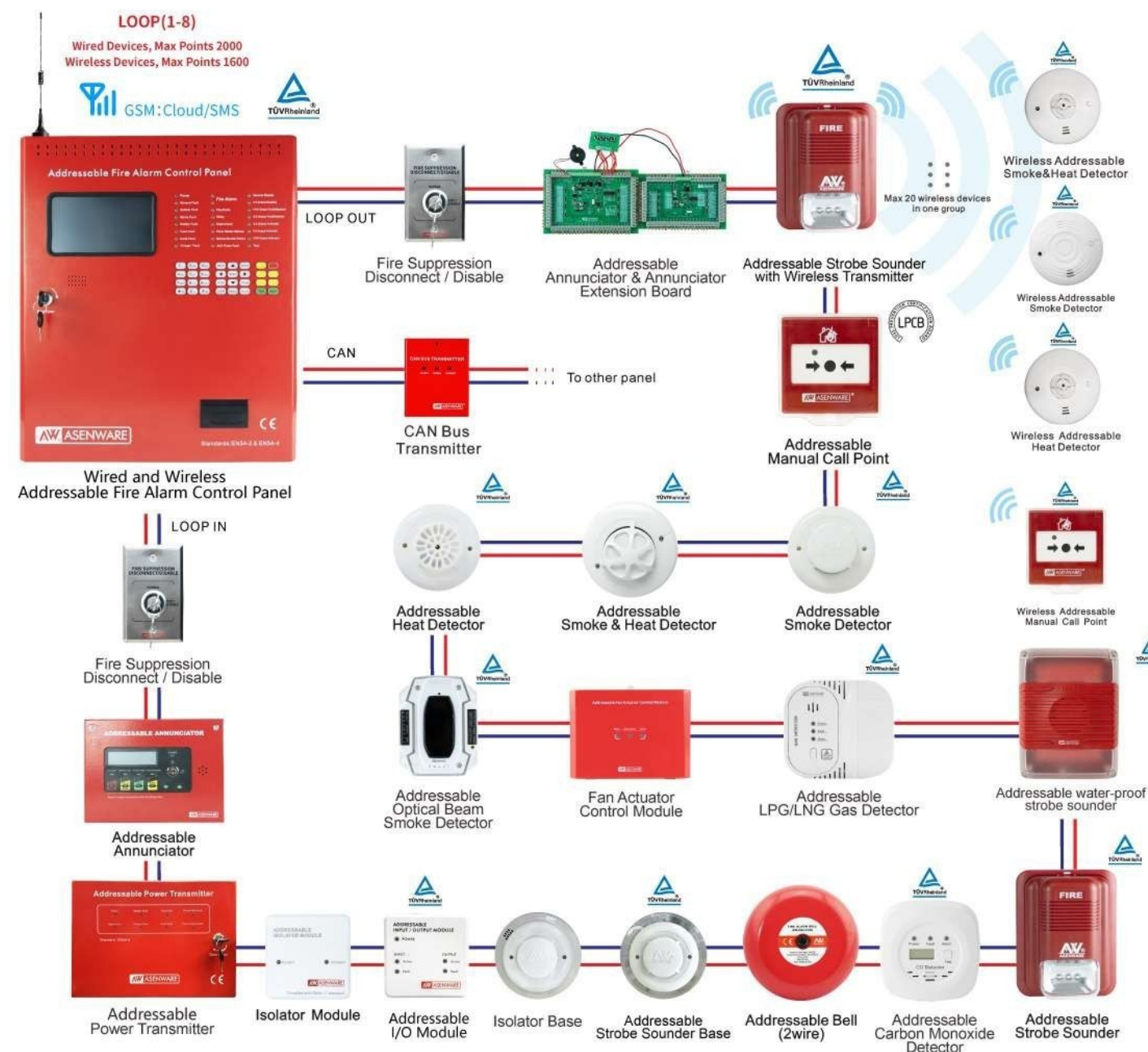
Wireless



P-P NETWORK



LED MiniC Driver



AW-FP128 Wired and Wireless Addressable Fire Alarm Control Panel



AW-FP128 wired and wireless addressable fire alarm control panel has 3.2-inch LCD screen and button, easy to operate. It can connect with 128 wired addressable fire alarm devices and 80 wireless groups. And each wireless group can connect with up to 20 wireless devices, such as wireless addressable detector, wireless addressable manual call point, ect.

The AW-FP128 wired and wireless addressable fire alarm control panel offers the following features
3.2-inch LCD display screen
All wired addressable devices are two-wire, easy to wire
A single loop can connect with 128 wired addressable devices
Up to 999 history records can be saved (save when power off)
There are four access levels
It has a rechargeable backup battery
It has LED indicator, which can show the panel status. When panel alarms, the "Fire Alarm" LED light will be on
Automatic search device
Support panel to panel network, maximum 8 panels. Any one panel can silence, reset and evacuate another panels
It has USB/Type-C settting software, which support setting fire alarm devices status and checking fire history records on computer or laptop
It can bind 20 mobile phone numbers to receive panel alarm information. (The GSM module must be added)
Support multiple languages,including English, Russian, French,Vietnamese,etc
Supports Cloud GMS function
Supports three-level linkage: zone, floor and area. Allows setting fire trigger quantity, delay time, and floor/area spread range, for precise device activation control.

AW-FP200 Wired and Wireless Addressable Fire Alarm Control Panel



The AW-FP200 series addressable fire alarm control panel is designed with 7-inch LCD display touch screen with button operation, easy to operate, and nice human-computer interface.This panel can be connected to 8 loops. Each loop can be connected to 250 devices, such as smoke detectors, heat detectors, input/output modules, each loop can be connected to 10 groups of wireless loops, a group of wireless loops can be connected to 20 devices, such as smoke detector, heat detector, input and output module, etc.

The AW-FP200 fire alarm control panel offers the following features
7 inch color LCD display, touch screen, easy to operate
All wired addressable devices are two-wire, easy to wire
One loop can connect with 250 wired addressable devices and 10 wireless groups
One wireless group can connect with 20 wireless devices
Max 8 loop cards can be installed
Up to 999 history records can be saved (save when power off)
Multiple access levels can be set
It has a rechargeable backup battery
It has LED indicator, which can show the panel status. When panel alarms, the "Fire Alarm" LED light will be on
Automatic search device
Support panel to panel network, maximum 8 panels. Any one panel can silence, reset and evacuate another panels
It has USB/Type-C settting software, which support setting fire alarm devices status and checking fire history records on computer or laptop
It can bind 10 mobile phone numbers to receive panel alarm information.(The GSM module must be added)
Supports Cloud GMS function
Supports three-level linkage: zone, floor and area. Allows setting fire trigger quantity, delay time, and floor/area spread range, for precise device activation control.



Addressable Smoke Detector
AW-D101

Operating Voltage	18V~28VDC
Standby Current	≤2.5mA
Alarm Current	≤3mA
Smoke Sensitivity	0.18-0.3dB/m



Addressable Heat Detector
AW-D102

Operating Voltage	18V~28VDC
Standby Current	≤2.5mA
Fix Temperature Alarm	57°C(135°F)
Heat Response Categories	A1R



Addressable Smoke and Heat Detector
AW-D138

Operating Voltage	18V~28VDC
Standby Current	≤1.5mA
Smoke Sensitivity	0.18-0.3dB/m
Fix Temperature Alarm	57°C(135°F)
Heat Response Categories	A2R



Addressable Alarm Bell
AW-D109

Operating Voltage	18~28VDC @Loop
Standby Current	≤0.5mA
Alarm Current	≤50mA
Alarm SPL	≥98 dB
Size	Dia. 150mm



Addressable Strobe Sounder
AW-D106

Operating Voltage	18~28VDC @Loop
Standby Current	≤3mA
Alarm Current	≤70 mA
Alarm SPL	≥100 dB
Flash Period	1.0 Sec.



Addressable Manual Call Point
AW-D135A

Operating Voltage	24VDC @Loop
Working Current	≤4mA
IP Rating	IP30
Green LED indicator	Normal Condition
Red LED indicator	Alarm Condition



Fire Suppression Disconnect/ Disable
AW-GD209

Switch capacity	3A@30VDC
Size(L*W*H)	115mm(L)*70mm(W)*65mm(D)
Weight	About 320g



Addressable LPG Gas Detector
AW-D132A

Main Voltage	24VDC @Loop
Temperature	-10°C to +50°C (14°F-122°F)
Sounder Level	≥85dB @3m
Ambient Humidity	≤95% RH
Gas Detection	LPG/LNG
Alarm Output	DC12V pulse voltage and relay(COM, NO)



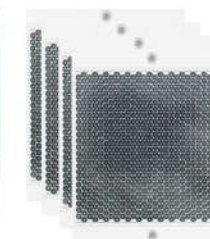
Addressable Carbon Monoxide Detector
AW-D125A

Operating current	20-28VDC @Loop
Standby status	≤5mA
Alarm status	≤20mA
CO Detection Range	0-999 PPM
Standard	EN 50291-1-2018
Temperature	-10°C to +40°C (14°F-104°F)
Ambient Humidity	≤95% RH (non-condensing)

Addressable Optical Beam Smoke Detector (with 4 reflectors)

AW-D130A

AW-D130A Addressable Optical Beam Smoke Detector is composed of panel, interface board, key indicator light, optical mirrors, red laser head, can be configured with Asenware AW-FP200/ AW-FP128 addressable fire alarm panel, each devices can be given an address to help people monitor the location of the device. First positioned by laser, then the screws are adjusted, and the focus is automatically adjusted with one button. No need to open the cover for positioning. The standard configuration of the mirrors is 4 pieces, and the mirror package contains 5 pieces, which need to be purchased separately.



Operating Environment	
Working Voltage:	Loop 24V
Working Current:	Static current≤10mA@DC24V, In normal conditions,fault current≤20mA@DC24V,alarm current≤15mA@DC24V
Working Temperature:-10°C~50°C	Working Humidity: ≤95% RH(non-condensing)
160m Laser Concentricity :≤1°	Relay Load Capacity: 1A@DC24V
Alarm Sensitivity: High≤2.6dB; Medium≤3.8dB; Low≤5dB(default is Medium)	Standard Number Ref: EN54-12
Optical Detection Distance:	5 -160m
Detection distance is less than 20m, install 1 piece mirror	
Detection distance is within 20-100 m, install 4 pieces (2*2) mirrors	
Detection distance is above 100m, install 9 pieces(3*3), including 4 standard mirrors and a mirror package of 5 mirrors	

Addressable water-proof strobe sounder

AW-D150

The AW-D150 addressable water-proof strobe sounder, with an intermittently acoustic signal with intensity and with a flashing LED light.It can be power at 12~28VDC @Loop(typical 24V), 2 wire connection for power, use with AW-FP200 series addressable fire alarm panel, can set location for the strobe sounder, help people quickly locate and eliminate fire hazards, suitable for outdoor project with IP65 protection level.



Technical Specification	
Operating voltage	12~28VDC @Loop
Standby status ≤0.5mA	Alarm status ≤40mA
Wiring	Two wire for power (DC)
Alarm SPL	≥100 dB @1m
Flash period	1.0 sec
Environmental	Temperature range: -10~50°C(14~122°F)
Humidity	5 to 95% RH,non-condensing
IP Code	IP65



ASENWARE Quality Policy:
Our products must comply with international standards, and must be stable and reliable in long term working.

Addressable Isolator Module
AW-D114

AW-D114 is an intelligent addressable isolator module, which can be configured with Asenware AW-FP100/AW-FP200/AW-FP128 Series Addressable Fire Alarm Control Panel. AW-D114 short-circuit isolator module is used to make sure the short circuit on the branch of the loop cannot affect the normal operation of the loop circuit.



Addressable I/O Module
AW-D119

The AW-D119 I/O module is used with AW-FP100/AW-FP200/AW-FP128 series addressable fire alarm control panel. It is mainly used to realize an output control for fire linkage equipment (such as fire alarm bell and strobe horn) and receive the fire signal for the detector which connecting to this module through the input port. And it can receive the feedback signals of the fire linkage equipment so that a judgment on whether or not the fire linkage equipment is operating normally can be done.



Fan Actuator Control Module
AW-D127

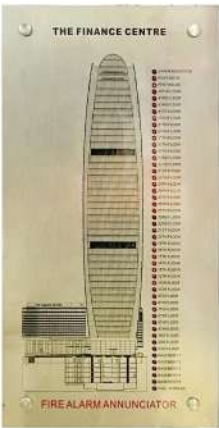
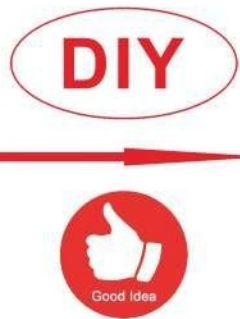
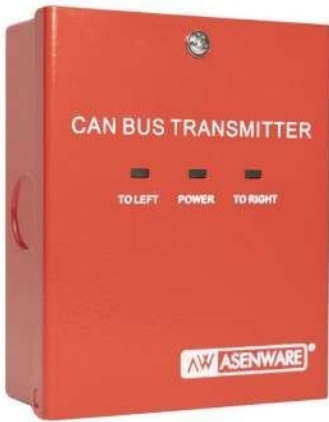
This device AW-D127 is a Fan Actuator Control Module for addressable fire alarm system AW-FP200/AW-FP128 and conventional fire alarm system.

- 1. Easy to install.
- 2. Addressable 2-wire communication technology.
- 3. Control the fan actuator by manual / automatic operation.
- 4. Output Power failure status can be maintained by magnetic retention relay. (Actuator motor open circuit detection)
- 5. Mains Input power failure monitoring function.
- 6. Addressable fire alarm panel communication monitoring.
- 7. Position feedback terminal of fan for more than 85 degree and less than 5 degree.
- 8. Open box detection.



CAN Bus Transmitter
AW-D122

This CAN Bus Transmitter AW-D122 is designed for extend the distance of CAN Bus communication. It is suggested to be installed over each 400 meters.



Annunciator

LED Repeater

Addressable Annunciator & Annunciator Extension Board
AW-D117 & AW-D118

AW-D117 & AW-D118 Addressable Annunciator & Annunciator Extension Board are devices that can monitor and display fire/fault status of addressable devices or zones, and can remotely silence and reset fire alarm panel. It is designed to cooperate with AW-FP series addressable fire alarm panel. It is equipped with a keypad and buzzer.

Features	
Communication mode:	AW-D117 annunciator communicate with fire alarm panel through CAN, can remotely silence and reset fire alarm panel. AW-D118 extension board connect with AW-D117 through RS458
Monitor status of addressable devices or zones	Communication Baud Rate adjustable
Working Voltage: 14 -28VDC	Standby Current:≤ 70mA 24VDC
Indication Quantity:	A single AW-D117 annunciator can supports up to 64 zones, and can connect up to 31 pieces AW-D118 Annunciator Extension board, maximum 2000 devices can be supported

Addressable Annunciator
AW-D116

Features
Three lines in LCD, each line 40 characters
LED indication for alarm, fault and supervisory
Push buttons to acknowledge the silence
Lamp test from key switch
2.6-inch displaying screen, multiple languages
Two connection communication modes (CAN/LOOP)
Permission lock
Buzzer indication
Reset button and silence button controlling the connecting fire alarm panel



Isolator base
AW-D115

AW-D115 isolator base (hereinafter referred to as AW-D115), mainly used to isolate a short circuit on the detector, to make sure other devices on the bus(including Loop in addressable system and 24VDC in conventional system) to ensure normal operation.



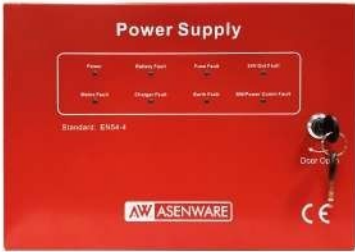
Programmer
AW-PR101L

Addressable Detector
Strobe Sounder Base
AW-D120

4G GSM Module
AW-FP100GSM-4G

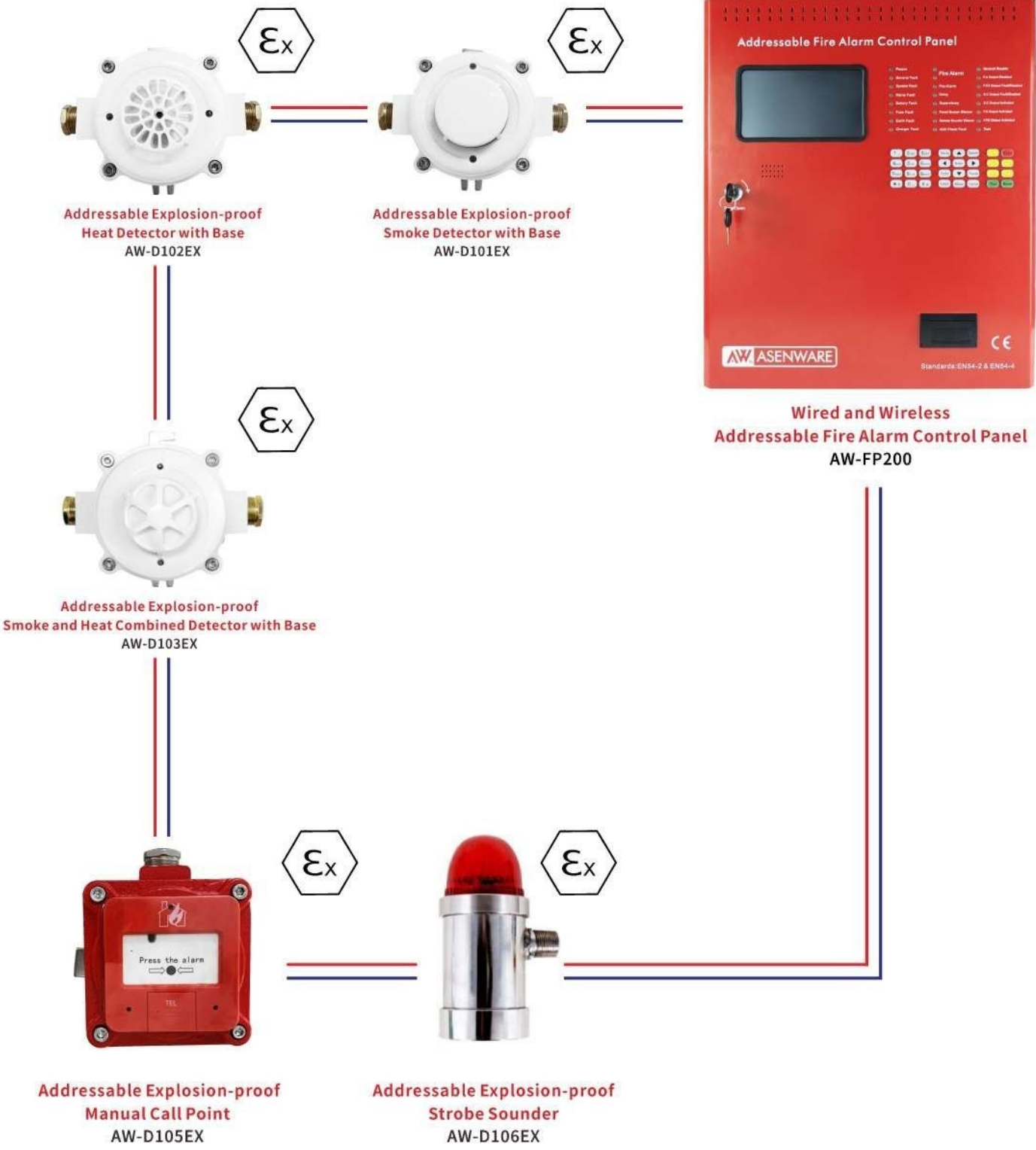


Addressable power transmitter
AW-D121



Conventional power supply box
AW-D121C

AW-FP200 Addressable Fire Alarm System	AW-CFP2166 Conventional Fire Alarm & AW-FP300 Addressable Fire Alarm System
3A@24VDC output	24VDC output short circuit protection function
	Selectable input modes to reset 24VDC output
EN54-4 standard	
Include battery charger, 12V2.3AH *2 batteries optional	
Function: to provide auxiliary power when there is no enough power from panel to devices	





Addressable Explosion-proof
Smoke Detector with Base
AW-D101EX

Main Voltage:	Loop 24VDC
Operating current:	Monitor: $\leq 1.2\text{mA}$ Alarm: $\leq 2.5\text{mA}$
Smoke Alarm Sensitivity:	0.18dB/m~0.3 dB/m
Ex-Atex Protection Level:	Gb/Exib Dt DA21 IP65 T85
Temperature range:	-10 to 50°C



Addressable Explosion-proof
Heat Detector with Base
AW-D102EX

Main Voltage:	Loop 24VDC
Operating current:	Monitor: $\leq 1.2\text{mA}$ Alarm: $\leq 2.5\text{mA}$
Fixed temperature:	alarm 57°C(135°F) A1R
Ex-Atex Protection Level:	Gb/Exib Dt DA21 IP65 T85
Heat Response Categories:	A1R



Addressable Explosion-proof
Smoke and Heat Combined Detector with Base
AW-D103EX

Main Voltage:	Loop 24VDC
Operating current:	Monitor: $\leq 1.2\text{mA}$ Alarm: $\leq 2.5\text{mA}$
Smoke Alarm Sensitivity:	0.18dB/m~0.3 dB/m
Ex-Atex Protection Level:	Gb/Exib Dt DA21 IP65 T85
Heat Response Categories:	A2R



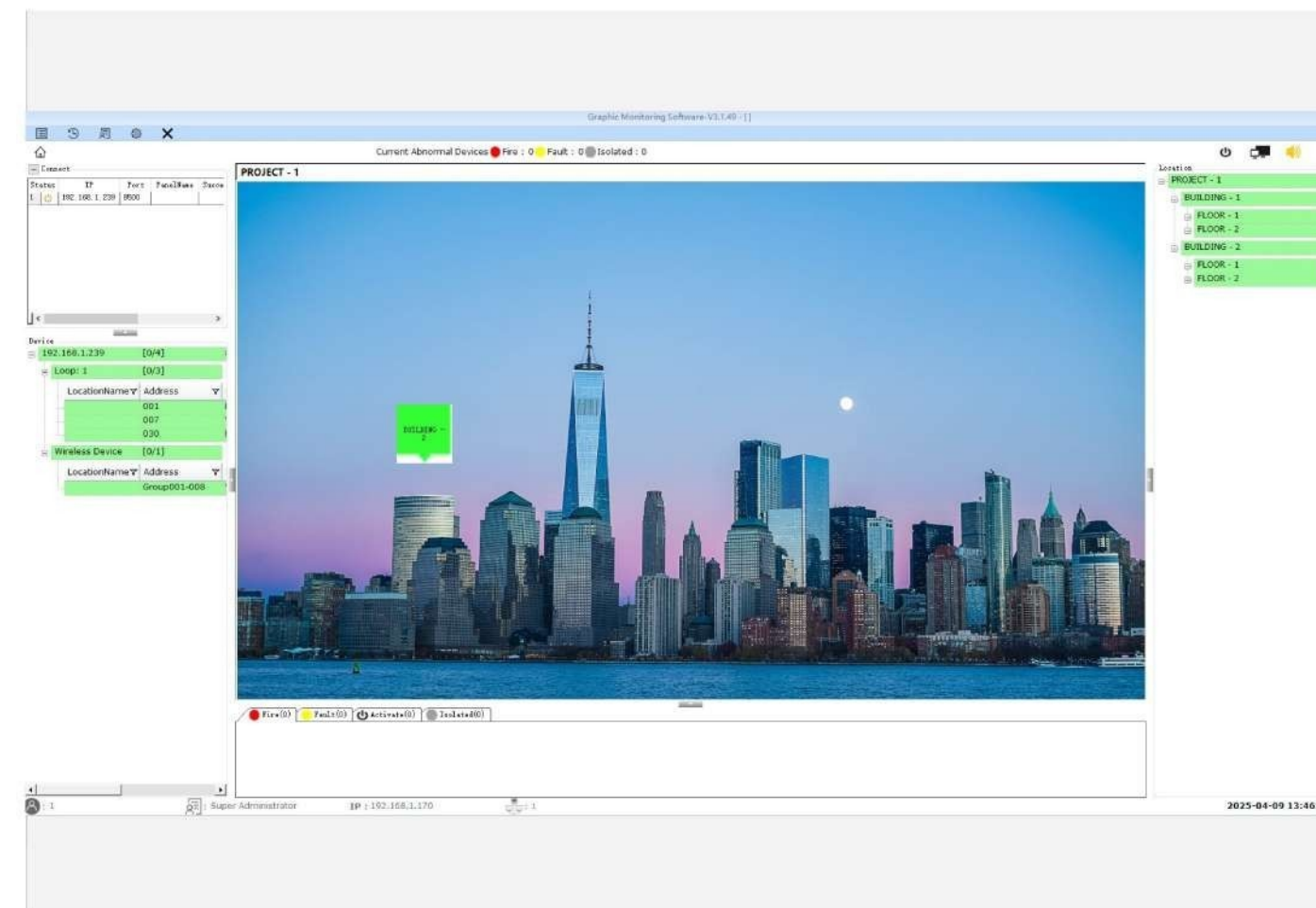
Addressable Explosion-proof
Strobe Sounder
AW-D106EX

Main Voltage:	Loop 24VDC
Operating current:	Monitor: $\leq 1.2\text{mA}$ Alarm: $\leq 250\text{mA}$
SPL:	110dB-120dB
Ex-Atex Protection Level:	Gb/Exib Dt DA21 IP65 T85
Temperature range:	-10 to 50°C



Addressable Explosion-proof
Manual Call Point
AW-D105EX

Main Voltage:	Loop 24VDC
Alarm Current:	$\leq 10\text{mA}$
Ex-Atex Protection Level:	Exd II Ct6
Temperature range:	-20 to 50°C



Features

Support LAN mode

Multi level management

User-friendly, easy to operate and manage

Can casually drag the fire alarm devices icon in the software layout

Fire or fault messages can be monitored in the graphic monitoring software

New Cloud GMS software (for computers) and a browser (for mobile) to enable real-time, cross-regional project monitoring via the Internet and cloud servers.



Fire Alarm Control Panel AW-FP032

Features	
Full wireless fire alarm control panel	
Maximum wireless detectors:99pcs	
Wireless transmitter distance>1km(at wide area)	
Alarm sound:>100dB@1m	
3.7V,2000mAh battery inside	
Standby time>24H,Alarm time>0.5H	
GSM message available	
Optional GSM module, can support for both cloud function and SMS function (up to 10 mobile phone numbers)	
Optional Wi-Fi function: work through Tuya app, then can check devices situation at phone	

Technical Specification	
Rated input voltage	100V-240VAC, 50Hz/60Hz
Standby battery	2000mAh 3.7V/ lithium battery
Working environment	Relative humidity (<95%) at -20 ~50 °C, no condensation)
Number of connected devices	99PCS

Auto Dialer AW-FT201

Features	
Once get emergency input ,send SMS to all numbers and automatically call by GSM or wired dial	
20x pre-saved phone numbers	
4x Emergency input	
2x Output programmable	
1x RS485	
1x USB for programming	
Local voice monitoring	



AW ASENWARE Only for Fire Safety

CONVENTIONAL FIRE ALARM CONTROL SYSTEM

AW-CFP2166 Conventional Fire Alarm Control Panel

1-32 Zone Fire Alarm Panel



Conventional
Fire Alarm Control Panel
1 Zone
AW-CFP2166-1

Conventional
Fire Alarm Control Panel
2/4 Zone
AW-CFP2166-2
AW-CFP2166-4

Conventional
Fire Alarm Control Panel
6/8 Zone
AW-CFP2166-6
AW-CFP2166-8

Conventional
Fire Alarm Control Panel
12/16/32 Zone
AW-CFP2166-12 AW-CFP2166-16
AW-CFP2166-20 AW-CFP2166-24
AW-CFP2166-28 AW-CFP2166-32

Features	
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 levels control mode by a lock	It has an optional GSM module for fire alarm by SMS
Max points of each zone: 16 PCS (including MCPs)	Optional 12V 2.3Ah High-capacity batteries, automatic power switch over
Fault supervision and notification	2 relay output circuits
2 sounder output circuits	2 wires RS485 bus system
Sounders and panel buzzer silence	Smaller size and easier for installation



Conventional Photo-Electric Smoke Detector
AW-CSD381

Conventional Photo-Electric Smoke Detector
AW-CSD381-4W

	AW-CSD381	AW-CSD381-4W
Main Voltage	9-28VDC	9-28VDC/24-60VDC
Monitoring Status	≤120uA	≤120uA @NO ≤12mA @NC
Alarm Status	≤15mA	≤20mA @NO ≤5mA @NC
Alarm Sensitivity	AW-CSD381: 0.08 to 0.11dB/m AW-CSD381-4W: 0.18 to 0.3dB/m	



Conventional Photo-Electric Smoke Detector
AW-CSD311

Main Voltage	9-28VDC
Monitoring Status	≤120uA
Alarm Status	≤15mA
Alarm Sensitivity	0.18 ~ 0.3 dB/m



Rate of Rise Temp Heat Detector
ROR/A2R AW-CTD382

Rate of Rise Temp Heat Detector
ROR/A2R AW-CTD382-4W

	AW-CTD382	AW-CTD382-4W
Main Voltage	9-28VDC	
Monitoring Status	≤120uA	≤120uA @24VDC NO ≤12mA @24VDC NC
Alarm Status	≤15mA	≤20mA @24VDC NO ≤5mA @24VDC NC
Fix Temperature Alarm	57°C(135°F)	
Rate of Rise Alarm	7.1°C/5s	



6 Inch Fire Bell
AW-CBL2166-6

Working Voltage	20V-28VDC
Working Current	≤50mA@24VDC
Sound Level	≥98dB @1m
Polarized with 2 diodes	



8 Inch Fire Bell
AW-CBL2166-8

Working Voltage	20V-28VDC
Working Current	≤50mA@24VDC
Sound Level	≥100dB@1m
Polarized with 2 diodes	



Horn Strobe
AW-CSS2166-4

Operating Voltage	12~24VDC
Operating Current	≤110mA
Sound Level	≥90~115dB (adjustable)@1m
Flash Period	≤2.0 S
IP Rating	IP33



Rate of Rise Temp Heat Detector
ROR/A2R
AW-CTD321

Main Voltage	9-28VDC
Monitoring Status	≤120uA
Alarm Status	≤15mA
Fix Temperature Alarm	57°C(135°F)
Rate of Rise Alarm	7.1 °C/5s



Conventional Combined Smoke And Heat Detector
AW-D138C

Conventional Combined Smoke And Heat Detector
AW-D138C-4W

	AW-D138C	AW-D138C-4W
Operating voltage	9-28VDC	
Standby Current	≤120uA @Zone 24VDC	≤120uA @24VDC NO ≤12mA @24VDC NC
Maximum Alarm Current (LED on) @Zone 24VDC	≤20mA	≤20mA @24VDC NO ≤5mA @24VDC NC
Heat Response Category	A2R	



4 Wire Conventional UV Flame Detector
AW-D146R

Operating Voltage	12~28VDC
Alarm level	≥85dB /3m
Sensitivity	Grade 1
Operating Temperature	-10°C~50°C



Horn Strobe
AW-CSS2166-5

Operating Voltage	12~28VDC
Operating Current	≤300mA
Sound Level	≥105dB@1m
Flash Period	≤2.0 S
Alarm Sound Types	1 kind



Conventional Strobe Sounder
AW-CSS2166-3

Operating Voltage	12~24VDC
Operating Current	30mA
Sound Level	≥88dB@1m
Flash Period	≤2.0S
Alarm Sound Types	1 kind



Entrance LED Indicator
AW-EL102

Operating Voltage	1.9~2.5VDC
Operating Current	≤5mA
Product Size	70.5*36* 38 mm
Embedded Hole Size	Length:26.5mm
	Width: 55.5 mm
	Depth:> 8mm



Conventional Manual Call Point
AW-D135C

Operating Voltage	16~24VDC
Working Current	≤15mA
IP Rating	IP30
Green LED indicator	Normal Condition
Red LED indicator	Alarm Condition



Horn Strobe
AW-CSS2166-2

Operating Voltage	12-24VDC
Operating Current	≤50mA
Sound Level	≥100dB@1m
Flash Period	≤1.0 S



Conventional Sounder Beacon
AW-D316

Operating Voltage	24VDC(20V ~ 28V)
Operating Current	≤100mA
EN54-21 Coverage	C-3-8/W-2.4-6
Flash Color and Frequency	White, 0.5Hz
Light Output Synchronization	Meets EN54-23
Sound Level	≥75dB@1m



Dust Smoke Detector
AW-CSD313

Main Voltage	Zone 24V or 12V
Operating current	Monitoring status≤120uA, Alarm status≤15mA
Protection Class	IP 30
Smoke Alarm Sensitivity	0.18~0.3 dB/m
Environmental	Class A temperature range: -10 to 50°C (14~122°F) Humidity: 5 to 95% RH, non-condensing



Fire Alarm Repeater
AW-CRP2166

Operating Voltage	18~24VDC
Communication Method	RS485
Reset & Silence Function	Available
Working Humidity	5 to 95%RH
Working Temperature	-5 ~ 40°C
GSM module	Optional
Size	187.5mm*270mm*35mm



Water-proof Strobe Sounder
AW-D106C

Operating Voltage	85~264VAC or 10~28VDC (typical 24V)
Operating Current	Alarm status≤85mA @24VDC
Wiring	Two wire for power (AC or DC)
	Two wire for buzzer silence (optional)
Alarm SPL	≥105 dB @1m (85~264V or 24VDC)
Flash Period	1.0 sec
IP Code	IP65



**Standalone Wireless Battery
Wifi Smoke Detector**
AW-D611W

Operating voltage	9VDC
Monitoring Status	≤8uA
Alarm Status	≤400mA
Alarm SPL	≥85dB@3m



**Standalone Smoke Detector
With Blister Pack**
AW-D611

Operating voltage	9VDC
Monitoring Status	≤8uA
Alarm Status	≤20mA
Alarm Sensitivity	0.18~0.26 dB/m
Alarm SPL	≥85db@3m



10 Years Standalone Smoke Detector
AW-D615

Operating voltage	3VDC
Monitoring Status	≤8uA
Alarm Status	≤20mA
Alarm Sensitivity	0.18~0.30 dB/m
Alarm SPL	≥85db@3m



**10 Years Standalone
Battery Heat Detector**
AW-D616

Operating voltage	3VDC
Monitoring Status	≤8uA
Alarm Status	≤20mA
Alarm SPL	≥85db@3m



Standalone Heat Detector
AW-D612

Main Voltage	9VDC
Monitoring Status	≤8uA
Alarm Status	≤20mA
Weight	about 120g
Alarm SPL	≥85db@3m



Conventional 4 Wire CO detector
AW-D125C
Standalone battery CO detector
AW-D125S

Operating Voltage	20-28VDC or 3V battery
Standby Current	≤10mA
Alarm Current	≤20mA
Detection Range	0~999 PPM



Standalone LPG Gas Detector
AW-D132

Operating Voltage	24VDC&220VAC
Alarm Output	12VDC pulse voltage and relay
Alarm SPL	≥85dB @3m
Value of Detection Threshold	LPG: Propane 1890ppm (9%LEL) Butane 1900ppm (10%LEL) LNG: Methane 3500ppm (7%LEL)



Standalone Gas Detector Control Valve
AW-EMV15

Applicable Gas	Natural gas, liquefied petroleum gas
Closing Mode	Direct current pulse drive/ manual
Rated Voltage	9~12VDC
Output Mode	Normally open
Nominal Diameter	DN15.DN20



4G GSM Module
AW-GSM200

Main-Voltage	9-28VDC
Operating current	≤200mA
Temperature range	-5°C to 40°C
Ambient Humidity	5-95% RH

Conventional Optical Beam Smoke Detector (with 4 reflectors)

AW-D130C



AW-D130C Conventional Optical Beam Smoke Detector is composed of panel, interface board, key indicator light, optical mirrors, red laser head. It is first positioned by laser, then the screws are adjusted, and the focus is automatically adjusted with one button. It don't need to open the cover for positioning. The standard configuration of the mirrors is 4 pieces, and the mirror package contains 5 pieces, which need to be purchased separately.

Operating Environment		
Working Voltage:	24VDC	
Working Current:	Static current ≤10mA@24VDC, In normal conditions, fault current ≤20mA@24VDC, alarm current ≤15mA@24VDC	
Working Temperature:-10℃~50℃	Working Humidity: ≤95%RH (non-condensing)	
160m Laser Concentricity :≤1°	Relay Load Capacity: 1A@24VDC	
Alarm Sensitivity: High≤2.6dB; Medium≤3.8dB; Low≤5dB(default is Medium)		Standard Number Ref: EN54-12
Optical Detection Distance:	5 -160m	
Detection distance is less than 20m, install 1 piece mirror		
Detection distance is within 20-100 m, install 4 pieces (2*2)		
Detection distance is above 100m, install 9 pieces(3*3), including 4 standard mirrors and a mirror package of 5 mirrors		

Infrared Linear Reflex Beam Smoke Detector

AW-BK901

The AW-BK901 infrared linear reflex beam smoke detector, is being designed for fire prevention in the open area, is used with the fire alarm control panel.The detector is made up of the combination unit of the emitter and the receiver as well as the reflecting mirror .The signal issued by the emitter enters into the receiver after reflection by the reflector.



Operating Environment	
Power supply voltage: 16V-28VDC	Alarm current: <33mA
Overall power consumption: <3W	Debug current: <20mA
Monitoring current <12mA	
Use conditions:Temperature:-10°C~+50°C , Relative humidity <95%	
Protective area:The maximum protective area of the detector is 1400m2 (14x100=1400m2) and the maximum width is 14m	
AW-BK901-20 20meters with 1 reflector	
AW-BK901-40 40meters with 1 reflector	
AW-BK901-70 70meters with 4 reflectors	
AW-BK901-100 100meters with 4 reflectors	

WIRELESS FIRE ALARM SYSTEM



**Wireless Conventional Fire Alarm
Control Panel
AW-CFP2166-4W**

- AW-CFP2166-4W Wireless version features:**
- 1.Can connect both wired and wireless devices
 2. Each zone can connect up to 20 wireless devices and 20 wired devices,increasing the capacity of each zone
 3. Wireless detectors are low power cost and can be used for up to 5 years
 - 4.Each wireless detector contains a sounder, alarm>75db
 - 5.The control panel can remotely reset and mute the wireless detector



**Wireless Standalone LPG Gas Detector
AW-D132W**

Operating Voltage	5VDC (With AC adaptor)
Operating Temperature	-10°C to +40°C
Ambient Humidity	≤95% RH
Gas Detection	LPG/LNG
Alarm SPL	85 dB @3m
RF Frequency	433MHZ(418-448MHZ)



**Wireless CO Detector
AW-D125L**

Operating Voltage	3V battery
Standby Current	≤15mA
Alarm Current	≤120mA
Detection Range	0-999 PPM
RF Frequency	433MHZ(418-448MHZ)



**Wireless Conventional Fire Alarm
Control Panel
AW-CFP2166-4W**



**Addressable Strobe Sounder
with Wireless Transmitter
AW-D106A**

• Max 20 Wireless devices In one zone

The below wireless devices are suitable for
Wireless Conventional Fire Alarm
Control Panel
AW-CFP2166-4W



**Wireless Addressable Smoke Detector
AW-D603L**

Operating Voltage	3V DC
Alarm level	≥85dB /3m
Smoke Alarm Sensitivity	0.18-0.3dBm
Operating Temperature	0 - 40°C (32~104°F)
RF Frequency	433MHZ(418-448MHZ)



**Wireless Addressable Heat Detector
AW-D604L**

Operating Voltage	3V DC
Alarm level	≥85dB /3m
Fix Temperature Alarm	57°C (135°F) A2R
Rate-of-Rise Alarm	≥10°C/2M A2R
RF Frequency	433MHZ(418-448MHZ)



**Wireless Addressable Smoke & Heat Detector
AW-D605L**

Operating Voltage	3V DC
Alarm level	≥85dB /3m
Fix Temperature Alarm	57°C (135°F) A2R
Rate-of-Rise Alarm	≥10°C/2M A2R
RF Frequency	433MHZ(418-448MHZ)



**Wireless Strobe Sounder
AW-D106A**

Operating Voltage	Loop 24V
Operating Frequency	428MHz to 438MHz
Protection class	IP30
Alarm SPL	≥100dB @1M
Flash Period	1.0 Sec.
RF Frequency	433MHZ(418-448MHZ)



**Wireless Manual Call Point
AW-D135W**

Operating Voltage	3V DC
Operating Frequency	428MHz to 438MHz
IP Rating	IP30
Green LED indicator	Normal Condition
Red LED indicator	Alarm Condition
RF Frequency	433MHZ(418-448MHZ)



**Wire and Wireless
Addressable Programmer
AW-PR101L**

Working Voltage	4.5V~7V DC
Rated Current	≤150mA
Battery	AAA*4



**Fire Alarm Control Panel
AW-FP032**

• Max 99 Wireless devices

The below wireless devices are suitable for
Fire Alarm Control Panel
AW-FP032



**Wireless Addressable
Smoke Detector
AW-D603L**



**Wireless Addressable
Heat Detector
AW-D604L**



**Wireless Addressable
Smoke and Heat Detector
AW-D605L**



**Wireless Addressable
Manual Call Point
AW-D135W**



**Wireless Standalone
LPG Gas Detector
AW-D132W**



**Wireless CO Detector
AW-D125L**



ASENWARE Quality Policy:
Our products must comply with international standards, and must be stable
and reliable in long term working.

Gas Alarm Control Panel
AW-CGD2166EX-Panel

Gas alarm control panel AW-CGD2166EX-Panel is a convenient operation, flammable/toxic gas alarm controller. It can be used with gas detector to form industrial gas alarm system. This product is made of industrial bus, RS485 digital signal is transmitted far away, with strong anti-interference ability and long transmission distance. The controller adopts high-performance processor, which can complete communication alarm within 2 seconds. The controller can connect up to 99 detectors, each detector can set two alarm values, one alarm output. At the same time, it can record 1050 pieces of information .

Technical Specification	
Detection object	All types of gases
Detection range	0~100%LEL/0~N%vol 0~N μmol/mol (The range is determined by the gas sensor)
Alarm volume	≥80dB
Alarm value	High/low alarm value
Power supply	AC220V,50Hz
Working environment	temperature: -20℃~50℃ humidity: ≤95%RH



Explosion-Proof Gas Detector
AW-CGD2166EX

AW-CGD2166EX intelligent digital readout transmitter is a four-wire system and meets the international standard digital transmitter which can convert the gas concentrations into standard a 4-20mA current signal. It's suitable for the industrial LED to display and the sensor is easy to use and plug and play. AW-CGD2166EX has many advantages: high performance, stable and reliable operation, easy to install and maintain, and it can measure full range of gas and so on, which can meet the high demand in the industrial site safety monitoring. It's widely used in petroleum, chemical, engineering,metallurgy, petrochemical, gas transmission and distribution, biochemical, medicine,water treatment and other industries.



Types of Combustible Gas

CH ₄	C3H8	C6H14	Gasoline	C2H6O
CH ₄ O	C3H6	C7H16	Mixture	CH ₂ CL ₂
C7H8	C3H6O	C8H18	C10-H16	C4H8O ₂
C2H6	C4H10	C6H6	C4H10	C6H12O ₂
C2H4	C4H8O	C8H10	C3H8O	C2H4O
C2H2	C4H6	C8H12	C2H5CL	C3H6O
C2H6O	C5H12	H ₂	Br ₂	Prop+But
C5H10				

Types of Toxic Gas

CO	O ₂	O ₃	H ₂ S	H ₂
CL ₂ .	NH ₃ .	SO ₂	NO	NO ₂
CH ₂ O	HCL	HCN	EX	NH ₃ H

AW ASENWARE
Only for Fire Safety

ASPIRATING SMOKE
DETECTION SYSTEM

- Aspirating Smoke Detection System
- Waterproof Fire Alarm Product
- Explosion Proof Fire Alarm Product



Aspirating Smoke Detection System
(Cloud Chamber Technology)
AW-AS200

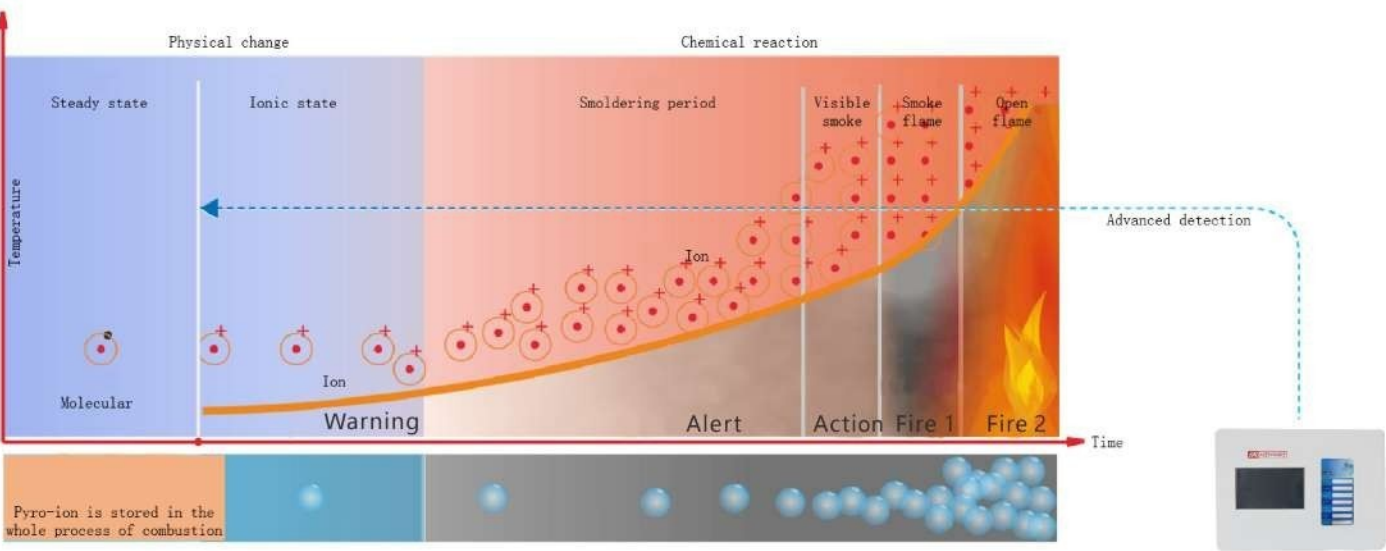
AW-AS200 Features
Ultra early fire alarm by detecting pyroelectric smoke ions (sparks), can detect particles as small as 2 nanometers
Iconic sensors, with high accuracy, fast response and low false alarm rate
Upto 100 pcs sampling holes, protection area upto 2000 m ²
Cloud chamber analysis technology
RS485 communication function
With high sensitivity of 0.0002 to 28%(obs/m)



Aspirating Smoke Detection System
(Laser Cavity Technology)
AW-AS100

AW-AS100 Features
Ultra early fire alarm by detecting smoke particles (continue smoke)
Laser sensor, faster fire detection and enhanced safety
Upto 100 pcs sampling holes, protection area upto 2000 m ²
Laser cavity analysis technology
RS485 communication function
With high sensitivity of 0.005 to 20%(obs/m)

Combustion analysis:

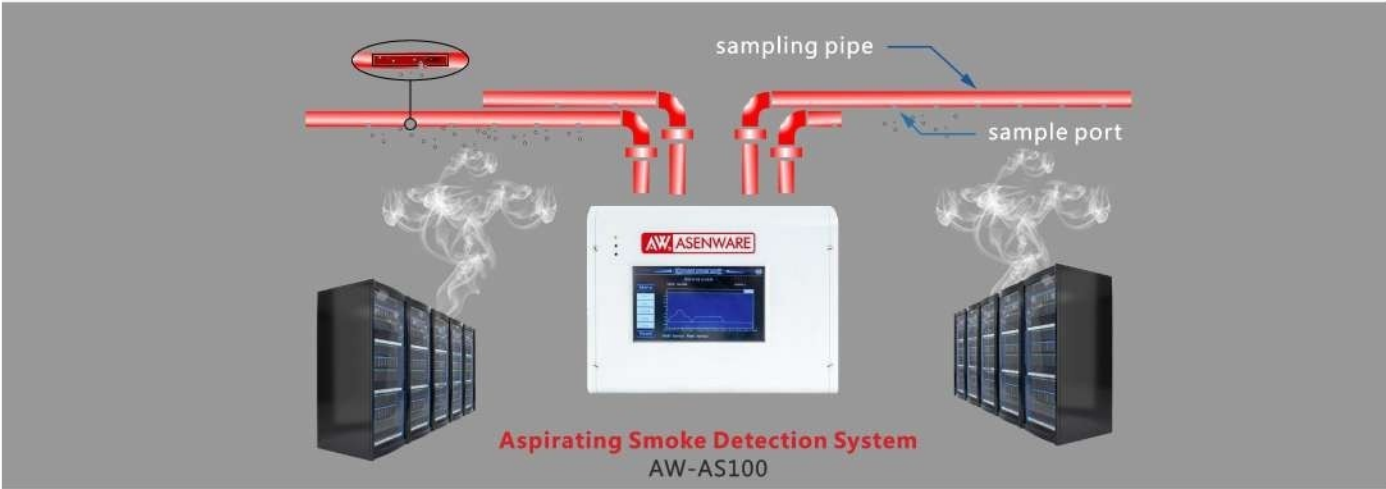
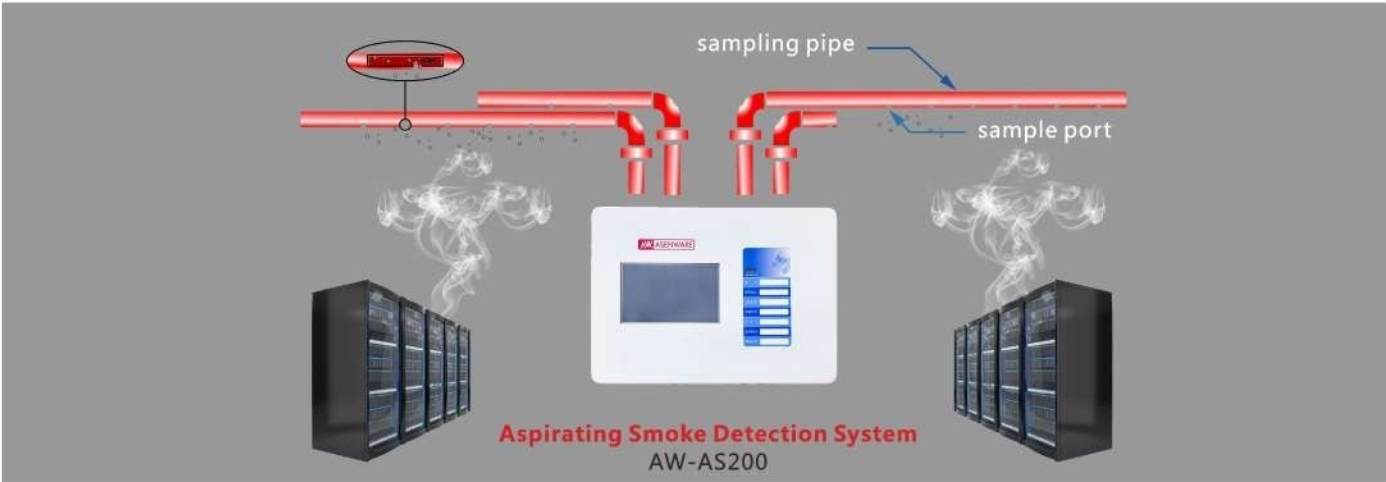


WATERPROOF FIRE ALARM PRODUCT



Weatherproof Fire Alarm Series

Features
Weather proof
Dust proof
Good sealing
Quality assurance



Horn Strobe
AW-CSS2166-4W

Operating Voltage	12~28VDC
Operating Current	≤100 mA
Sound Level	≥100dB@1m
Flash Period	≤2.0 S
IP Rating	IP33



Water-proof Strobe Sounder
AW-D106C

Operating Voltage:	85~265VAC or 10~28VDC
Operating Current	≤250mA @ 24VDC
Sound Level	≥105dB @ 1m
Flash Period	≤1.0 S
IP Rating	Ip65



Smoke Detector Weatherproof Base
AW-WB02

Applicable Products
Suitable for most models
of smoke detector

Features
Diameter: 116mm
Inner diameter: 112.5mm
Aperture: 34mm
Height: 64mm



Weatherproof Box
AW-WB001



Conventional
Manual Call Point
AW-D135C

Features
Protection level:IP67
Function:Dust-proof;Rain-proof
L*W*H:176*125*72mm

EXPLOSION PROOF FIRE ALARM PRODUCT

Explosion-Proof Infrared Beam Smoke Detector

AW-BK901EX

The AW-BK901EX type explosion-proof infrared beam smoke detector is a non-coded reflective linear infrared beam smoke detector. The detector must be used in conjunction with the reflector, and one or four reflectors should be used according to the installation distance between the two devices.

The detector has advanced functions and powerful analysis and judgment capabilities. Through our original program, it can automatically complete system debugging, compensation for changes in the external environment, fire alarm and fault judgment, and the output status is displayed through indicator lights and terminals.

Features
Reasonable structure design
Sensitive adjustment, accurate positioning
Good performance, easy to install



Explosion-proof optical
smoke detector
AW-CSD381EX

Explosion-proof heat detector
AW-CTD382EX

Explosion-proof
smoke and heat combined detector
AW-CSH831EX

Model No.	AW-CSD381EX	AW-CTD382EX	AW-CSH831EX
Operating Voltage	DC24V ±3V(polarity)	DC24V ±3V(polarity)	DC24V ±3V(polarity)
Monitoring Current	≤60μA	≤60μA	≤60μA
Alarm Current	10mA~30mA	10mA~30mA	≤30mA
Power Time	≤10S	≤10S	≤10S
Working Humidity	≤95% non-condensing	≤95% non-condensing	≤95% non-condensing
The outlet thread	G20	G20	G20



Explosion-proof fire alarm bell
AW-CBL2166EX

Main Voltage	24 VDC
Operating current	Alarms≤25 mA
Ex-Atex Protection Level	Exd II CT6 Gb
Size (L*W*H)	260* 152* 80mm
Sound(SPL)	95dB~100dB



Explosion-proof safety barrier
AW-D137EX

Main Voltage	DC 24V
Operating current	Alarms≤25 mA
Ex-Atex Protection Level	Exd II CT6 Gb
Size (L*W*H)	260* 152* 80mm



Explosion-proof strobe sounder
AW-CSS2168EX

Main Voltage	DC 24V
Operating current	Alarms≤250 mA
Ex-Atex Protection Level	Exd II CT6 Gb
Size (L*W*H)	260* 152* 80mm
Sound(SPL)	75dB~95dB



Explosion-proof siren
AW-SP04EX

Main Voltage	24 VDC
Alarm Current	≤600 mA
Atmospheric Pressure	80kPa ~ 110kPa
Outlet Thread	G1/2
Sound(SPL)	90dB~110dB



Explosion-proof weatherproof
strobe sounder
AW-CSS2167EX

Explosion-proof manual call point
AW-D135EX

Explosion-proof fire strobe
AW-CSS2166EX


Model No.	AW-CSS2167EX	AW-D135EX	AW-CSS2166EX
Operating Voltage	DC 24V	DC 24V	DC 24V
Standby Current	≤250mA	10mA	≤50mA
Operating Humidity	≤95% non-condensing	≤95% non-condensing	≤95% non-condensing
Working Temperature	-20 °C ~ + 50°C	-20 °C ~ + 50°C	-20°C~+50°C
Sound Pressure Level	110-120dB	N/A	N/A
Size	82mm, Height:170mm	130*135*64mm	152mm, Height:165mm


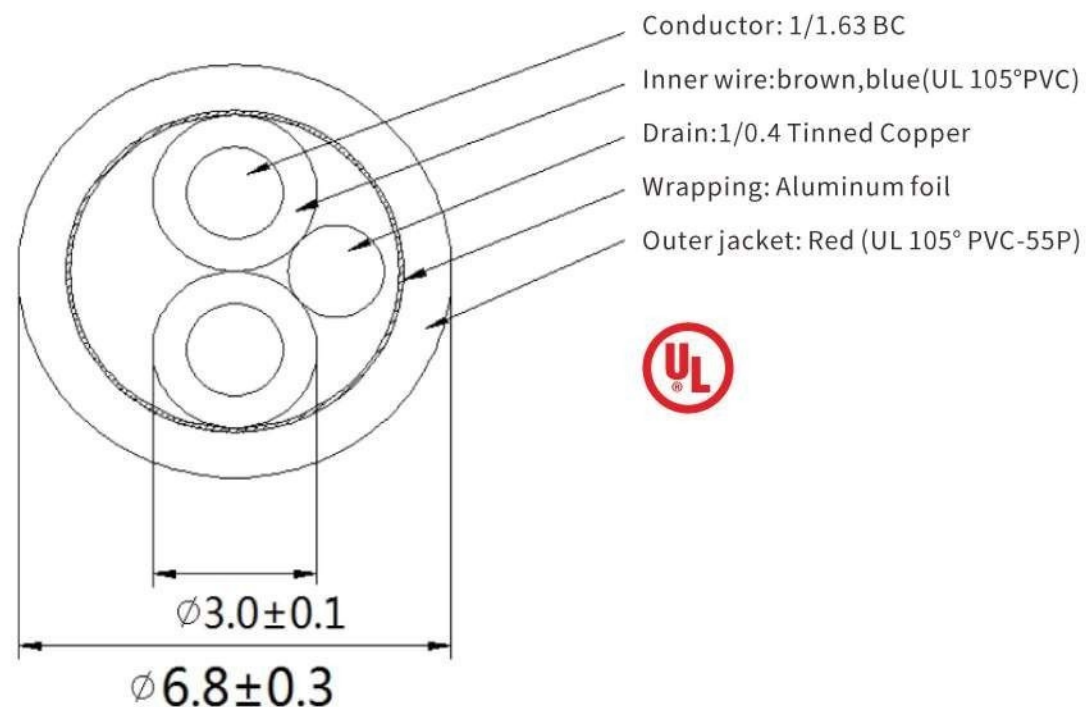


Product Name	Explosion-proof Ultraviolet & Infrared 3 Flame Detector	Explosion-proof Ultraviolet Flame Detector
Model	AW-FD704EX	AW-FD706EX
Spectrum Range	UV(185-260nm),IR (3.8um/4.3um/5.0um)	UV 185-260nm
Detection Angle	120°	120°
Sensitivity Level	Sensitivity adjustable in three levels (set by magnetic stick)	Grade I
Main Voltage	24VDC(18-30VDC)	24VDC(18-30VDC)
Ex-Atex Protection Level	Exd IIC T6 Gb/Ex tD A21 IP66 T80°C	Exd IIC T6 Gb/tD A21 IP66/IP67 T80°C
Protection class	IP66/IP67	IP66/IP67
Environmental	Working Temperature:-40C~70°C Storage Temperature:-40°C~85°C Humidity: 0 to 96% RH, non-condensing	Working Temperature:-40C~70°C Storage Temperature:-40°C~85°C 0 ~ 96%RH (non-condensing)
Electrical Interface	2×3/4NPT, M25*1.5, G3/4 (adapters can be customized)	1x3/4NPT, M25*1.5,G3/4, Adapters can be customized according to requirements
Size	119mm* 141mm* 120mm	120mm* 95mm* 85mm
Weight	About 3 Kg	About 3 Kg
Remote control function	Adjust the sensitivity level: 1 to level 3 Automatic reset	



Product Name	Explosion-proof Ultraviolet & Infrared Combined Flame Detector	Explosion-proof Infrared 3 Flame Detector
Model	AW-FD707EX	AW-FD708EX
Spectrum Range	UV 185-260nm IR 4.3-5.0μm	IR 3.8-5.0μm
Detection Angle	120° 40m	90° 40m
Sensitivity Level	Grade I	Grade I
Main Voltage	24VDC(18 to 30VDC)	24VDC(18 to 30VDC)
Ex-Atex Protection Level	Exd IIC T6 Gb/tD A21 IP66/IP67 T80°C	Exd IIC T6 Gb/tD A21 IP66/IP67 T80°C
Protection class	IP66/IP67	IP66/IP67
Environmental	Working Temperature:-40C~70°C Storage Temperature:-40°C~85°C Humidity: 0 to 96% RH, non-condensing	Working Temperature:-40C~70°C Storage Temperature:-40°C~85°C Humidity: 0 to 96% RH, non-condensing
Electrical Interface	1x3/4NPT, M25*1.5,G3/4, Adapters can be customized according to requirements	1 × 3/4NPT 、M25*1.5 、G3/4 (Adapters can be customized according to requirements)
Size	120mm* 95mm* 85mm	120mm* 95mm* 85mm
Weight	About 3 Kg	About 3 Kg
Remote control function	Adjust the sensitivity level: 1 to level 3 Automatic reset	

 Linear Heat Cable

 Fire Proof Cable


Model	AW-FPLR2X2.5 (14 AWG)
Conductor	1/1.63 solid bare copper
Max conductor resistant Ω /KM (20°C)	8.45
Insulation thickness	0.51 mm
Min insulation thickness	0.46 mm
Inner wire	Brown, blue (flame retardant PVC)
Wire numbers	2 core
Drain wire	0.4mm tinned copper
Wrapping	Al-foil
Jacket	red (flame retardant PVC)
OD	6.8 ± 0.3 mm
Jacket thickness	0.74 mm
Min jacket thickness	0.62 mm
Rated temperature	105°C
Rated voltage	300V
Flame retardant rating	Vw-1
Application	fire alarm systems

AW ASENWARE
 Only for Fire Safety

LINEAR HEAT CABLE



Linear Heat Detection Cable

Features	
Line coverage...	continuous sensitivity
Six alarm temperature ratings	
Withstands severe environmental conditions	
Approved for hazardous locations	
Easy to install and test	
Compatible with other devices on same circuit	



Interface Module AW-D401

Dimensions	90mm × 85mm × 52mm
Operating environment	Temperature: -45°C -- +60°C
Relative humidity	95%
IP Rating	IP66

End of line Module AW-D402

Operating Voltage	No Electronics
Operating environment	Temperature: -45°C -- +60°C
Relative humidity	95%
IP Rating	IP66



Fire Linear Heat Cable

	AW-D4068(68°C)
	AW-D4088(88°C)
	AW-D4105(105°C)
	AW-D4138(138°C)
	AW-D4180(68/88/105/138/180°C)

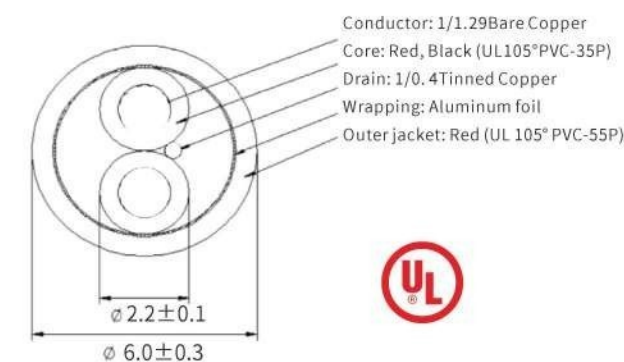
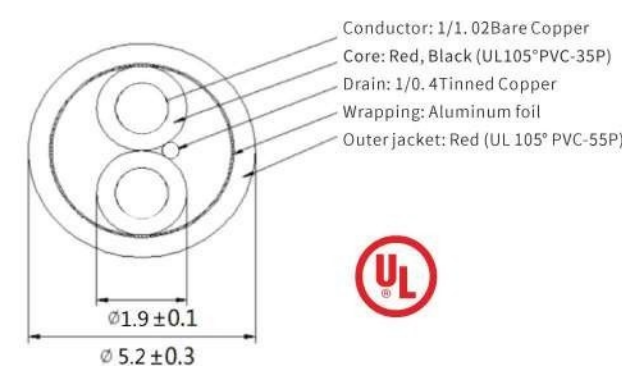
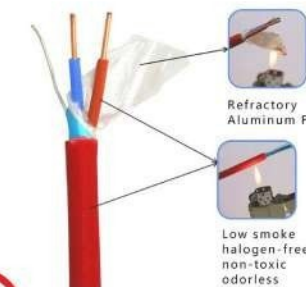
Model	AW-D4068 (Conventional Type 68°C)	AW-D4088 (Conventional Type 88°C)	AW-D4105 (Conventional Type 105°C)	AW-D4138 (Conventional Type 138°C)	AW-D4180 (Conventional Type 180°C)
	AW-D4068-P (CR/OD Type 68°C)	AW-D4088-P (CR/OD Type 88°C)	AW-D4105-P (CR/OD Type 105°C)	AW-D4138-P (CR/OD Type 138°C)	AW-D4180-P (CR/OD Type 180°C)
	AW-D4068-E (EP Type 68°C)	AW-D4088-E (EP Type 88°C)	AW-D4105-E (EP Type 105°C)	AW-D4138-E (EP Type 138°C)	AW-D4180-E (EP Type 180°C)
Parameter					
Alarm Temperature	68°C	88°C	105°C	138°C	180°C
Ambient temperature (Max)	45°C	60°C	75°C	93°C	121°C
Ambient Temperature (Min)	-55°C for CR/OD Type	-55°C for CR/OD Type	-55°C for CR/OD Type	-55°C for CR/OD Type	-55°C for CR/OD Type
	-40°C for Conventional and EP Type	-40°C for Conventional and EP Type	-40°C for Conventional and EP Type	-40°C for Conventional and EP Type	-40°C for Conventional and EP Type
Storage Temperature	UP TO 45°C	UP TO 45°C	UP TO 70°C	UP TO 70°C	UP TO 105°C
Alarm Deviation	±3°C	±5°C	±5°C	±5°C	±8°C
Alarm Response Time (s)	10 (Max)	10 (Max)	15 (Max)	20 (Max)	20 (Max)

FIRE PROOF CABLE



Fire Proof Cable

Features
Oxygen-free copper
High temperature resistance
Halogen and smoke free
Quality assurance



Model	AW-FPLR2X1.0(18 AWG)
Conductor	1/1.02 solid bare copper
Max conductor resistant Ω/KM (20°C)	21.9
Insulation thickness	0.38 mm
Min insulation thickness	0.33 mm
Inner wire	Brown,blue (flame retardant PVC)
Wire numbers	2 core
Drain wire	0.4mm tinned copper
Wrapping	Al-foil
Jacket	red (flame retardant PVC)
OD	5.4±0.3 mm
Jacket thickness	0.58 mm
Min jacket thickness	0.46 mm
Rated temperature	105°C
Rated voltage	300V
Flame retardant rating	Vw-1
Application	fire alarm systems

Model	AW-FPLR2X1.5 (16 AWG)
Conductor	1/1.29 solid bare copper
Max conductor resistant Ω/KM (20°C)	13.7
Insulation thickness	0.44 mm
Min insulation thickness	0.39 mm
Inner wire	Brown,blue (flame retardant PVC)
Wire numbers	2 core
Drain wire	0.4mm tinned copper
Wrapping	Al-foil
Jacket	red (flame retardant PVC)
OD	6.2±0.3 mm
Jacket thickness	0.64 mm
Min jacket thickness	0.52 mm
Rated temperature	105°C
Rated voltage	300V
Flame retardant rating	Vw-1
Application	fire alarm systems

FIRE TELEPHONE SYSTEM



Addressable Fire Telephone Panel AW-FT700(Max Telephone 99PCS)

Features	
Model	AW-FT700
Main Voltage	AC110-230V
Frequency Response	300-3400Hz
Maximum Line Distance	1500m
Transmission Loss	≤5dB
Maximum Fire Telephone Extension Loop Resistance	≤100Ω
Maximum Recording Duration	≤5 h
Relay Output Capacity	1A@30VDC (Conventional)
Environmental	Temperature range: -10 to 50°C (14~122°F) Humidity: ≤95% RH, non-condensing
Materials and colors	ABS, white
Size	184.3mm* 143.3mm* 120mm



Addressable
Telephone Jack
AW-D703



Addressable
Fire Telephone
AW-D701

Conventional Fire Telephone System AW-FTP2008(8 zones)

The conventional fire telephone panel AW-FTP2008 is a communication equipment which provides a convenient means of fire reporting. It has a well-mounted structure and is easy to install, suitable for small systems. It can apply in scenarios like communication between the control room and the fireplace, fire-fighting command, evacuation rescue, etc.



Telephone Jack
AW-FTJ101



Fire Telephone
Wall-mounted
AW-FHS101



Only for Fire Safety

EMERGENCY VOICE EVACUATION SYSTEM



Emergency Voice Evacuation Controller AW-EVC500

Features
AW-EVC500 Emergency Voice Evacuation Controller is the all-in-one wall-mounted public address controller with fire/emergency voice evacuation and background music function
It has the built-in battery charger for 12V12AH*2 lead acid batteries
It has a 500Watt amplifier inside
It has 10-zone speaker outputs
1x USB for MP3 background music
1x SD card for pre-record emergency voices
1x Microphone
2x Remote pagings
1x audio input
1x audio output
1x CAN bus (only for ASENWARE addressable fire alarm panel connection)
10x emergency inputs (for all brands' products connection)
Voice volume and quality adjustable
Emergency zone and speaker zone programmable
High-quality voice, frequency response is 80Hz~10kHz±3dB



Emergency Voice Evacuation System

Fire Telephone System



Multi-Zone Speaker Selector AW-EV602

Rated input voltage:
110VAC~260VAC, 50/60Hz
Standby battery:
Two 12V/2.3Ah lead-acid batteries in series
Work Temperature:
datasheet:-5 to 40°C
Work Humidity:
<95% RH

Rack Type Voice Evacuation System



Emergency Voice Evacuation Controller
AW-EVC100



Features
Preamplifier+ MP3 player+ Emergency Voice + Battery charger
Communication with fire alarm panels
2xMic+2xAUX+2xPagings (200 addresses)+MP3 + Blue tooth+1xSD Card
1x Built-in Speaker+ 2x Audio Output
20x Emergency Input + 1x CAN+ 2x RS485 +1x LAN

Zone Speaker Selector
AW-EV603



Features
Each Zone Speaker Selector contains 10 zones and can be cascaded up to 99 Zone Speaker Selectors and then up to 99*10=990 zones
The zone output can be connected to 3-wire speakers
The isolation and activation of each partition can be controlled by pressing a button
Use RS485 to connect to the cabinet-type evacuation controller, and use it in conjunction with the panel to control the opening and closing of the zone



Power Amplifier
AW-AP500/1000/1500/2000

Sequence Controller
AW-EV608



Features
Eight independent high-power supply outputs
Universal sockets can be used for a variety of three-pole power sockets and two-pole European round head sockets
Maximum single output is 16A, total input current capacity is 25A
The switching status of eight channels can be operated and displayed by panel control
Open the equipment one by one from the front to the back when powering on. Shut down the equipment one by one from the back to the front when powering off

Remote Paging Station
AW-EV601



3.4-inch display screen	
Network cable connection	
Priority level management	
Zone control	
Work Voltage	24VDC
Work Temperature	-10°C~50°C.
Work Humidity	≤95% RH
Size	240*180*53mm
Distance	>=600m(with CAT-5E OFC cable)



Ceiling Speaker
AW-SP101/2/3/4



Wall Mounted Speaker
AW-SP201/2/3/4



Horn Speaker
AW-SP301/2



Outdoor Column Speaker
AW-SP401/2/3/4/5



Outdoor Column Speaker
AW-SP501/2/3/4

Mode No.	AW-SP101/02	AW-SP201	AW-SP301	AW-SP401	AW-SP501
Power	3-6W	15W	15W	10w	30w
Voltage	70-100V	70-100V	70-100V	70-100V	70-100v
Sensitivity	91±3dB	93dB	105±3dB	96±3dB	92±3dB
Frequency response	100Hz-15KHz/80Hz-18KHz	80-20KHz	325Hz-6.5KHz	160Hz-19khz	110-20KHz
Size	165mm/178mm	175*75*265mm	222*162*232mm	155*105*270mm	160*140*352mm



- Smoke & Heat Detector Disassembly tool AW-D208**
- Accessory list**
- ① Connecting rod*5
 - ② Cylindrical fixture cap*3
 - ③ Mechanical disassembly head
 - ④ Torch holder
 - ⑤ Strong light flashlight
 - ⑥ Rotate tong*3
 - ⑦ Height adjusting gasket*3
 - ⑧ Key*2
 - ⑨ Handle rod



Smoke & Heat Detector Disassembly Tool Datasheet AW-D205

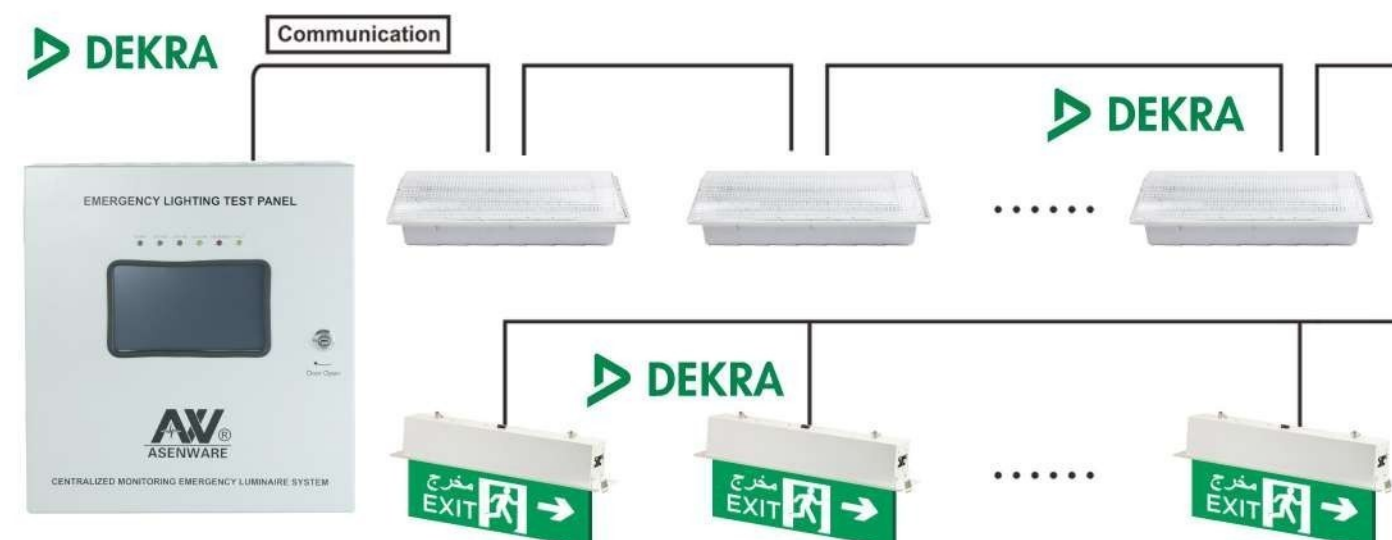
Technical Specification	
Model	AW-D205
Length	Normally 3.2m [can be extended up to 9.9m (0.9m×11)]
Material	Titanium alloy
Applicable device	50-115mm diameter smoke detector / heat detector / flame detector

AW ASENWARE
Only for Fire Safety

DEKRA Centralized Monitoring Emergency Luminaire System
Detector Tester Series



CENTRALIZED MONITORING EMERGENCY LUMINAIRE SYSTEM



The Emergency lighting panel can connect directly with the Exit signs and Emergency luminaire for the function of the Addressable Centralized Monitoring. The Panel has two sources, one is AC mains and another one is 24Volts battery (or two 12V batteries).

Centralized Monitoring Emergency Luminaire System

This control system is designed for managing, testing, monitoring and controlling emergency lighting which is mounted dispersedly.

Features
7 inch colorful LCD display
Easy operating
Convenient using
Communicated by PLC
Easy Mounting
Low maintenance cost

Features
Maximum 500 lightings
Simultaneously and remotely control one or more lightings
More than 500 history events record
Up to 16-way non-source emergency input signs testing
Up to 16 lighting zones
Up to 16 testing groups
Detecting battery fault, LED source fault, AC fault and communication fault for single emergency lighting






Smoke & Heat Detector 2 in 1 Tester AW-D206



4 in 1 Smoke/Heat/Flame/LPG Gas Detector Tester AW-D212

Technical Specification	
Testing type	smoke/heat/flame/LPG gas
Detecting end material	anodized aluminium + stainless steel
Connecting rod material	stainless steel
Standard length	2.5m (Optional connecting rod)
Smoke (full charge) test	450-800 times
Gas source	butane gas
Battery voltage	7.4V DC
Spectrum	infrared≥850mm, ultraviolet≤280mm and infrared-ultraviolet broadband

Photo	Product Name	Model No.	Parameters
	Emergency Lighting Test Panel	AW-EP500	✓ Single loop ✓ Maximum 500 emergency lights per loop ✓ Up to 16 non- source emergency zone input ✓ Up to 16 testing groups
	Centralized Monitoring Emergency Luminaire	AW-CEL101	✓ 220VAC 50/60Hz power supply ✓ 3 Hours battery discharge time 48pcs LED lights ✓ 670lm
	Centralized Monitoring Exit Sign	AW-CEL301	✓ 220VAC 50/60Hz power supply ✓ 3 Hours battery discharge time 16 pcs LED lights Double side

Conventional Emergency Light			
Photo	Product Name	Model No.	Parameters
	LED Emergency Light TUV Approved	AW-EL101	✓ 110V-127VAC 50/60Hz 220V-240VAC 50/60Hz ✓ Maintenance-free ✓ LED 16pcs/bar, 1/2/3/5 bar ✓ Nickel-cadmium or Lead-acid
	LED Lamp Emergency Light	AW-EL103	✓ 220VAC 50/60Hz ✓ ≥220lm ✓ <24 hours
	Twin Lamp LED Emergency Light	AW-EL207	✓ 220VAC 50Hz/60Hz ±10% ✓ -5° C~ 40° C Rh≤92% surface without condensation ✓ SMD 2825 14PCS
	Twin-Spot Emergency Light	AW-EL203	✓ 220V-240VAC 50/60Hz ✓ Nicke l-cadmium 3.6V ✓ <24 hours
	Twin Lamp Emergency Light	AW-EL208	✓ 220VAC 50/60Hz ✓ 2150lm ✓ <24 hours ✓ 2*10w
	Exit Sign TUV Approved	AW-EL301	✓ 220~240VAC, 50/60Hz ✓ 3.7V 1200mAh
	Exit Sign	AW-EL302	✓ 110V-120VAC or 220VAC 50Hz ✓ All housing and 6mm acrylic panel 8 LED, 0.5W ✓ 3.6V 500mAh Ni-Cd ✓ >90 min

DETECTOR TESTER SERIES



Smoke Detector Tester AW-D201

Features
Length 1.6 meter x Dia.32mm
Light Weight Aluminium pole
Triggering mechanism
Aluminium case with lock

Heat Detector Tester AW-D202

Features
Heating Element:220V/100W or 110V/100W
Length 1.75meter x Dia.32mm Light weight Aluminum Pole
Cable Length 10 meters
Aluminum case with lock

Flame Simulator AW-D204



Features
Battery voltage:DC7.4V.2200MA/H
Charger output:DC8.4V, 1000MA
The total length of the tester:2.5m
Materials of the tester:aluminum
Materials of the connecting rod:stainless steel
Materials of package box:aluminum
Infrared waveband scope of (0.5 u m-5.5 u m)
Ultraviolet waveband scope of (185nm-255nm)