

★ **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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*Only for Fire Safety*



# 2024 CATALOG



**Conventional Fire Alarm System**  
AW-CFP2166

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**TÜVRheinland**  
**Addressable Fire Alarm System**  
AW-FP100



**LPCB**  
**Automatic Fire Extinguisher Control System**  
AW-GEC2169



**TÜVRheinland**  
**Voice Evacuation System**



**DEKRA**  
**Emergency Luminaire**



**ECM**  
**Gas Suppression System**



**ECM**  
**Water/Foam Suppression System**



**AW ASENWARE**  
Only for Fire Safety

**ADDRESSABLE FIRE ALARM CONTROL 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.



**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.



**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	60m <sup>2</sup>
Installation Height	≤8m



**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%)



**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	≤4mA
Alarm Status	≤130mA
Power Consumption	≤3.2W@DC24V
EN54-23 Coverage	C-3-8W-2-4-6
Sound Level	AW-D306 ≥75DB@1m AW-D307 ≥73DB@1m AW-D316 ≥75DB@1m



**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.



**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



**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 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)



**Addressable Zone Module**  
AW-D310

Operating Voltage	Signal Loop 24V(20V~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 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



**4G GSM Module**  
AW-GSM200

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



**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.



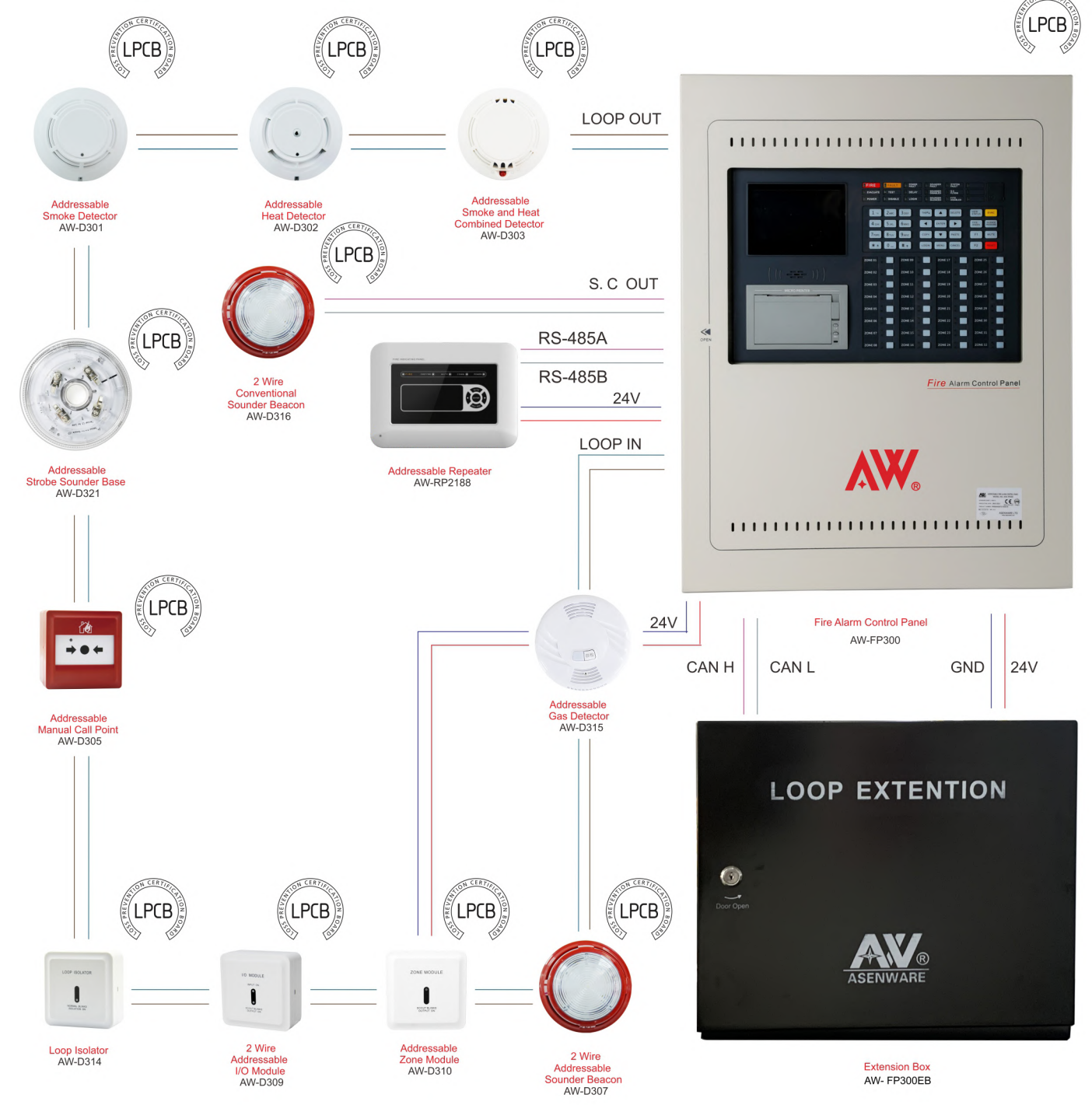
**Addressable sounder beacon waterproof base**  
AW-BS03

Made of ABS material  
Complies with IP65 rating



**Extension Box**  
AW-FP300EB

Extend 1 to 6 Loop cards





## 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 FACPs 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



# 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



**Wireless Addressable Smoke Detector**  
AW-D603L

**Wireless Addressable Heat Detector**  
AW-D604L

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

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

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

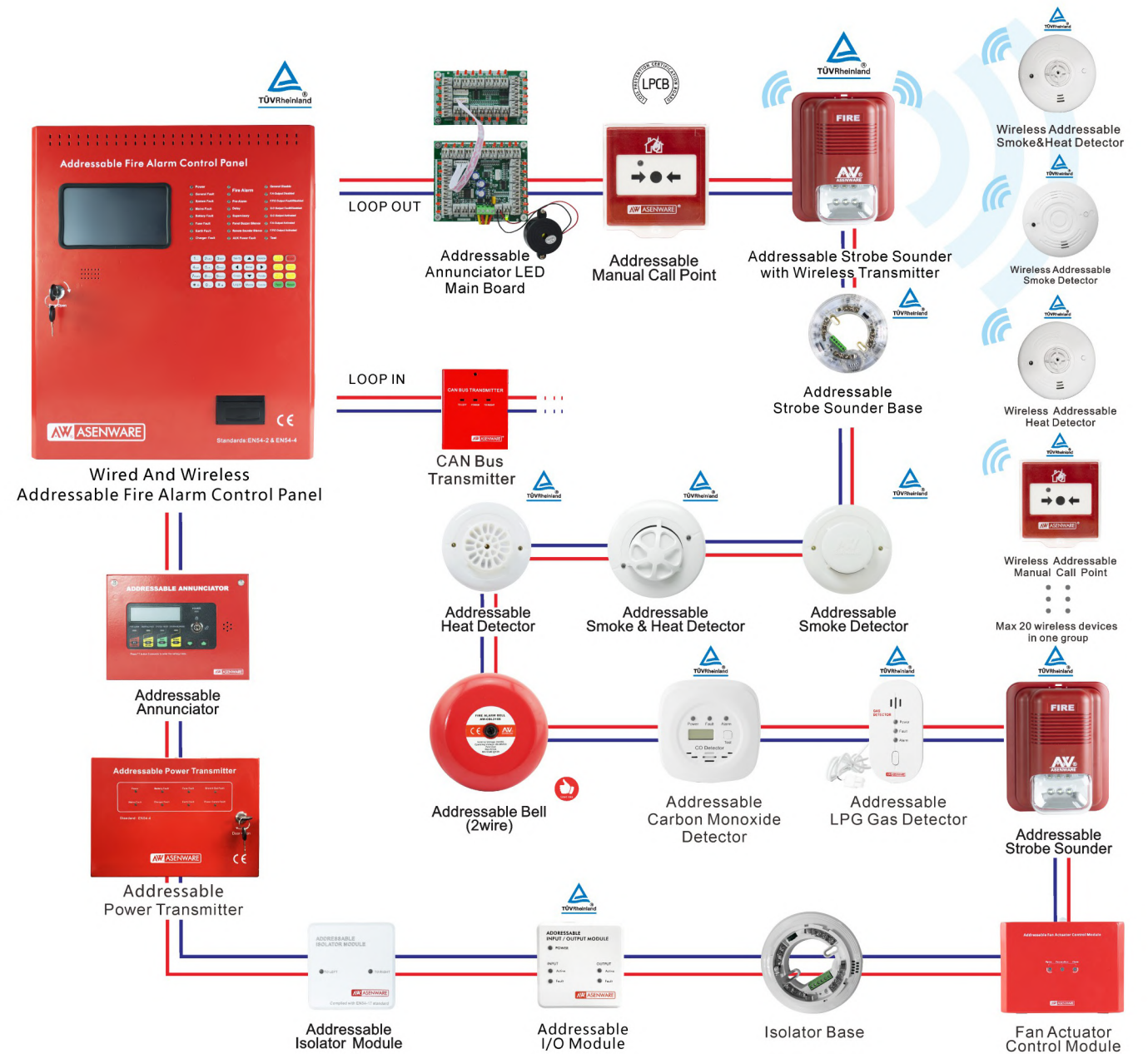
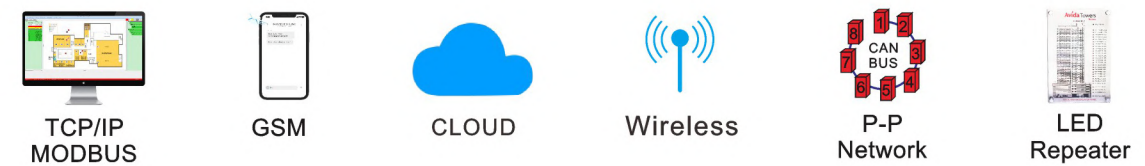
**Wireless CO Detector**  
AW-D125L



Only for Fire Safety

- Addressable Fire Alarm Control System
- Wireless Addressable Fire Alarm Control System

# ADDRESSABLE FIRE ALARM CONTROL SYSTEM





## 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 setting software, which support setting fire alarm devices status and checking fire history records on computer or laptop

## 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 setting 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)





**Addressable Smoke Detector**  
AW-D101

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



**Addressable Heat Detector**  
AW-D102

Operating Voltage	18V~28V DC
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~28V DC
Standby Current	≤2.5mA
Smoke Sensitivity	0.18-0.3dB/m
Fix Temperature Alarm	57°C(135°F)
Heat Response Categories	A2R

## Addressable Isolator Module

### AW-D114

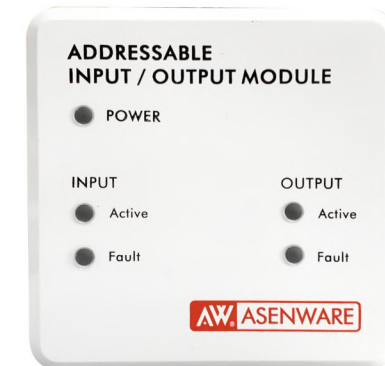
AW-D114 is an intelligent addressable isolator module, which can be configured with Asenware AW-FP100/AW-FP200/AW-FP128 Series Addressable Fire Alarm Control Panel. AW-D114 short-circuit isolator module is used to make sure the short circuit on the branch of the loop cannot affect the normal operation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



**Wireless Addressable Smoke Detector**  
AW-D603L

Operating Voltage	3V DC
Alarm level	≥85dB /3m
Smoke Alarm Sensitivity	0.18-0.3dBm
Fix Temperature Alarm	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)

## 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.



**Addressable Alarm Bell**  
AW-D109

Operating Voltage	18V~28V DC
Standby Current	≤3mA
Alarm Current	≤50mA
Alarm SPL	≥ 95 dB
Size	Dia. 150mm



**Addressable Strobe Sounder**  
AW-D106

Operating Voltage	18V~28V DC
Standby Current	≤3mA
Alarm Current	≤60mA
Alarm SPL	≥ 100 dB
Flash Period	1.0 Sec.



**Addressable Manual Call Point**  
AW-D135A

Operating Voltage	18V~28V DC
Working Current	≤4mA
IP Rating	IP30
Green LED indicator	Normal Condition
Red LED indicator	Alarm Condition

## 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.





## Addressable LPG Gas Detector

### AW-D132A

The gas detector is designed for single station use or for connecting to fire alarm or security alarm panel. Small and compact, the design and color makes it ideal for use in the home, small commercial properties, and recreational vehicles. It is intended to detect leakage of natural gas (methane gas), town gas, and bottled gas (propane gas). The gas detector can be mounted high (for methane gas) or low (for propane (LPG) gas).

Technical Specification	
Main Voltage	Loop 24VDC
Power Consumption	≤2W (Alarm)
Alarm Outputs	DC12V pulse voltage and relay( COM ,NO )
Relay Capacity	0.5A @30VDC (Max)
Alarm Horn	≥ 85dB @3m
Value of Detection Threshold	LPG: Propane 1890ppm (9%LEL)
	Butane 1900ppm (10%LEL)
	LNG: Methane 3500ppm (7%LEL)
Warm Up Time	Approximately 90 Seconds
Environmental	Temperature range: -10 to 50°C (14~122°F)
	Humidity: ≤95% RH, non-condensing



## Addressable Carbon Monoxide Detector

### AW-D125A

The addressable carbon monoxide detector AW-D125A is an intelligent detector which can be configured with Asenware AW-FP200 /AW-FP128 series addressable fire alarm control panel.

Each point (device) can be given specific ID, which allows the panel to continuously monitor specific detector location (point).

Technical Specification	
Operating current(@24VDC)	Standby status≤5mA, Alarm status≤20mA
CO detection range	0-999 ppm
Alarm Level	60~90 minutes @ 50ppm
	10~40 minutes @ 100ppm
	Within 3 minutes @ 300ppm
Sensor life	10 Years
Operating Temperature	Class A temperature range: -10 to 40°C (14~104°F)
	Humidity: 5 to 95% RH, non-condensing
Standard	EN 50291-1-2018



## 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

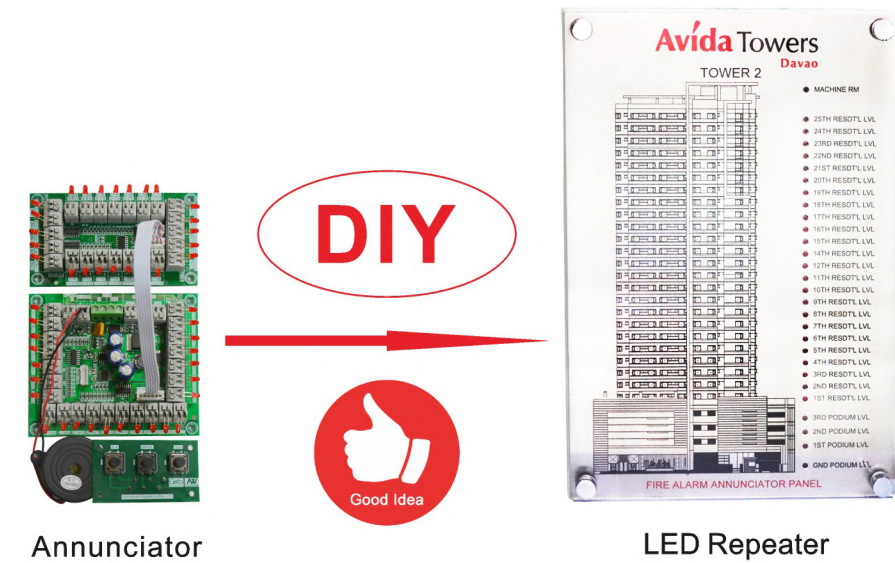


4G GSM Module  
AW-FP100GSM-4G

## Addressable Annunciator Board

### AW-D117&AW-D118

Features	
AW-D117	24 Zones Addressable Annunciator LED Main Board
AW-D118	24 Zones Addressable Annunciator LED Extension Board



## 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



## Addressable Power Transmitter AW-D121

Addressable Power Transmitter, an intelligent power supply, which is designed to provide auxiliary power when there is no enough power from panel to devices.



### Features

- Addressable
- 3A@24VDC output
- EN54-4 standard
- Include battery charger
- 12V2.3AH\*2 batteries optional

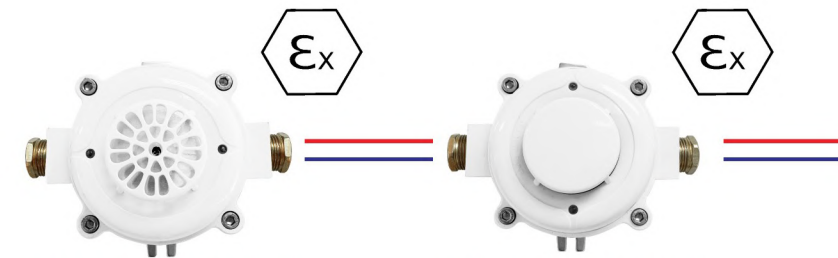
## Power Supply AW-D121C

The AW-D121C Power Supply is used with AW-CFP2166 series conventional fire alarm control panel and FP300 addressable panel. It is mainly used to increase the load capacity of the panel. And it can reset the output of 24VDC by 3 inputs (volt free input, voltage input and Rs485).



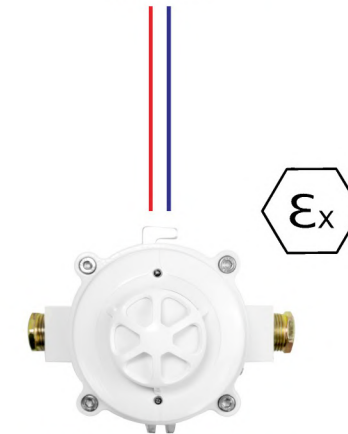
### Features

- Surface mounted
- Working status indicators
- 24VDC output short circuit protection function
- Selectable input modes to reset 24VDC output
- Compatible with the latest EN54-4 standard



Addressable Explosion-proof  
Optical Heat Detector with Base  
AW-D102EX

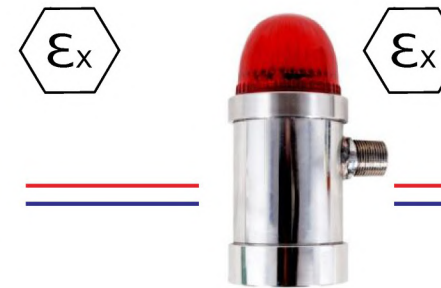
Addressable Explosion-proof  
Optical Smoke Detector with Base  
AW-D101EX



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



Addressable Explosion-proof  
Manual Call Point  
AW-D105EX

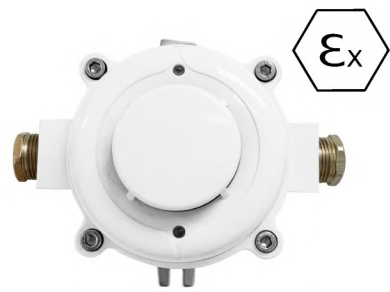


Addressable Explosion-proof  
Strobe Sounder  
AW-D106EX



Wired and Wireless  
Addressable Fire Alarm Control Panel  
AW-FP200





**Addressable Explosion-proof  
Optical Smoke Detector with Base**  
AW-D101EX

Main Voltage:	Loop 24VDC
Operating current:	Monitor: ≤1.2mA Alarm: ≤2.5mA
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  
Optical Heat Detector with Base**  
AW-D102EX

Main Voltage:	Loop 24VDC
Operating current:	Monitor: ≤1.2mA Alarm: ≤2.5mA
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: ≤1.2mA Alarm: ≤2.5mA
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: ≤1.2mA Alarm: ≤250mA
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:	≤10mA
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





Only for Fire Safety

LPCB Conventional Fire Alarm Control System

TÜV Rheinland Wireless Fire Alarm System



# CONVENTIONAL FIRE ALARM CONTROL SYSTEM

## AW-CFP2166 Conventional Fire Alarm Control Panel

1-32 Zone Fire Alarm Panel

### 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	

Technical Specification	
Rated input voltage	100V-240VAC, 50Hz/60Hz
Standby battery	2000mAh 3.7V/ lithium battery
Working environment	Relative humidity (<95%) at -20 ~40 °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	



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	





**Conventional Photo-Electric Smoke Detector**  
AW-CSD381

**Conventional Photo-Electric Smoke Detector**  
AW-CSD311

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

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

**8 Inch Fire Bell**  
AW-CBL2166-8

**Horn Strobe**  
AW-CSS2166-4

**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	0.1 to 0.15 dB/m	

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

	AW-CSD381	AW-CSD381-4W
Main Voltage	9-28VDC	
Monitoring Status	≤120uA	≤120uA @24VDC NO ≤15mA @24VDC NC
Alarm Status	≤15mA	≤15mA @24VDC NO ≤5mA @24VDC NC
Fix Temperature Alarm	57°C(135°F)	
Rate of Rise Alarm	7.1°C/5s	

Working Voltage	20V-28VDC
Working Current	≤60mA @ 24V DC
Sound Level	≥98dB @1m
Polarized with 2 diodes	

Working Voltage	20V-28VDC
Working Current	≤60mA @ 24V DC
Sound Level	≥100dB@1m
Polarized with 2 diodes	

Operating Voltage	12/24VDC
Operating Current	≤100 mA
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 ≤15mA @24VDC NC
Maximum Alarm Current (LED on) @Zone 24VDC	≤15mA	≤15mA @24VDC NO ≤5mA @24VDC NC
Heat Response Category	A2R	



**4 Wire Conventional UV Flame Detector**  
AW-D146R

Operating Voltage	DC12-28V
Alarm level	≥85dB /3m
Sensitivity	Grade 1
Operating Temperature	-10°C~50°C



**Horn Strobe**  
AW-CSS2166-5

Operating Voltage	12V/24VDC
Operating Current	≤350 mA
Sound Level	≥105dB@1m
Flash Period	≤2.0 S
Alarm Sound Types	1 Kinds



**Conventional Strobe Sounder**  
AW-CSS2166-3

Operating Voltage	DC15V-30V
Operating Current	30mA
Sound Level	≥88dB@1m
Flash Period	≤2.0S
Alarm Sound Types	1 kind



**Entrance LED Indicator**  
AW-EL102

Operating Voltage	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	18V~28VDC
Working Current	≤4mA
IP Rating	IP30
Green LED indicator	Normal Condition
Red LED indicator	Alarm Condition



**Horn Strobe**  
AW-CSS2166-2

Operating Voltage	12-24VDC
Operating Current	≤60 mA
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



**Repeater**  
AW-CRP2166

Operating Voltage	18V-28VDC
Communication Mode	RS485
Working Humidity	≤93% non-condensing
Working Temperature	-10°C ~ + 50°C
Size	190*270*30mm
GSM module	Optional





**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	9V DC
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	9-28V DC or 3V battery
Standby Current	≤15mA
Alarm Current	≤120mA
Detection Range	0~999 PPM



**24V DC 4 wire LPG Gas Detector**  
AW-D132C-4W  
**220V Standalone LPG Gas Detector**  
AW-D132

Operating Voltage	24V DC&220V
Temperature	-10°C to +50°C
Sound Level	85dB @3m
Ambient Humidity	≤95% RH
Gas Detection	LPG/LNG



**Standalone LPG Gas Detector**  
AW-D132

Operating Voltage	100-240VAC 50-60HZ
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)



**4G GSM Module**  
AW-GSM200

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

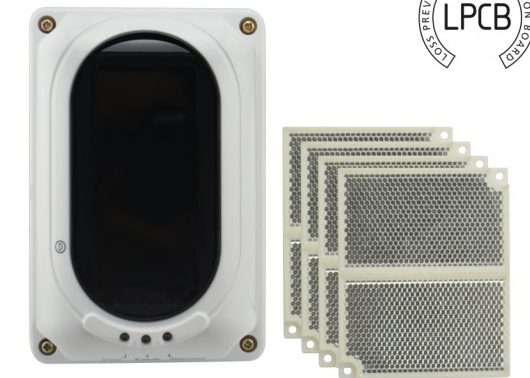
## Water-proof Strobe Sounder AW-D106C



The model AW-D106C is a water-proof Strobe Sounder which is with an intermittently acoustic signal with intensity and with a flashing LED light. It also can be connected to an alarm relay with normally open contact. It can be powered at 85~264VAC or at 10~28 VDC. The sound can be silenced for 10 minutes and leave only the active optics. If a button for silencing is connected. When pressing button for 1 second, with the sounder in alarm, sounder will be silent for 10 minutes, at the end of this time, the sound is automatically reactivated.

Technical Specification	
Operating voltage	85~264VAC or 10~28VDC (typical 24V)
Operating current(@24VDC)	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
Environmental	Temperature range: -10~50°C (14~122°F)
	Humidity: 5 to 95% RH, non-condensing
IP Code	IP65

## 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 1400m <sup>2</sup> (14x100=1400m <sup>2</sup> ) 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	



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

Website:  
www.asenware.com www.asenwarefire.com  
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# 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	DC5V (Type-C input)
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



**Wireless Addressable Smoke Detector**  
AW-D603L

Operating Voltage	3V DC
Alarm level	≥85dB /3m
Smoke Alarm Sensitivity	0.18-0.3dBm
Fix Temperature Alarm	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)



**Wireless Addressable Programmer**  
AW-PR101L

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



**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



**Fire Alarm Control Panel**  
AW-FP032

- Max 99
- Wireless devices

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

The below wireless devices are suitable for Home Fire Alarm Control Panel AW-D140



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

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## 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	flammable/toxic/oxygen gas
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°C~50°C humidity: ≤95%R.H

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

## Types of Toxic Gas

CO	O <sub>2</sub>	O <sub>3</sub>	H <sub>2</sub> S	H <sub>2</sub>
CL <sub>2</sub>	NH <sub>3</sub>	SO <sub>2</sub>	NO	NO <sub>2</sub>
CH <sub>2</sub> O	HCL	HCN	EX	NH <sub>3</sub> H



Only for Fire Safety

# ASPIRATING SMOKE DETECTION SYSTEM



## Aspirating Smoke Detection System

AW-AS200



## Aspirating Smoke Detection System

AW-AS100

Aspirating Smoke Detection System

Waterproof Fire Alarm Product

Explosion Proof Fire Alarm Product

## Advantages

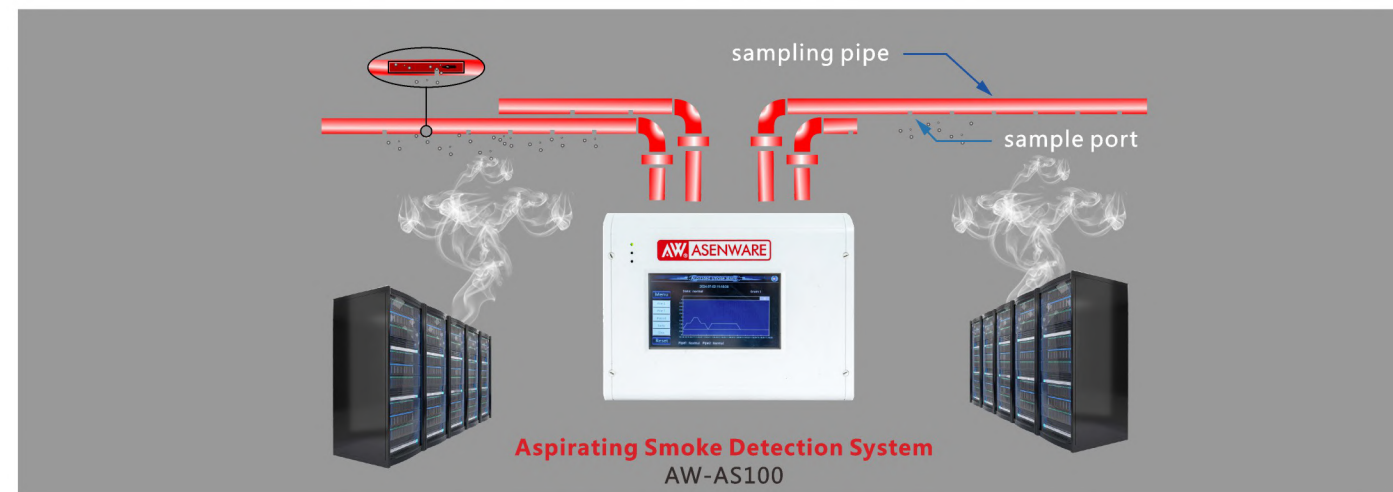
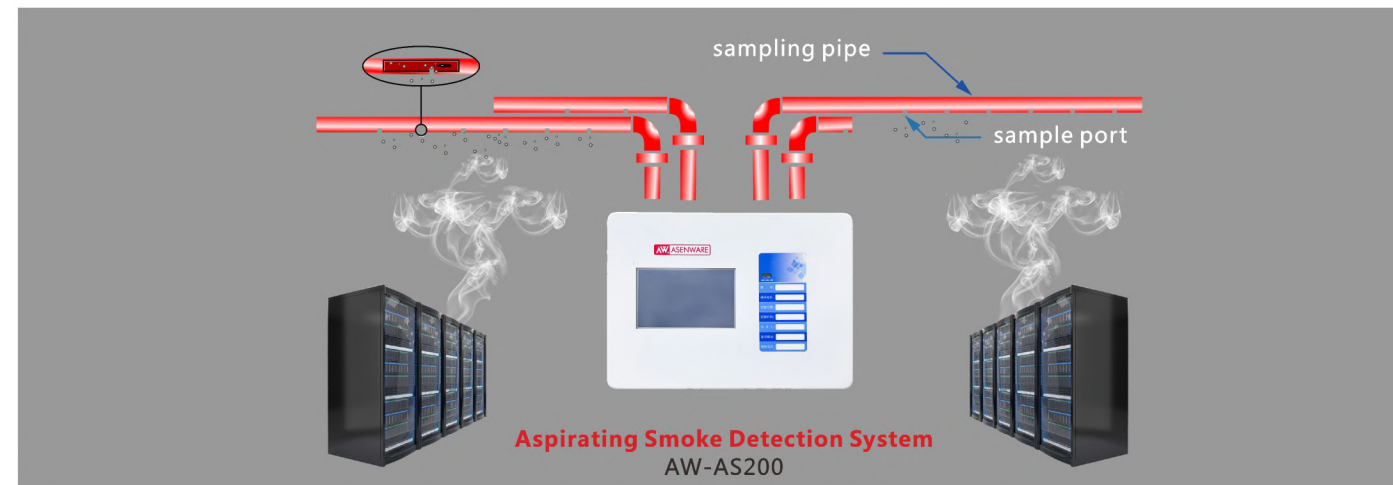
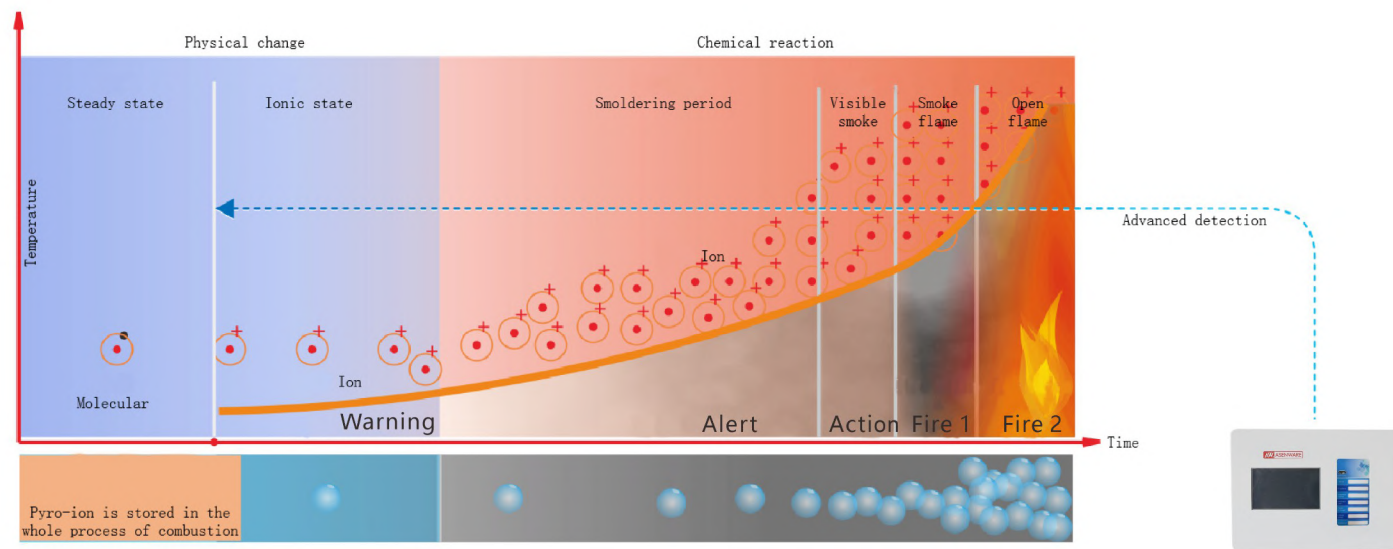
- Earlier detection with high sensitivity
- Immunity to false alarms
- Cost-effective maintenance solution

## Features

- Cloud chamber principle
- 7 inch color touch screen
- More than 10 years service life
- Automatic cleaning function
- Convenient maintenance solution
- Multifunctional network solutions



## 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	12/24VDC
Operating Current	≤100 mA
Sound Level	≥85dB at 10 feet
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



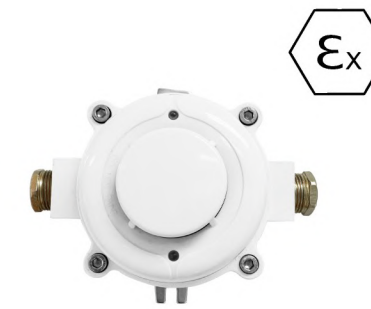
### AW-BK901EX

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

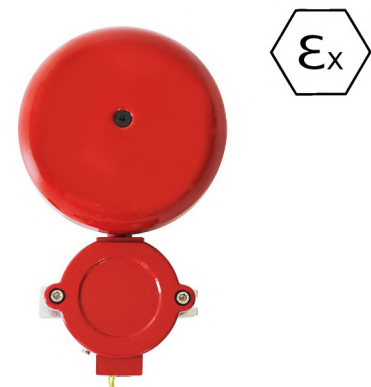


Explosion-proof heat detector  
AW-CTD382EX



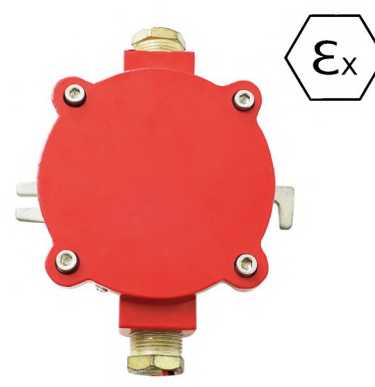
Explosion-proof  
smoke and heat combined detector  
AW-CSH831EX

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 weatherproof  
strobe sounder  
AW-CSS2167EX

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



Explosion-proof manual call point  
AW-D135EX



Explosion-proof fire strobe  
AW-CSS2166EX



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

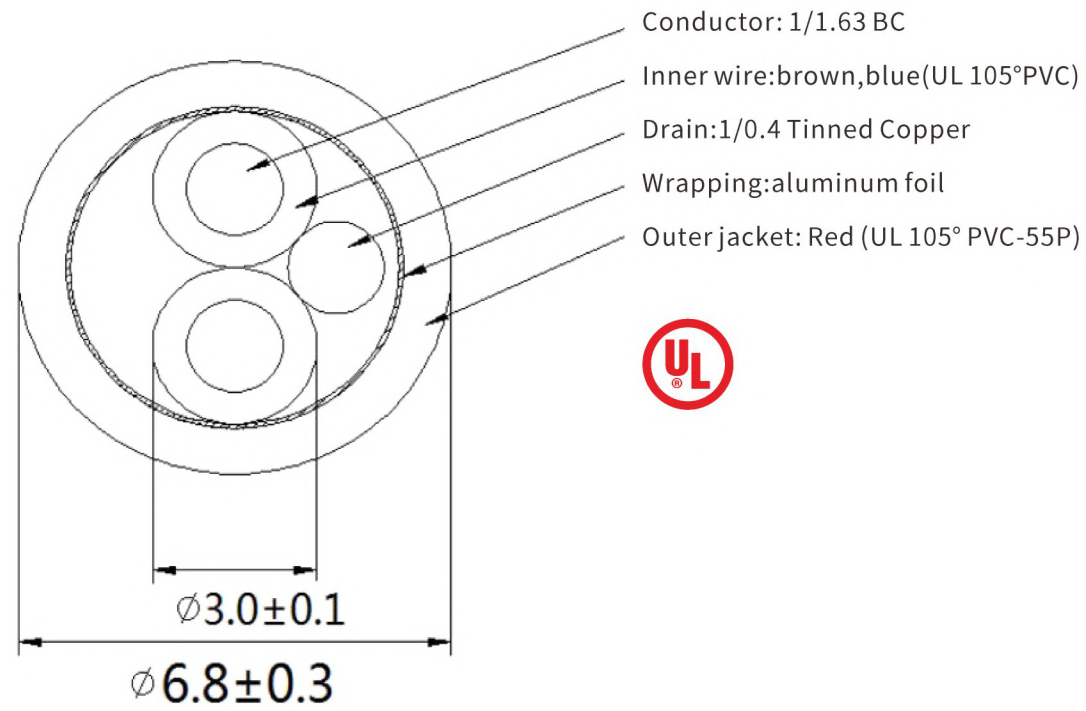




Product Name	Explosion-proof ultraviolet & infrared 3 flame detector	Explosion-proof Ultraviolet Flame Detector
Model	AW-FD704EX	AW-FD706EX
Spectrum Range	UV(185-260nm),IR (3.8um/4.3um/5.0um)	UV 185-260nm
Detection Angle	120°	120°
Sensitivity Level	Grade I	Grade I
Main Voltage	24VDC(18-30VDC)	24VDC(18-30VDC)
Ex-Atex Protection Level	Exd IIC T6 Gb/Ex tD A21 T80°C	Exd IIC T6 Gb/tD A21 IP66 T80°C
Protection class	IP66/IP67	IP66/IP67
Environmental	Temperature range: -10 to 55°C (14~131°F) -40 to 70°C (-40~158°F, Enhance Type) Humidity: 0 to 96% RH, non-condensing	Temperature range: -40°C~70°C Storage temperature range:(-40~-85°F) Humidity: 0 ~ 96%RH (non-condensing)
Electrical Interface	RS-485/RS-232;HART	1x3/4NPT, M25*1.5,G3/4, optional
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 T80°C	Exd IIC T6 Gb/tD A21 IP66 T80°C
Protection class	IP66/IP67	IP66/IP67
Environmental	Temperature range: -40 to 70°C (-40~158°F) Humidity: 0 to 96% RH, non-condensing	Temperature range: -40 to 85°C Humidity: 0 to 96% RH, non-condensing
Electrical Interface	1x3/4NPT, M25*1.5,G3/4, optional	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	



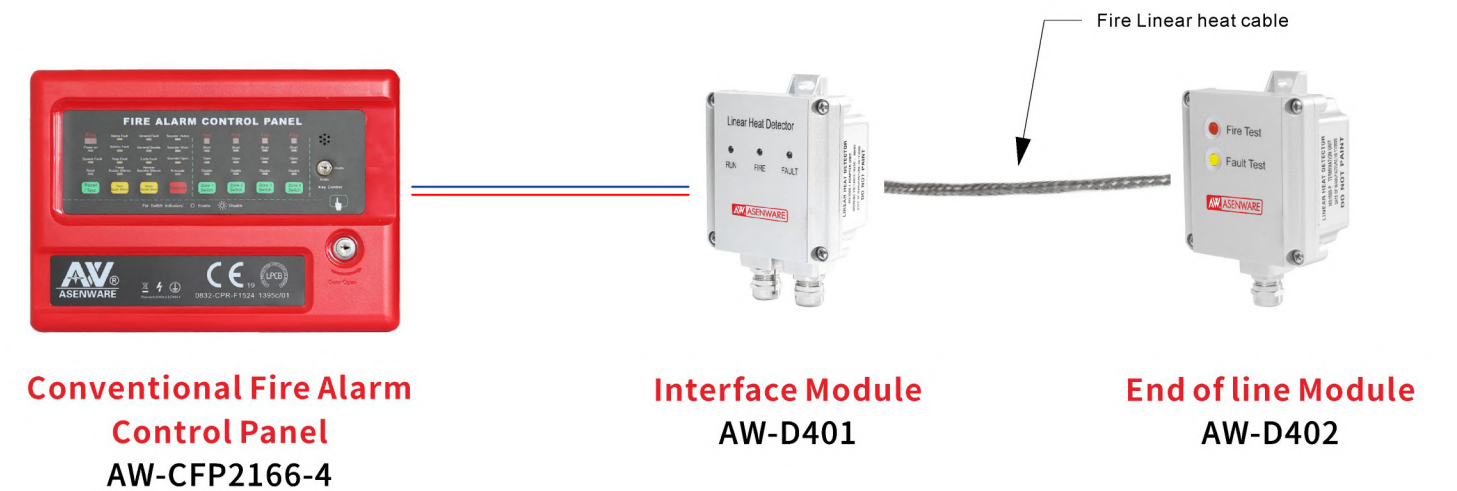


Model	AW-FPLR2X2.5 (14 AWG)
Conductor	1/1.63 solid bare copper
Max conductor resistant Ω/KM (20°C)	8.45
Insulation thickness	0.51 mm
Min insulation thickness	0.46 mm
Inner wire	brown.blue(flame retardant PVC)
Wire numbers	2 core
Drain wire	0.4mm tinned copper
Wrapping	Al-foil
Jacket	red (flame retardant 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
Fame retardant rating	Vw-1
Application	fire alarm systems

**AW ASENWARE**  
Only for Fire Safety

-  Linear Heat Cable
-  Fire Proof Cable

# 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, test	
Compatible with other devices on same circuit	



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

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





### Fire Linear Heat Cable

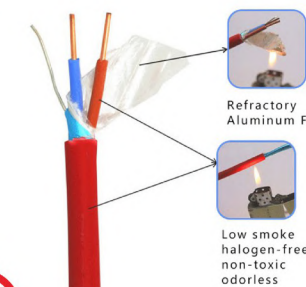
- AW-D4068(68°C)
- AW-D4088(88°C)
- AW-D4105(105°C)
- AW-D4138(138°C)
- AW-D4180(68/88/105/138/180°C)

# FIRE PROOF CABLE

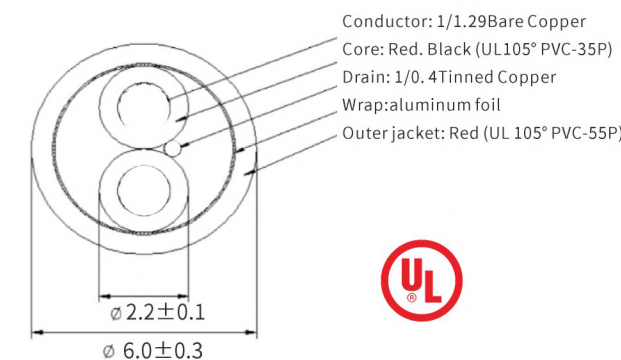
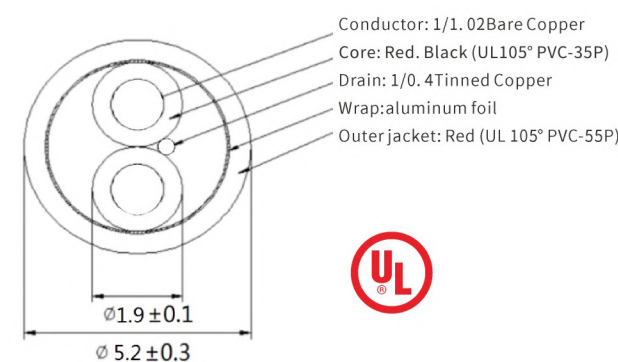


## Fire Proof Cable

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



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)



Model	AW-FPLR2X1.0(18 AWG)
Conductor	1/1.02 solid bare copper
Max conductor resistant Ω/KM (20°C)	21.4
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	5.2±0.3 mm
Jacket thickness	0.58 mm
Min jacket thickness	0.46 mm
Rated temperature	105°C
Rated voltage	300V
Fame 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)	13.5
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	5.8±0.3 mm
Jacket thickness	0.64 mm
Min jacket thickness	0.52 mm
Rated temperature	105°C
Rated voltage	300V
Fame retardant rating	Vw-1
Application	fire alarm systems



# FIRE TELEPHONE SYSTEM

## Addressable Fire Telephone Panel AW-FT599

Features
With the two-bus technology, the power supply and communication are compatible with two buses, and are not divided into the positive and the negative, convenient for debugging
It has perfect detection measures, which can detect the short circuit and open circuit of the bus, as well as make sound and light alarm
The anti-interference performance of hardware and software allows for the adaptability to various complex environments
The voice is subject to differential transmission on the bus, with strong anti-interference capability
The application of silica gel button presents a beautiful appearance, good hand feeling and long service life
The panel and extension can call each other and make full-duplex call, and the host can communicate with three extension telephones at the same time
It has the functions of recording and displaying the calling and answering time, and can query 120 records of calling and response time between the panel and the extension
The recording is subject to circular coverage, first-in-first-out mode and automatic recording is enabled during a call



## 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 fire place, fire-fighting command, evacuation rescue, etc.



**Addressable  
Fire Telephone Jack**  
AW-D501



**Conventional  
Fire Telephone Handset**  
AW-D502



**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+ 2xPaging (200 addresses)+ MP3 + Bluetooth+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

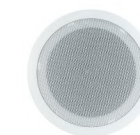


Features	
Eight independent high-power supply outputs	
Universal sockets can be used for a variety of three-pole power sockets and two-pole European round head sockets	
Maximum single output is 16A, total input current capacity is 25A	
The switching status of eight channels can be operated and displayed 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)



**Small  
Ceiling Speaker**  
AW-SP01



**Big  
Ceiling Speaker**  
AW-SP02



**Wall  
Mounted Speaker**  
AW-SP03



**15W  
Water Proof Speaker**  
AW-SP04



**30W  
Water Proof Speaker**  
AW-SP05

Model No.	AW-SP01/02	AW-SP03	AW-SP04	AW-SP05
Power	3/6W	6/12W	15-30W	30W
Voltage	70-110V	70-120V	70/110V	70-120V
Sensitivity	91dB/90dB	91dB	118dB	112dB
Frequency response	90-16KHz	90-16KHz	420-6000Hz	270-8KHz
Size	190mm/220mm	260*185*120mm	202*120*234mm	205* 285* 280mm





**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 3.5m, longest to 10m [can be extended up to 9.9m (0.9m×11)]
Material	Titanium alloy
Applicable device	50-115mm diameter smoke detector / heat detector / flame detector



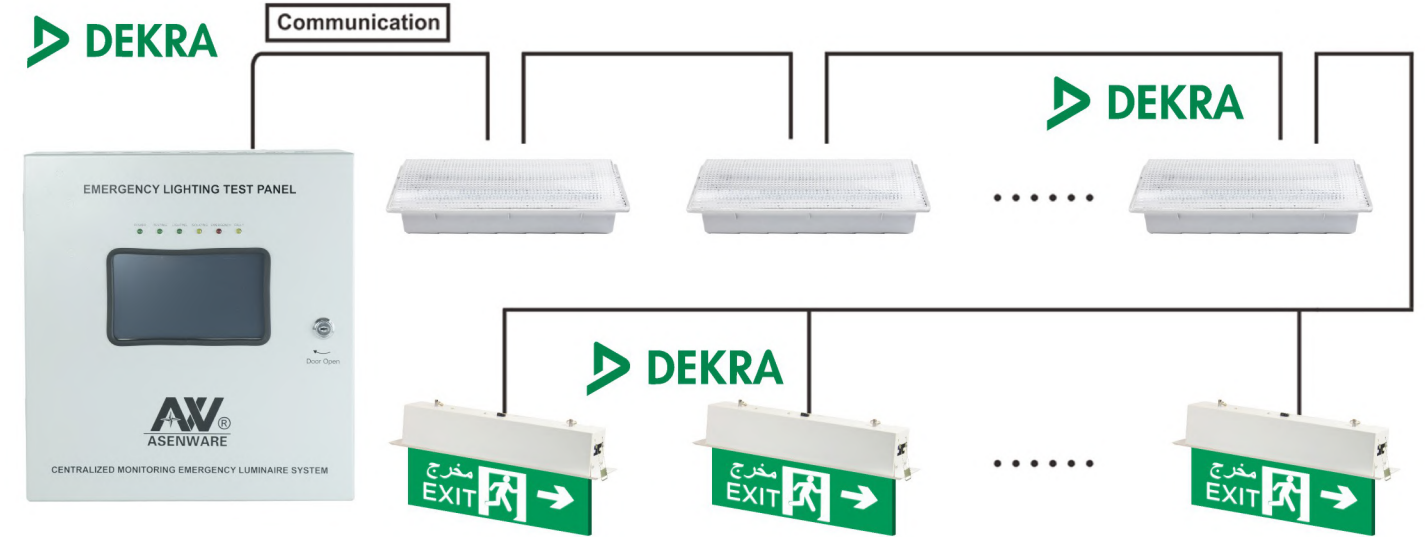
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DEKRA Centralized Monitoring Emergency Luminaire System

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 ≥850nm, ultraviolet ≤280nm and infrared-ultraviolet broadband



Photo	Product Name	Model No.	Parameters
	Emergency Lighting Test Panel	AW-EP500	<ul style="list-style-type: none"> <li>✓ Single loop</li> <li>✓ Maximum 500 emergency lights per loop</li> <li>✓ Up to 16 non- source emergency zone input</li> <li>✓ Up to 16 testing groups</li> </ul>
	Centralized Monitoring Emergency Luminaire	AW-CEL101	<ul style="list-style-type: none"> <li>✓ 220VAC 50/60Hz power supply</li> <li>✓ 3 Hours battery discharge time 48pcs LED lights</li> <li>✓ 670lm</li> </ul>
	Centralized Monitoring Exit Sign	AW-CEL301	<ul style="list-style-type: none"> <li>✓ 220VAC 50/60Hz power supply</li> <li>✓ 3 Hours battery discharge time 16 pcs LED lights Double side</li> </ul>

Conventional Emergency Light			
Photo	Product Name	Model No.	Parameters
	LED Emergency Light TUV Approved	AW-EL101	<ul style="list-style-type: none"> <li>✓ 110V-127VAC 50/60Hz</li> <li>✓ 220V-240VAC 50/60Hz</li> <li>✓ Non-maintaines</li> <li>✓ LED 16pcs/bar, 1/2/3/5 bar</li> <li>✓ Nickel-cadmium or Lead-acid</li> </ul>
	LED Lamp Emergency Light	AW-EL103	<ul style="list-style-type: none"> <li>✓ 220VAC 50/60Hz</li> <li>✓ ≥220lm</li> <li>✓ &lt;24 hours</li> </ul>
	Twin Lamp LED Emergency Light	AW-EL207	<ul style="list-style-type: none"> <li>✓ 220VAC 50Hz/60Hz ±10%</li> <li>✓ -5° C~ 40° C Rh≤92% surface without condensation</li> <li>✓ SMD 2835 12PCS .</li> </ul>
	Twin-Spot Emergency Light	AW-EL203	<ul style="list-style-type: none"> <li>✓ 220V-240VAC 50/60Hz</li> <li>✓ Nicke l-cadmium 3.6V</li> <li>✓ &lt;24 hours</li> </ul>
	Twin Lamp Emergency Light	AW-EL208	<ul style="list-style-type: none"> <li>✓ 220VAC 50/60Hz</li> <li>✓ 2150lm</li> <li>✓ &lt;24 hours</li> <li>✓ 2*10w</li> </ul>
	Exit Sign TUV Approved	AW-EL301	<ul style="list-style-type: none"> <li>✓ 220VAC 50Hz + 10%- 15%</li> <li>✓ 1.2V 800mAh</li> <li>✓ 0.5 mm²</li> </ul>
	Exit Sign	AW-EL302	<ul style="list-style-type: none"> <li>✓ 110V-120VAC or 220VAC 50Hz</li> <li>✓ All housing and 6mm acrylic panel</li> <li>✓ 8 LED, 0.5W</li> <li>✓ 3.6V 500mAh Ni-Cd</li> <li>✓ &gt;90 min</li> </ul>

# 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)