ASENWARE LTD

Only for Fire Safety

Content

01
PART ONE

Well-known Brand

ASENWARE is a fire alarm system and fire suppression system

manufacturer and a fire safety solution provider since 2005.

![20-year Fire Alarm System - Manufacturer & Turnkey Solution Supplier]

20-year Fire Alarm System

Manufacturer & Turnkey Solution Supplier

Conventional Fire Alarm Series

FM200 Fire Supression System

Packaged fire pump system

Two Wire Addressable Fire Alarm Series

中山市广卫消防设备科技有限公司
Zhongshan Guta Fire Equipment Technology Co., Ltd

英国(UK) ASENWARE LTD

深圳市艾盛为测控科技有限公司
Shenzhen Asenware Test & Control Technology Co., Ltd

Guta Guarantee U to A class   AW ASENWARE

Introduction

Established in 2005 and currently trading in over 100 countries worldwide, ASENWARE is a fire alarm system and fire suppression system manufacturer and fire safety solution provider.

Our commitment to quality is underlined by various certificates, such as ISO9001, UL, LPCB, TUV, INTERTEK certificates.

With over 200 employees, ASENWARE designs and manufactures the best fire safety products with a professional R&D team and advanced production equipment.

Website & Video

Website:

www.asenware.com

www.asenwarefire.com

Company Introduction Video:

https://www.youtube.com/watch?v=NZE6LcrG_yo&t=1s

A —— **A class, first level**

Promising customers advanced products and appropriate services.

SEN —— **Sensor, detector**

Sensing market needs, providing customers with superior sensors, detectors, and other standard products.

WARE —— **Hardware/software, warehouse**

Owning a professional R & D team and wholesome warehouses.

G —— **Guarantee**

U —— **You**

T —— **To**

A —— **A class**

We guarantee customers to A-class products, services, and solutions, and keep creating product value out of expectation.

Vision

We firmly believe that quality is the cornerstone. We will always maintain the quality of our products.
We will always keep our promises to our customers, offering products, services, and solutions out of expectation.
We are committed to designing and producing the best fire safety products, reducing fire risk, and helping the world become safer.

Mission

To focus on providing high-quality products, services and solutions to customers.
To create value for our customers.

- **1992 - 1996**   Graduated from Harbin Institute of Technology
- **1996 - 1998**   Worked as computer engineer in Harbin Suburban Rural Electrification Bureau
- **1998 - 2000**   Worked as Huawei electrical technical support engineer
- **2005. 5 - Now** Founded ASENWARE
- **Currently**   The president and chief product manager of ASENWARE

We must remember that quality is the cornerstone of our existence, and we will never reduce the quality for any reason.

—— *Strong Wang*

Mr. Strong Wang

AW ASENWARE **Guta**

2005
ASENWARE Founded

200+
Employees

100+
Exporting Countries

1000,000+
Successful Projects

50+
Global Agents

China Marketing Center
Shenzhen Asenware Test & Control Technology Co., LTD
Address: D-26H, Shihong Building, No.63 Fanshen Road, Baoan District, Shenzhen, Guangdong, China -518101
Tel: 0086-13922805301

China R&D and Supply Chain Center
Zhongshan Guta Fire Equipment Technology Co., LTD
Address: 4F, 10#, Xingye Road, Huoju District, Zhongshan, Guangdong, China
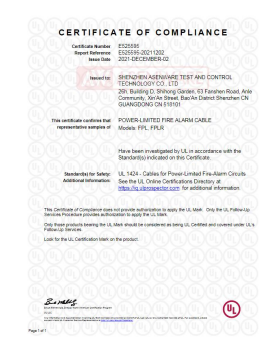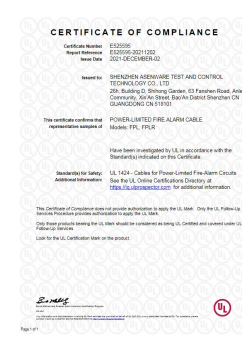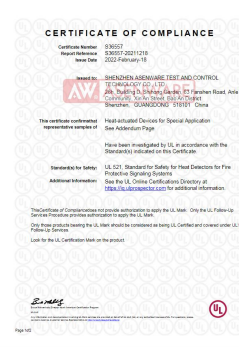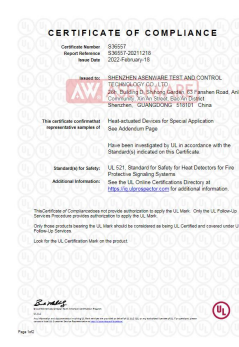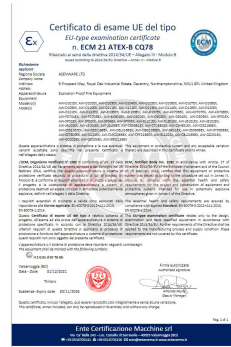**Tel:** 0086-13922805301

UK Marketing Center
ASENWARE LTD
Address: 6 Prospect Way, Royal Oak Industrial Estate, Daventry, Northamptonshire, UK -NN11 8PL

Product Certificates

This page is a collection of product certificates displayed as thumbnails, including LPCB Certificates of Product Approval, TÜV Rheinland Zertifikat/Certificate documents, EU-type examination certificates, UL Certificates of Compliance, and ECM Certificates of Compliance for ASENWARE LTD and Zhongshan Guta Fire Equipment Technology Co Ltd products.

Partners

ASENWARE
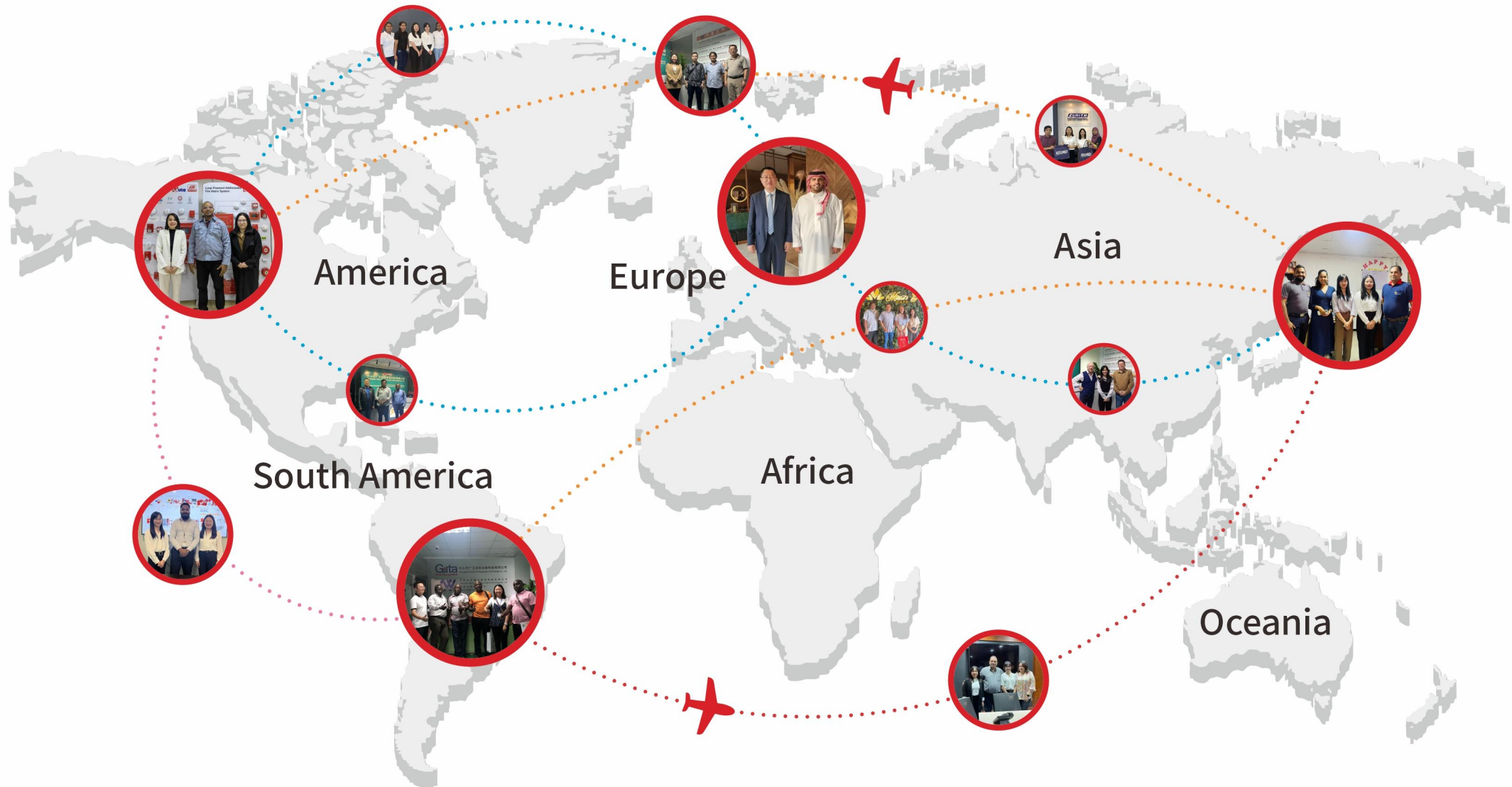
Guta

America

Europe

Asia

South America

Africa

Oceania

20+ YEARS
FIRE ALARM SYSTEM

Projects

Asian projects

- Philippines CRH ABOITIZ CEMENT FM200 Project
- Asenware fire alarm system used in Best Western Hotel Cox Bazar Bangladesh

Philippines

Bangladesh

Africa projects

- Ciudad Del Este, Paraguay Diagonal Residence Project
- Addressable Fire Alarm system used in Nigeria CSS Co.,Ltd Project

Paraguay

DIAGONAL RESIDENCIAL

Nigeria

South & North America projects

- Guatemala HQ Fontabella Building project
- Rubis gas Refinery plant in Jamaica kingston West Indies project

Guatemala

Jamaica

□South America

Ecuador
Tablicon Planta

Iquique, Chile
Quebrada Blanca

Santiago, Chile
Isesa

□Africa

Nigeria
ENUGU ElectricityL Distribution Company

Paraguay
Diagonal Residence project

Kenya Kisumu
Maranda High School

Togo
Jess house perfumery

>>View more on our website<<

In Mongolia

20+ buildings using
Addressable fire alarm system AW-FP200

>>View more on our website<<

In Mongolia

Linear Heat Detection System Project

>>View more on our website<<

In Mongolia

Fire pump in building

>>View more on our website<<

In Thailand
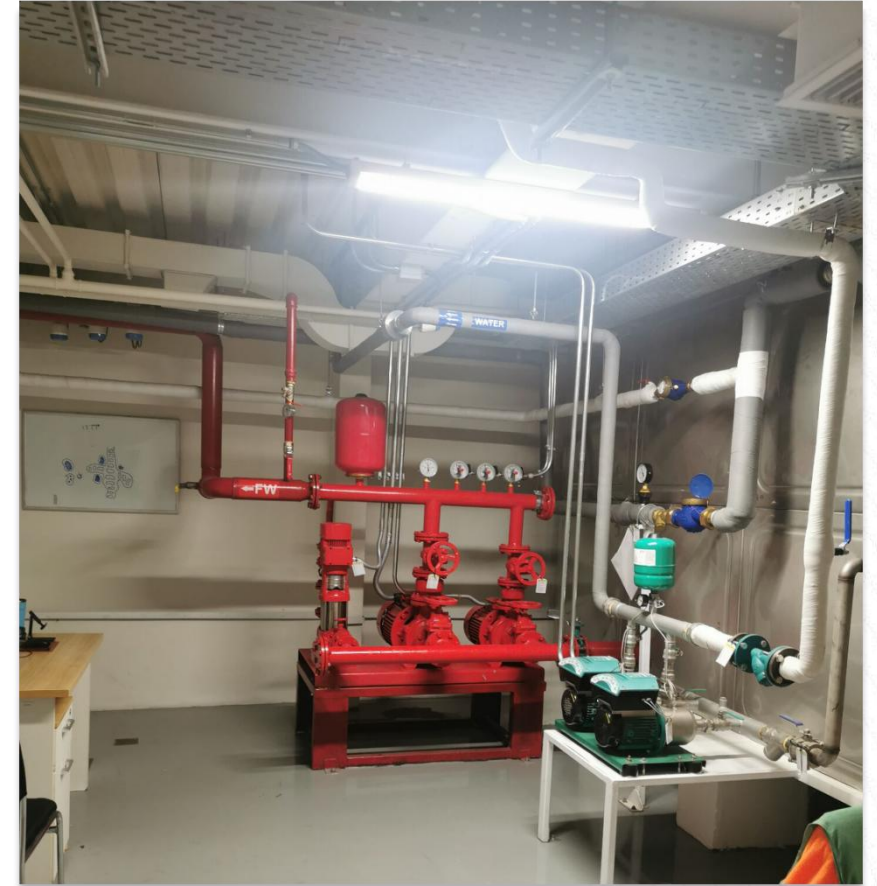
An apartment with 30th floor using
Addressable fire alarm system AW-FP200

>>View more on our website<<

In Thailand

One-stop Solution Fire Alarm and Fire Fighting Product

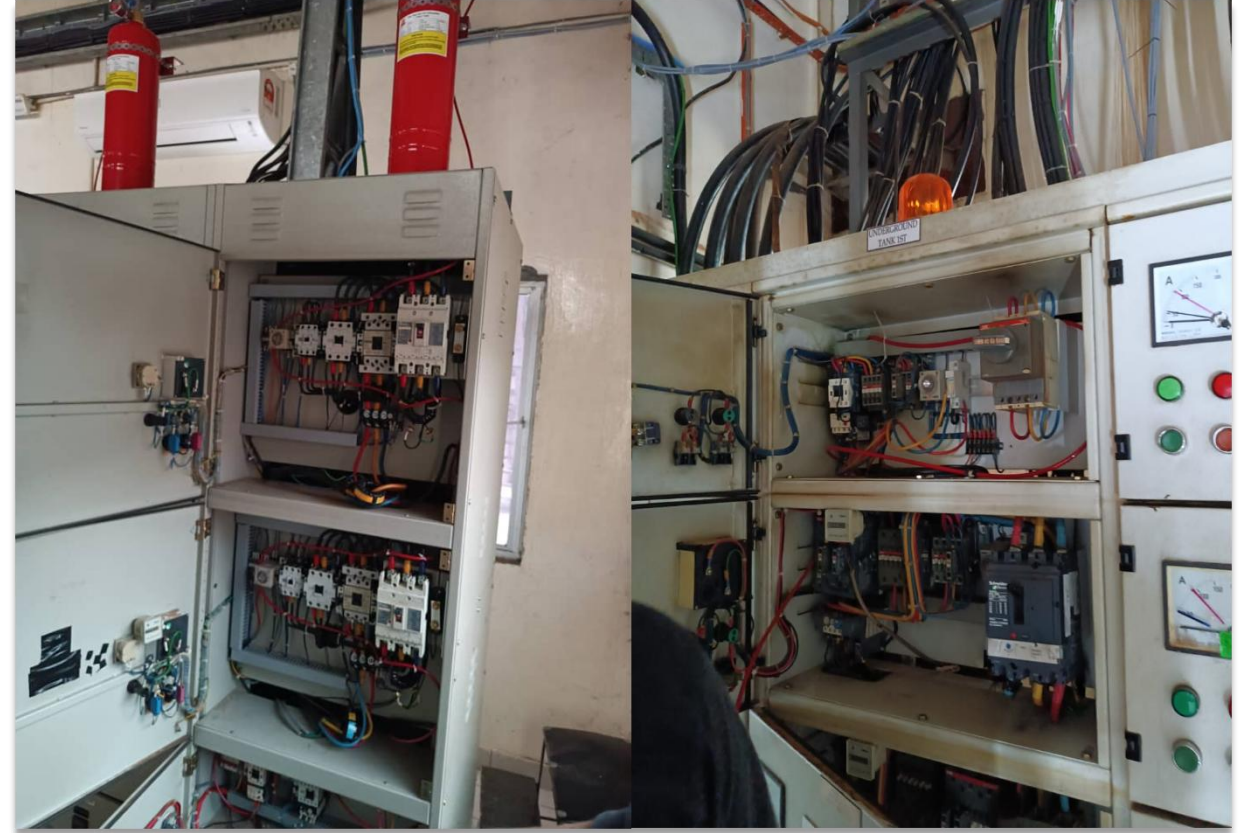>>View more on our website<<

In Myanamar

Project name: YANGON GENERAL MYANMAR HOSPITAL
Asenware AW-FP300 Addressable fire alarm system LPCB approval

In Philippine

Hospital uses
FM200 hanging type gas suppression system

In Malaysia

Fire detection tube suppression system

In Bangladesh

- LPCB certification EN54 standard
- Compatible with most brands fire alarm panels.
- Photo-Electric type spot detector

Five Stars Hotel-Best Western Hotels in Bangladesh

>>View more on our website<<

The airport using
Addressable fire alarm system AW-FP300

>>View more on our website<<

In Dubai
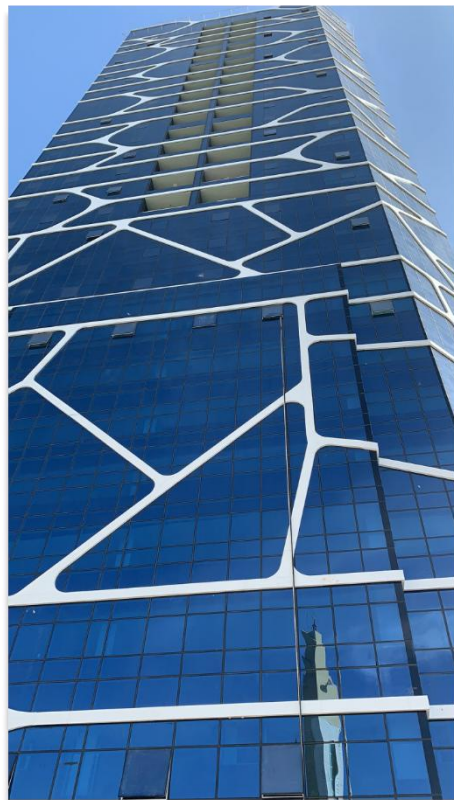
The tower using
Addressable fire alarm system AW-FP300

>>View more on our website<<

Aletqan Tower using
Addressable fire alarm system AW-FP300

>>View more on our website<<

In Iraq

Explosion-proof flame detector

One of the biggest supermarkets uses 50+ using
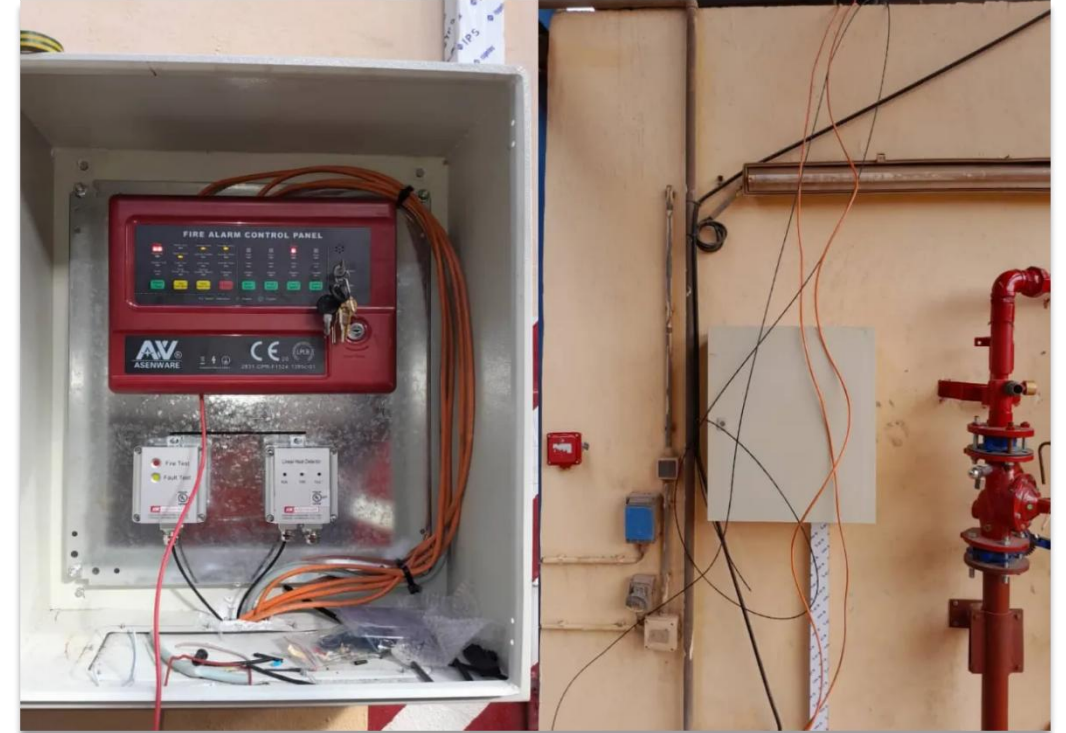Addressable fire alarm system AW-FP2188

Explosion-proof gas detectors

IP Technology building using
Addressable fire alarm system AW-FP200

>>View more on our website<<

Explosion-proof device

>>View more on our website<<

Warehouse uses beam smoke detector and Addressable fire alarm system AW-FP300

>>View more on our website<<

In Guinea

Power station uses
CO_2 gas fire suppression system

In Spain

An Office using
Conventional fire alarm system AW-CFP2166

>>View more on our website<<

The University - UABC using
Addressable fire alarm system AW-FP200

>>View more on our website<<

In Guatemala

ASENWARE

Guta
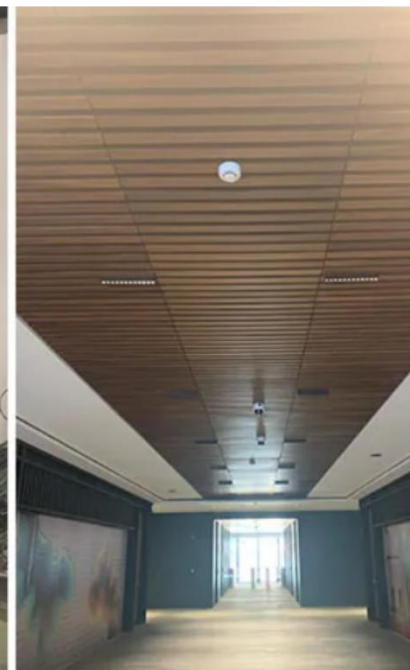
HQ Fontabella Tower using
Addressable fire alarm system AW-FP200

>>View more on our website<<

Nestle factory using
FM200 gas suppression system

>>View more on our website<<

Famous fabric store using
Addressable fire alarm system AW-FP200

>>View more on our website<<

In Papua New Guinea

AW ASENWARE Guta

UL certification

Quick response

Source factory, cost-effective

High quality material, durable

LPCB certification EN54 standard

Multiple functions: multi-sensor self-failure detection indicator lit 144 historical data storage

Fast fire detection

Non-polarity, two-bus connection quick installation

Bussiness building with 23th floor using one stop solution products

>>View more on our website<<
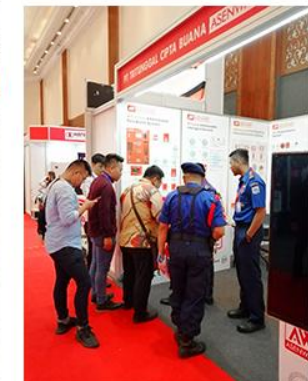
02

PART TWO

Professional Production And Quality Control

ASENWARE guarantees the quality of the products.

1 / International production standards
All products are based on ISO9001-2015 certificate.

ASENWARE LTD.

Quality department workflow flowchart:

Raw material:
- Material Supplier
- Raw material inspection
- Material Warehouse (decision)
  - YES → Raw material storage workshop
  - NO → Procurement of special raw
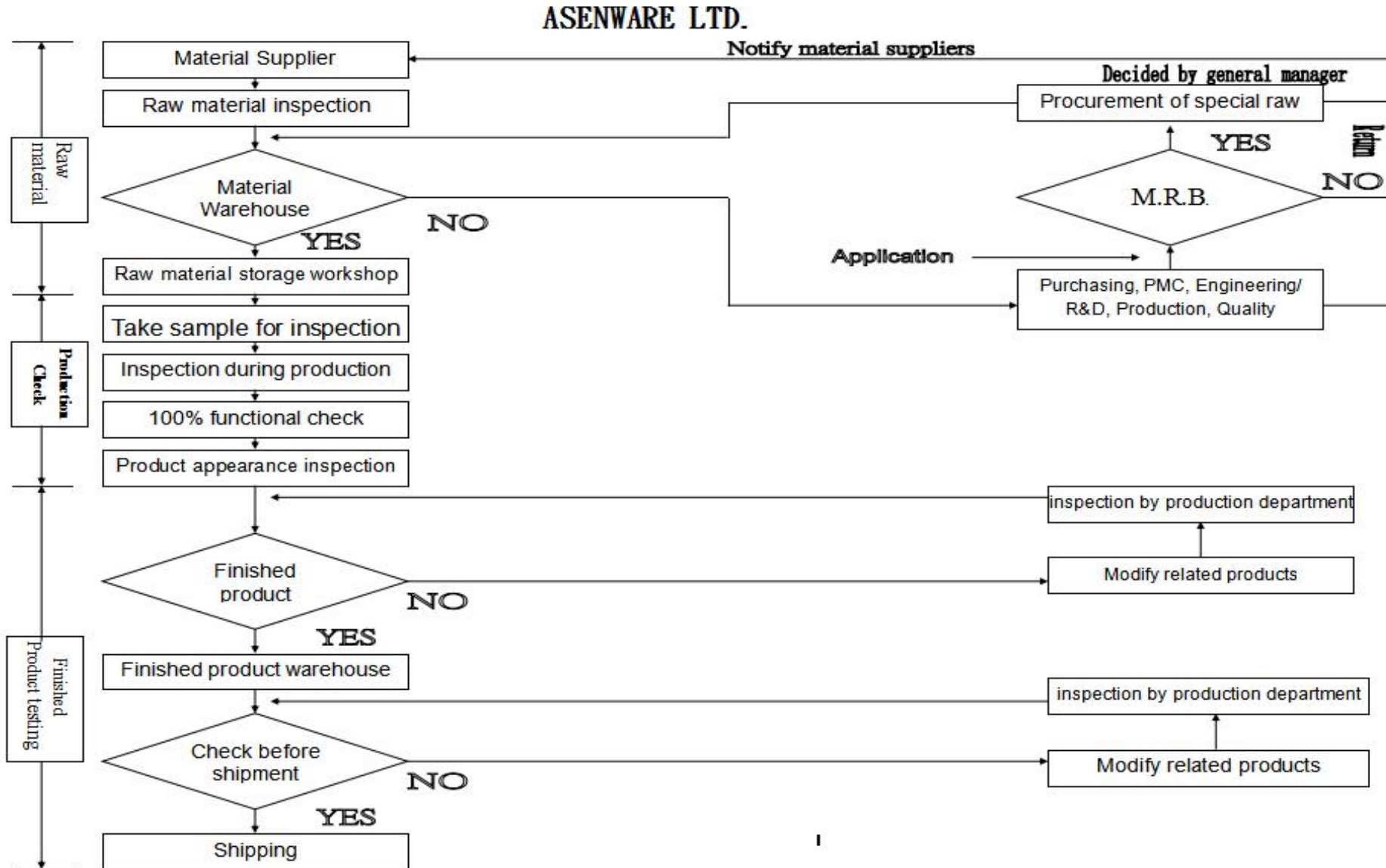
Production Check:
- Raw material storage workshop
- Take sample for inspection
- Inspection during production
- 100% functional check
- Product appearance inspection

Finished Product testing:
- Finished product (decision)
  - YES → Finished product warehouse
  - NO → Modify related products → inspection by production department
- Check before shipment (decision)
  - YES → Shipping
  - NO → Modify related products → inspection by production department

Right side:
- Notify material suppliers
- Decided by general manager
- Procurement of special raw
- M.R.B. (decision) — YES / NO
- Application → Purchasing, PMC, Engineering/R&D, Production, Quality

03

PART THREE

Warehouse And Standard Package

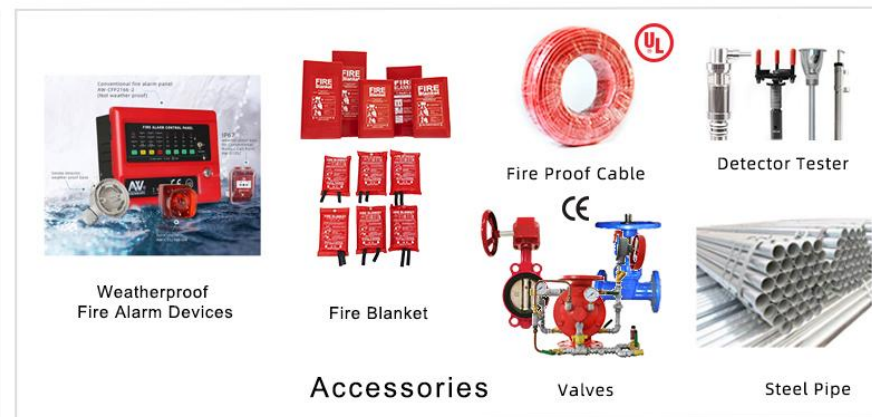ASENWARE ensures the intactness of the products.
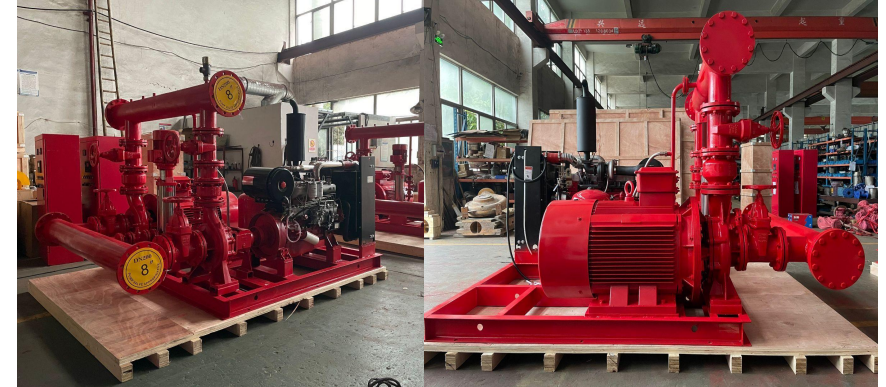
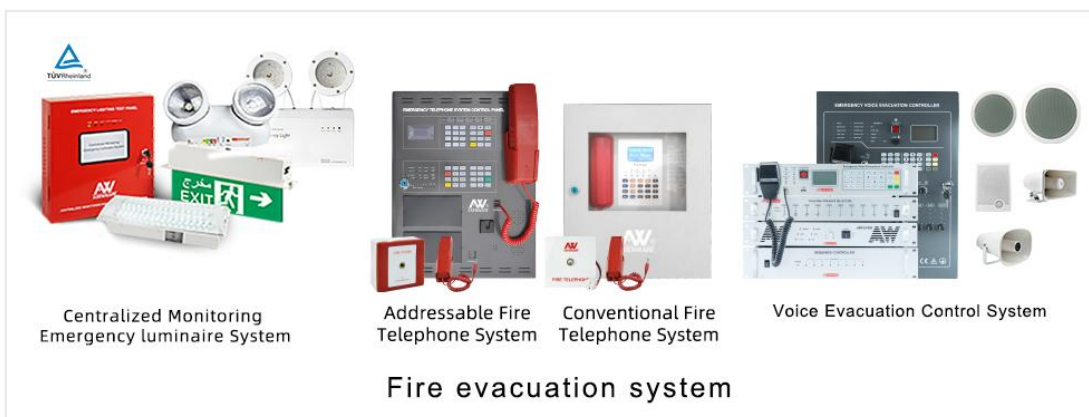# 04

PART FOUR

One-stop Solution

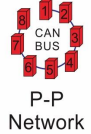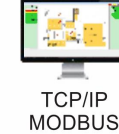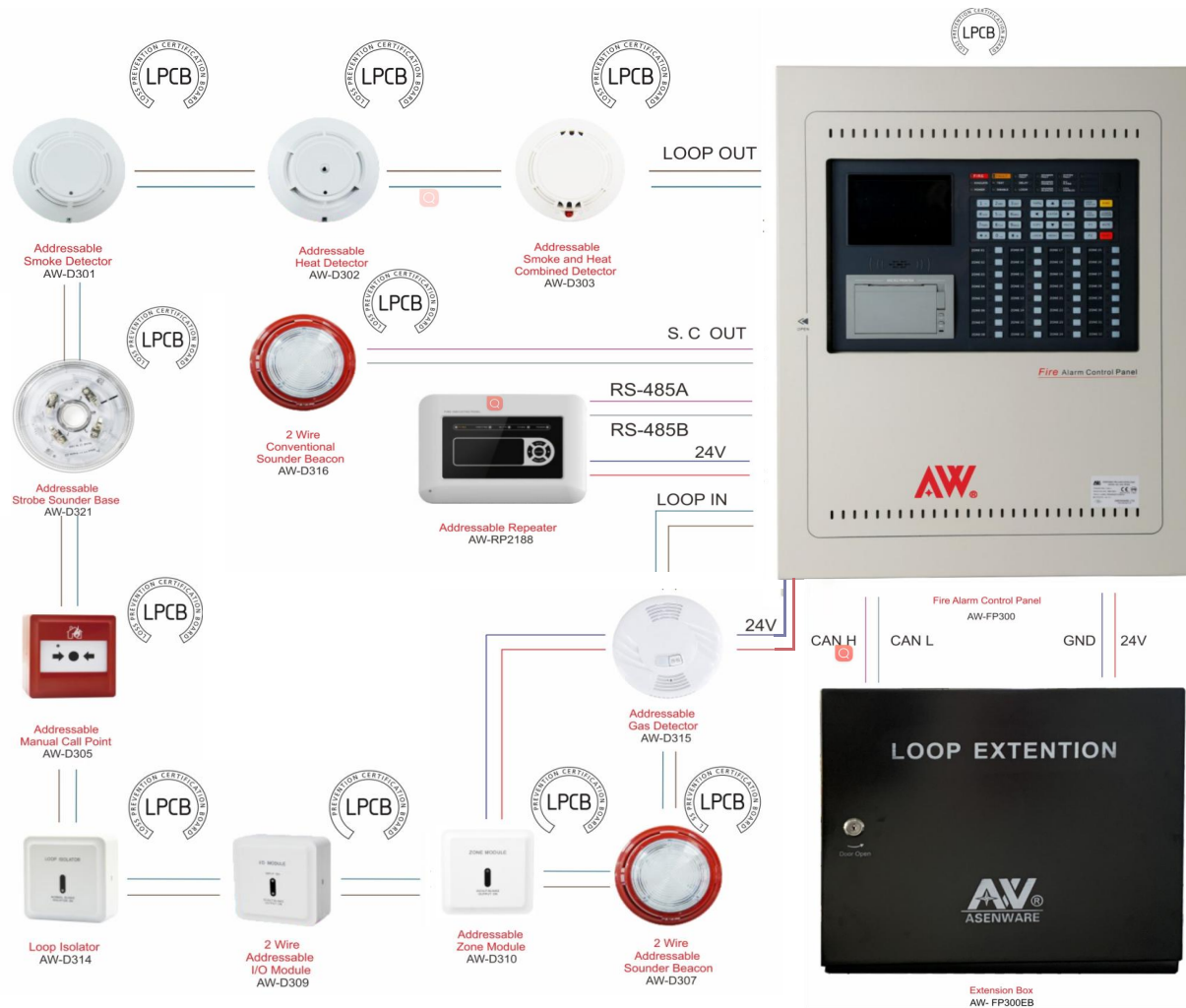ASENWARE focuses on solving customer problems from the beginning to the end of the fire.

05
PART FIVE

Popular Products

The products of ASENWARE comply with international standards,

meeting customer needs.

Addressable Fire Alarm Control System

LPCB

GSM

TCP/IP MODBUS

P-P Network

Addressable sounder beacon waterproof base
AW-BS03

Made of ABS material
Complies with IP65 rating

Addressable Fire Alarm Control Panel
AW-FP312

- One loop with 120 addressable points
- CAN network 20pcs panel
- Graphic monitor

Addressable Smoke Detector AW-D301

Addressable Heat Detector AW-D302

Addressable Smoke and Heat Combined Detector AW-D303

LOOP OUT

Addressable Strobe Sounder Base AW-D321

2 Wire Conventional Sounder Beacon AW-D316

S. C OUT

RS-485A

RS-485B

24V

Addressable Repeater AW-RP2188

LOOP IN

Addressable Manual Call Point AW-D305

24V

Addressable Gas Detector AW-D315

Fire Alarm Control Panel AW-FP300

CAN H   CAN L   GND   24V

Loop Isolator AW-D314

2 Wire Addressable I/O Module AW-D309

Addressable Zone Module AW-D310

2 Wire Addressable Sounder Beacon AW-D307

LOOP EXTENTION

Door Open

AW ASENWARE

Extension Box AW- FP300EB

Applicable scene

Hospital

Supermarket

Building

Office building

Factory

School

YOUTUBE videos:
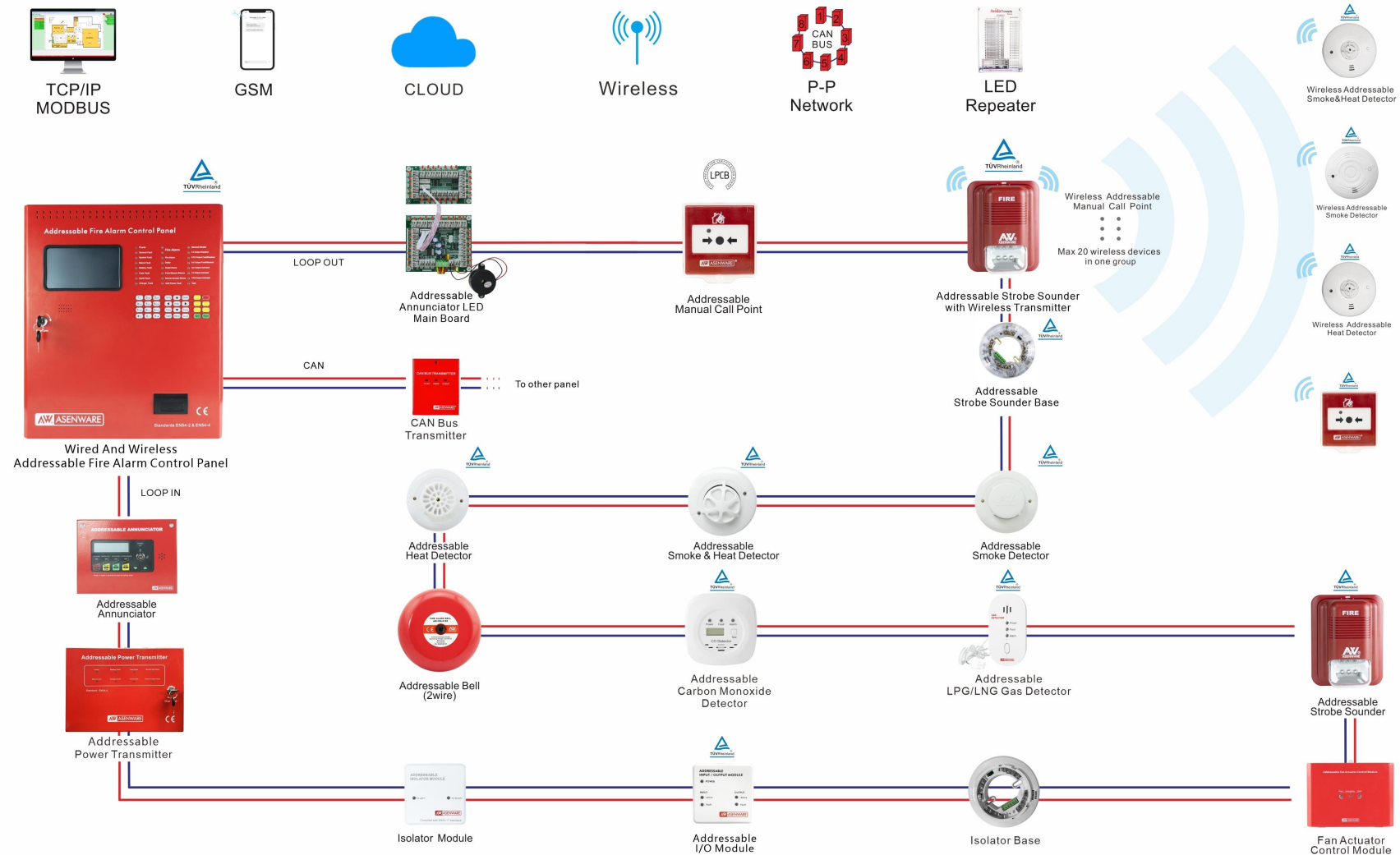
LPCB Approved Addressable Fire Alarm System Introduction

https://youtu.be/OnpWE39195s

This Video Helps Us Familiarize With How The FP300 Addressable

Fire Control System Panel Operates

https://youtu.be/sQnFOPgDuVM

Addressable Fire Alarm System

FP200 Addressable Fire Alarm System

AW ASENWARE
Guta

TCP/IP MODBUS

GSM

CLOUD

Wireless

P-P Network

LED Repeater

Wireless Addressable Smoke&Heat Detector

Wireless Addressable Smoke Detector

LOOP OUT

Addressable Annunciator LED Main Board

Addressable Manual Call Point

Addressable Strobe Sounder with Wireless Transmitter

Wireless Addressable Manual Call Point

Max 20 wireless devices in one group

Wireless Addressable Heat Detector

CAN

To other panel

CAN Bus Transmitter

Addressable Strobe Sounder Base

Wired And Wireless Addressable Fire Alarm Control Panel

LOOP IN

Addressable Heat Detector

Addressable Smoke & Heat Detector

Addressable Smoke Detector

Addressable Annunciator

Addressable Bell (2wire)

Addressable Carbon Monoxide Detector

Addressable LPG/LNG Gas Detector

Addressable Strobe Sounder

Addressable Power Transmitter

Isolator Module

Addressable I/O Module

Isolator Base

Fan Actuator Control Module

■【Panel to panel netwrok】 Every panel can reset, silence, and evacuate other connected panels. supprt to connect with AW-FP128 & AW-FP100 too

■【Wireless】 Each loops support 10 wireless group, maximum can connect 1600 wireless devices

■【Multi language】 Vietnamese, Spanish, Thailand Russian, French, Portuguese available

■【Loop power supply】 The whole addressable loop is two wire only

■【Graphic monitor】 available

■【GSM】 4G 10 mobile phone numbers

7-inch color LCD touch screen
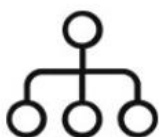
1 to 8 loop, each loop 250 wired addressable points

Support wire & wireless function

EN
Multi language

TCP/IP MODBUS

GSM

CLOUD

Wireless

CAN BUS
P-P Network

LED Repeater

Applicable scene

Hospital

Supermarket

Building

Office building

Factory

School

YOUTUBE videos:

How to Wire and Operate AW FP200 Addressable Fire Alarm System

https://www.youtube.com/watch?v=FN1eQO7BPmY

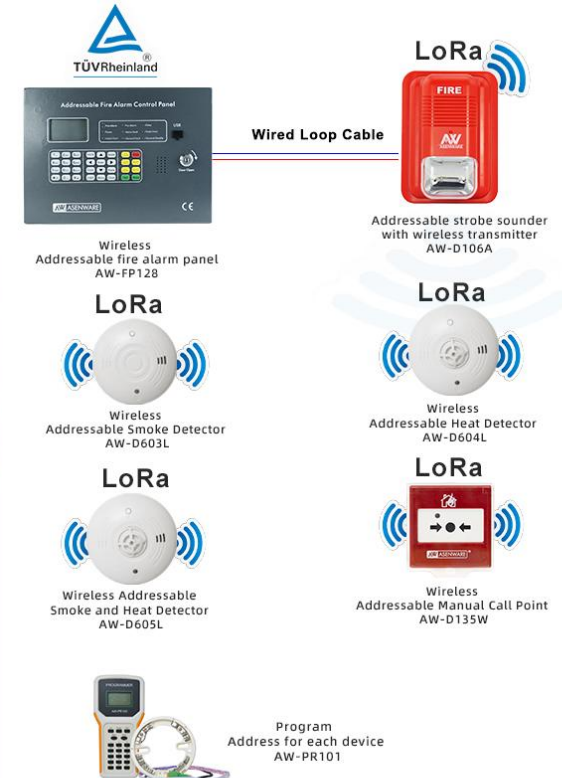| Features |
|---|
| Support LAN and CLOUD mode |
| Multi Level Management |
| Automatically send fire or fault events Emails & SMS to the building managers, engineers or concerned person |
| CLOUD mode can monitor all running panels around the world |
| User-friendly , easy to operate and manage |
| Aesthetic design while maintaining the simplicity in drag and drop feature for devices to the layout |

AW ASENWARE

Guta

Addressable Wireless Fire Alarm System

TÜVRheinland

Wireless Addressable Smoke Detector AW-D603L

Wireless Addressable Heat Detector AW-D604L

Wireless Addressable Smoke and Heat Detector AW-D605L

Wireless Addressable fire alarm panel AW-FP128

Wireless Addressable Manual Call Point AW-D135W

Addressable Strobe Sounder with Wireless Transmitter AW-D106A

Addressable Wireless Fire Alarm System

wireless detectors 　 wired

Can connect both wired and wireless detectors

Wired and wireless loop power

1 loop with 128 wired addressable points

With 1600 wireles addressable points

Support 4G GSM

CAN network 8pcs panel

TÜVRheinland

LoRa

Wired Loop Cable

Wireless Addressable fire alarm panel AW-FP128

Addressable strobe sounder with wireless transmitter AW-D106A

LoRa — Wireless Addressable Smoke Detector AW-D603L

LoRa — Wireless Addressable Heat Detector AW-D604L

LoRa — Wireless Addressable Smoke and Heat Detector AW-D605L

LoRa — Wireless Addressable Manual Call Point AW-D135W

Program Address for each device AW-PR101

YOUTUBE videos:

How to Program and Operate AW-FP128 Addressable Fire Alarm System

https://youtu.be/Qj4LE-oT62E

How to Program & Operate AW-FP128 Wireless Fire Alarm System

https://youtu.be/rgwNEKevXzw

LoRa — LoRa Technology

10 Years — Build-in 10 Years Battery

Low Battery Alarm

EN 14604 — Standards

Applicable scene

Hospital　Supermarket　Building　Office building　Factory　School

AW ASENWARE

Guta

WIRELESS FIRE ALARM CONTROL SYSTEM

Fire alarm control panel
AW-FP032

LoRa	10 Years	GSM function	100dB@1m
LoRa Technology	Build-in 10 YearsBattery	GSM function available	100dB@1m

SPECIFICATION	
Standby battery:	2000mAh 3.7V/ lithium battery
Number of connected devices:	20PCS
The number of mobile phonesthat can be sent to text:	10
Panel Alarm Horn:	≥100dB@1m
Wireless Working Frequency:	433MHz （418MHz-448MHz）

FIRE ALARM CONTROL PANEL

Compatible wireless devices

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

Applicable scene

Home	Hotel	Office	Villa	Hospital	Small Store

Asenware Addressable Explosion-proof Fire Alarm System

- Addressable Explosion-proof heat detector AW-D102EX
- Addressable Explosion-proof optical smoke detector AW-D101EX
- Addressable Explosion-proof weatherproof strobe sounder AW-D106EX
- Addressable Explosion-proof smoke and heat combined detector AW-D103EX
- Addressable Explosion-proof manual call point AW-D105EX
- Fire Alarm Control Panel AW-FP200
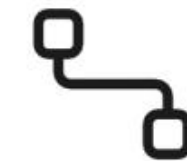
Addressable Explosion-proof devices

Ex-Atex Protection Level IP65

Easy Installation

Application Place

Petroleum

Shipbuilding

Vehicle manufacturing

Underpass

Fired power plant
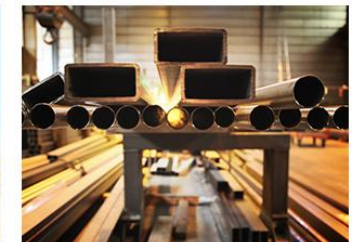
Metallurgy

Conventional Fire Alarm Control System

Conventional Manual Call Point
AW-D135C

6 Inch Fire Bell
AW-CBL2166-6

Smoke Detector
AW-CSD381

Heat Detector
AW-CTD382

Conventional Sounder Beacon
AW-D316

Entrance LED Indicator
AW-EL102

Conventional Fire Alarm Control Panel
AW-CFP2166
1-32 Zone Fire Alarm Panel

Horn Strobe
AW-CSS2166-2

YOUTUBE videos:

Conventional Fire Alarm Control System Introduction
https://youtu.be/U5ntJKKfyHw
How To Wire A Complete Conventional Fire Alarm System
https://youtu.be/X_bROOeidx4

4-wire Conventional UV Flame Detector

Operating Voltage	ZONE 24V
Operating Current	Monitoring status≤3mA, alarm status≤30mA
Spectrum	185-260nm
Sensitivity	Grade 1
Detection Angle	≤120°
Alarm SPL	≥85dB @3m
Operating Temperature	-10℃~50℃ 5% to 95% RH (non-condensing)
Application	For indoor use only
Standard Number Ref	EN54-10
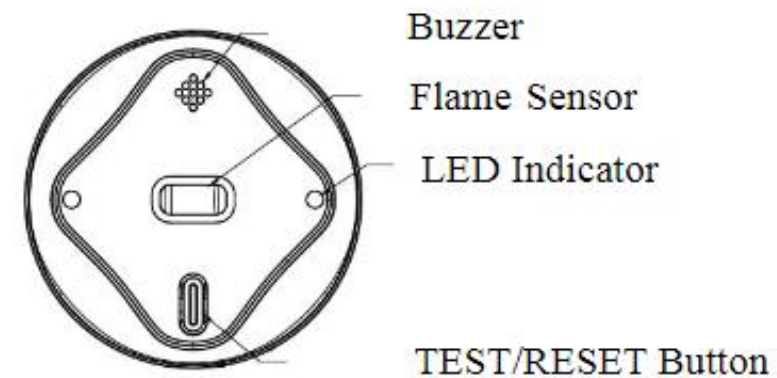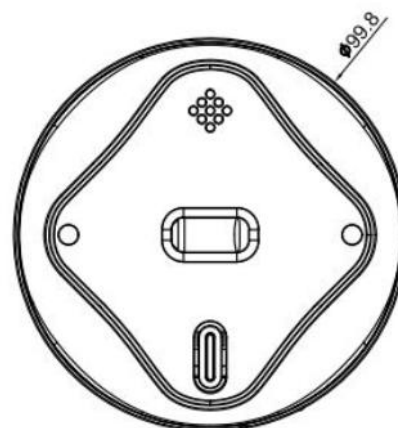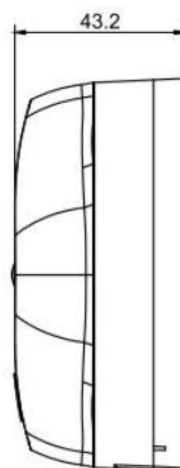
Buzzer

Flame Sensor

LED Indicator

TEST/RESET Button

43.2

Ø99.8

Application Place

Petroleum

Shipbuilding

Vehicle manufacturing

Underpass

Fired power plant

Metallurgy

Adjustable sensibility from 1-3 grades

3
2
1

IP30 and IP66 options

Indication lights: Fire, Fault, Test

J I L
Fire Fault Alignment

LPCB

LPCB approved
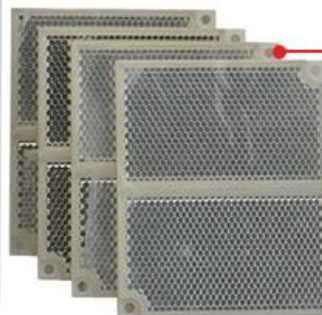
With 4pcs reflectors

Applicable in airport, shopping mall,
factory, warehouse, office, hospital etc.

·With digital funciton

·Adjustable monitor distance from 25-100 meters

·Protective area up to 1400 sqm max.

·PCB board is fully sealed protection technique

·It can self compensating for the influence of dust, vibration and other factors

 to some extent, which improves the detector's reliability.

AW ASENWARE   **Guta**

2.4GHz Wifi

2.4GHz Wifi

2.4GHz Wifi

2.4GHz

Notice, smoke detected

Fire Alarm Message
Fire Alarm From Smoke Detector,
Please Check Now

Device
Type
Home
Time

Check

EN 14604
Standards

Tuya App

9V DC
Replaceable

2.4GHz
Wifi

Low
battery alarm

TÜVRheinland®

Fire Alarm

Device
Type
Home
Time

Check

Smoke Alarm

SMOKE DETECTOR WITH WIFI

SENSITIVE

Applicable scene

Home

Supermarket

Hospital

Office building

Factory

School

Standalone Battery Smoke Detector

Low Battery Warning

Sealed Battery

Automatic alarm

Low battery voltage
keep you safe and sound.

Ultra-Compact Design

Only measuring 105 × 105 x 43 mm, the smoke alarm is so small you can fix it anywhere without taking up too much space. Carry around this portable alarm to protect you while traveling, whether on a business trip or on vacation.
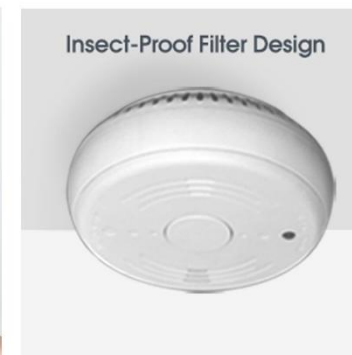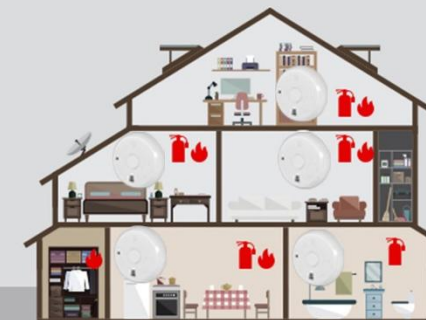
Insect-Proof Filter Design

An effective insect-proof filter design prevents small insects from entering the alarm and triggering false alarms.

Standalone Smoke Detector
AW-D611

Application

For indoor use only
Protect your home from both invisible,
odorless, deadly carbon monoxide and fire

Standalone Battery
Smoke Detector & Heat Detector

AW ASENWARE

Guta

Standalone Smoke Detector
AW-D611

Standalone Heat Detector
AW-D612

TÜVRheinland ®

One Year Replaceable

≥85dB @3m

EN 14604
Standard

9VDC Battery

Applicable scene

Home	Supermarket	Hospital
Office building	Factory	School

10-year Standalone
Smoke Detector & Heat Detector

AW® ASENWARE

Guta

10 Years
Standalone Heat Detector
AW-D616

10 Years
Standalone Smoke Detector
AW-D615

10 Years Lifespan

≥85dB @3m

EN 14604 Standards

3VDC Battery

TÜVRheinland®

Test Button

Buzzer

LED

10 Years Standalone
Battery Smoke Detector
AW-D615

Test Button

Buzzer

LED

10 Years Standalone
Battery Heat Detector
AW-D616

Applicable scene

Home	Supermarket	Hospital
Office building	Factory	School

Battery CO Detector

- **Lifespan 10 years**
- **OEM available**
- TUV approved
- Blister packaging available

TÜVRheinland®

Wires type CO Detector

LPCB
LOSS PREVENTION CERTIFICATION BOARD

TÜVRheinland®

Power Fault Alarm
Test
CO Detector

FIRE ALARM CONTROL PANEL

AW ASENWARE CE

Power Fault Alarm
Test
CO Detector

Conventional fire alarm panel 4 zone
AW-CFP2166-4

24VDC Conventional CO detector
AW-D125C

Conventional 24V & Battery type	LCD display	LED warning light	Low Battery detected	Detect Concentration from 50-999 ppm

50-999 ppm

LPG Gas Detector

Wires type LPG Gas Detector

Conventional fire alarm panel 4 zone
AW-CFP2166-4
Conventional fire alarm panel 4 zone

24V DC 4 wire LPG Gas Detector
AW-D132C-4W

GSM Module

AW ASENWARE

Power   Comm

Conventional Fire alarm
Control Panel Series
AW-CFP2166

Addressable Fire Alarm
Control Panel
AW-FP300

GSM Module

Power   Comm

AW ASENWARE

GSM Module
AW-GSM200

SMS

Anti-
interference

4G
Mobile Phone

Gas Extinguishing Release
Control Panel
AW-GEC2169

other brand panel also avaible

AW ASENWARE
GSM module-4G
4G
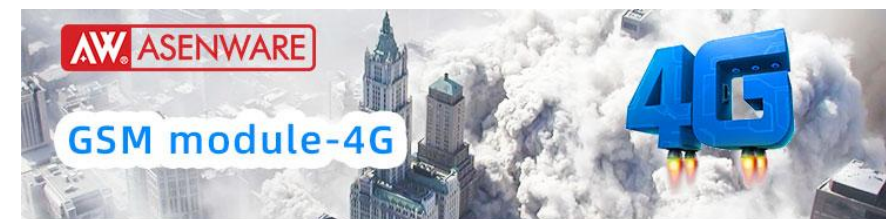
Addressable Fire alarm control system

Addressable Fire alarm
control Panel
AW-FP100

GSM Module
AW-FP100GSM-2G/4G

Applicable scene

Hospital   Supermarket   Building

Office building   Factory   School

Water-proof Fire Alarm System

2166 Water-proof Fire Alarm System

ASENWARE

Guta

Fire Alarm Weather Proof Series

● Weather proof
● Dustproof
● Good sealing
● Factory direct sales
● Quality Assurance

Conventional fire alarm panel AW-CFP2166-2C (Not weather proof)

IP67 Weather proof box AW-WB001 for Conventional Manual Call Point

Water-Proof Strobe Sounder AW-D106C

Smoke detector weather proof base AW-WB02

Horn strobe AW-CSS2166-4W

Zone 1

Smoke Detector AW-CSD381 with Base AW-WB02

IP67

Zone 2

Manual Call Point AW-D135C with Weather Proof Box AW-WB001

Conventional fire alarm panel AW-CFP2166-2 (Not weather proof)

Water-proof Strobe Sounder AW-D106C

BELL

Horn strobe AW-CSS2166-4W

Water-proof Fire Alarm System

Water-proof Strobe Sounder AW-D106C
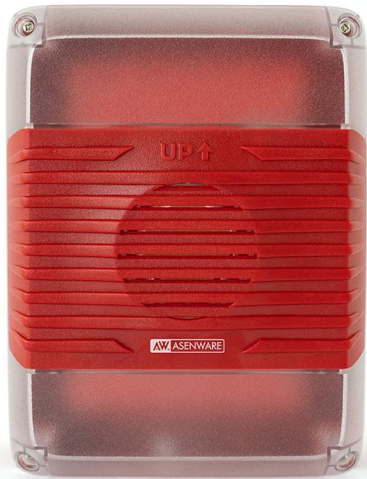
- AC/DC Power Supply

- IP 65

- 10 minute buzzer silence

- 105dB @1m

- Meet EN54-3:2014 requirement

Explosion-proof Flame Detectors

Zone 1

Explosion proof optical smoke detector
AW-CSD381EX

Explosion proof heat detector
AW-CTD382EX

Explosion proof smoke and heat combind detector
AW-CSH831EX

Zone 2

Explosion-proof ultraviolet flame detector
AW-FD706EX

Explosion-proof ultraviolet & infrared combined flame detector
AW-FD707EX

Explosion-proof ultraviolet & infrared 3 flame detector
AW-FD708EX

Explosion-Proof Ultraviolet and Infrared Flame Detector
AW-FD704EX

FIRE ALARM CONTROL PANEL

Zone 3

Explosion proof safety barrier
AW-D137EX

Explosion-proof manual call point
AW-D135EX

Explosion-proof Infrared Linear Reflex Beam Smoke Detector with Reflector
AW-BK901EX

Conventional Fire Alarm Control Panel
AW-CFP2166-4 ZS

Bell 2   **Bell 1**

The Explosion weather -proof strobe-sounder
AW-CSS2167EX

Explosion proof fire strobe
AW-CSS2166EX

Explosion-proof fire bell
AW-CBL2166EX

The Explosion weather -proof strobe-sounder
AW-CSS2168EX

ε_x

Certificato di esame UE del tipo
EU-type examination certificate
n. ECM 21 ATEX-B CQ78

Application Place

Petroleum

Shipbuilding

Vehicle manufacturing
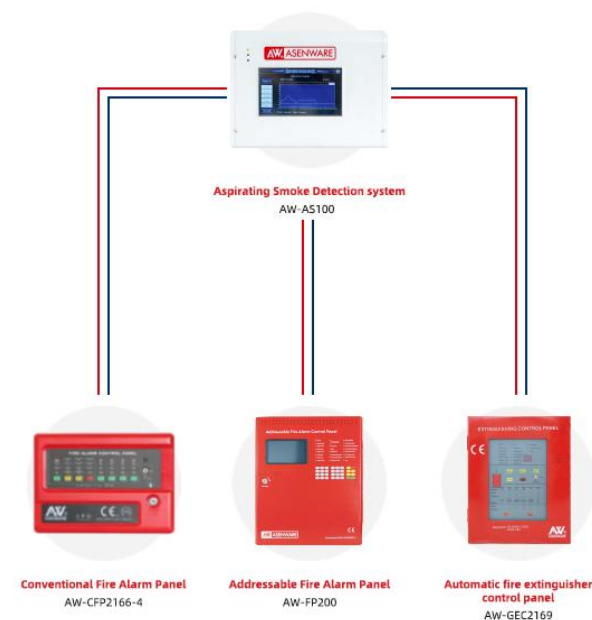

Underpass

Fired power plant
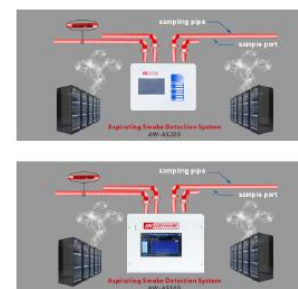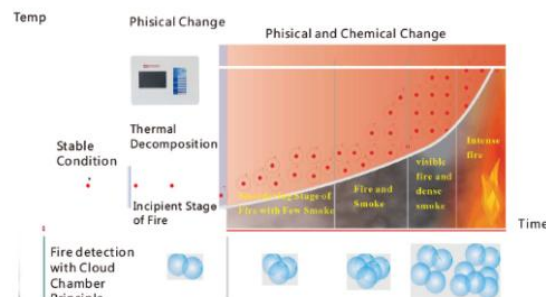

Metallurgy

ASPIRATING SMOKE DETECTION SYSTEM

Feature

- 7 inch color touch screen
- 2 & 4 detection pipe available
- Earlier detection with high sensitivity
- Automatic cleaning function
- Multi-level alarm function with 5 alarm stage

Work with Fire alarm and gas suppression panel

Aspirating Smoke Detection system
AW-AS100

Conventional Fire Alarm Panel
AW-CFP2166-4

Addressable Fire Alarm Panel
AW-FP200

Automatic fire extinguisher control panel
AW-GEC2169

Combustion analysis

Applicable scene

Bank vault   Warehouse   Library   Pharmaceutical factory   Museum   Machine room

Fire Linear Heat Cable

(EX) Explosion Proof

Weather proof type

High Performance of Chemical Resistance

Up to 500 meters

Digital Normal Indoor type
Outdoor using type
Used in Hazardous Areas Type

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)

(EX) Explosion Proof

Weather proof type

High Performance of Chemical Resistance

Up to 500 meters

Fire and flame retardant

Digital Normal Indoor type
Outdoor using
Used in Hazardous Areas Type

Fire Linear Heat Cable

CERTIFICATE OF COMPLIANCE

Certificate Number   S36557
Report Reference   S36557-20211218
Issue Date   2022-February-18

Issued to: SHENZHEN ASENWARE TEST AND CONTROL
              TECHNOLOGY CO., LTD
              26h, Building D, Shihong Garden, 63 Fanshen Road, Anle
              Community, Xin'An Street, Bao'An District
              Shenzhen,   GUANGDONG   518101   China

This certificate confirms that   Heat-actuated Devices for Special Application
representative samples of   See Addendum Page

                                 Have been investigated by UL in accordance with the
                                 Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 521, Standard for Safety for Heat Detectors for Fire
                           Protective Signaling Systems
Additional Information: See the UL Online Certifications Directory at
                           https://iq.ulprospector.com for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up
Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's
Follow-Up Services.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at http://ul.com/aboutul/locations/

Page 1 of 2

Applicable scene

**Cable tunnels
cable shafts
cable interlayers
cable trays**

**It is not easy to
install the interlayer
and dull page of the
point detector;**

**Various belt
transmission devices;**

**Other harsh
environments are
not suitable for
the installation
of typical detectors.**

Fire-proof Cable
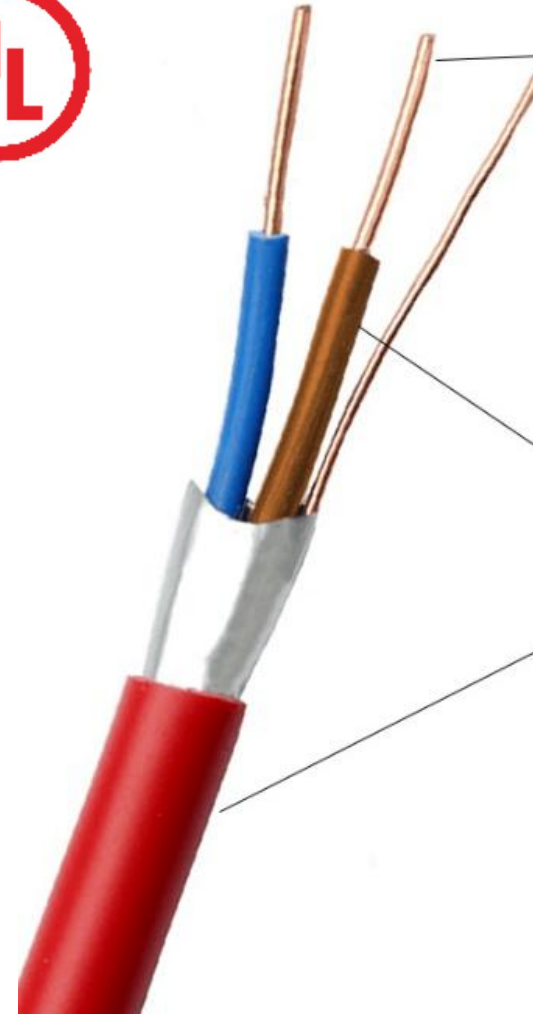
High conductivity

Low loss

Save power

Durable

Refractory Aluminum FOIL

Low smoke halogen-free non-toxic odorless

CERTIFICATE OF COMPLIANCE

Certificate Number	E525595
Report Reference	E525595-20211202
Issue Date	2021-DECEMBER-02

Issued to: SHENZHEN ASENWARE TEST AND CONTROL TECHNOLOGY CO., LTD
26h, Building D, Shihong Garden, 63 Fanshen Road, Anle Community, Xin'An Street, Bao'An District Shenzhen CN GUANGDONG CN 518101

This certificate confirms that representative samples of POWER-LIMITED FIRE ALARM CABLE
Models: FPL, FPLR

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1424 - Cables for Power-Limited Fire-Alarm Circuits
Additional Information: See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program
UL LLC

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Page 1 of 1

Applicable scene

Hospital

Supermarket

Building

Office building

Factory

School

RACK TYPE VOICE EVACUATION SYSTEM

WALL-MOUNTED VOICE EVACUATION SYSTEM

YOUTUBE operating videos:
How to Wire and Operate AW-EVC500 Emergency Voice Evacuation Control System
https://youtu.be/m8hAHZgYImQ

Work with Fire alarm and gas suppression panel

Conventional Fire Alarm Panel
AW-CFP2166-4

Addressable Fire Alarm Panel
AW-FP200

Automatic fire extinguisher control panel
AW-GEC2169

Emergency Voice Evacuation Controller
AW-EVC500

- 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 80HZ-10KHZ±3DB.
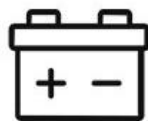
Application scene

Build-in 500Watt amplifier

10 zone speaker outputs

MP3 background music

Built in battery charger

Shopping mall

Supermarket

Restaurant

Hospital

Factory

Multi Zone Speaker Selector
AW-EV602

- 5 zone control boards, 50 speaker zones in total, used for extending zones, and can also be used to expand power with external power amplifiers. Each speaker zone has an independent isolating switch.

- Each zone board has 10 speaker zones, 1 audio input and 1 audio output.

- Indicators for each zone board: 1 power indicator, 10 activation indicators, 10 isolation indicators.

Emergency Voice Evacuation Controller
AW-EVC100

AW ASENWARE

Guta

- Preamplifier+MP3 player+ Emergency Voice+Battery charger.

- Communication with fire alarm panel. 2xMic+2AUX IN + 2xPagging (200 addresses)+ MP3 + Bluetooth+1xSD card.

- 1x Built-in Speaker+ 2x Audio Output.

- 20x emergency input +1x CAN+ 2x RS485 +1x LAN.

Remote Paging Station
AW-EV601

- 3.4-inch display screen
- Network cable connection
- Priority level management
- Zone control

Ten Zone Speaker Selector
AW-EV603

- Each partitioner contains 10 partitions and can be cascaded up to 99 partitions up to 990 partitions.

- 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 broadcast host, and use it in conjunction with the host to control the opening and closing of the partition.

- 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 socket

- 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

Power Amplifier
AW-AP350/500/1000/1500/2000

AW ASENWARE

Guta

Power Amplifier

AW-AP500/1000/1500/2000

- Power Amplifier from 350W to 2000W
- Support fault output function

Work with Fire alarm and gas suppression panel

Conventional Fire Alarm Panel
AW-CFP2166-4

Addressable Fire Alarm Panel
AW-FP200

Automatic fire extinguisher control panel
AW-GEC2169

Emergency Voice Evacuation System
(Rack Type)

LED Lamp Emergency Light
TUV Certificate
AW-EL101

Twin Lamp Emergency Light
AW-EL207

Twin Lamp Emergency Light
AW-EL208

Exit Sign TUV Certificate
AW-EL301

Twin Lamp Emergency light
AW-EL0203

Dual Head LED Emergency Light
AW-EL204

Exit Sign
AW-EL304

Exit Sign with lamp head
AW-EL205

Twin-spot LED Emergency Light
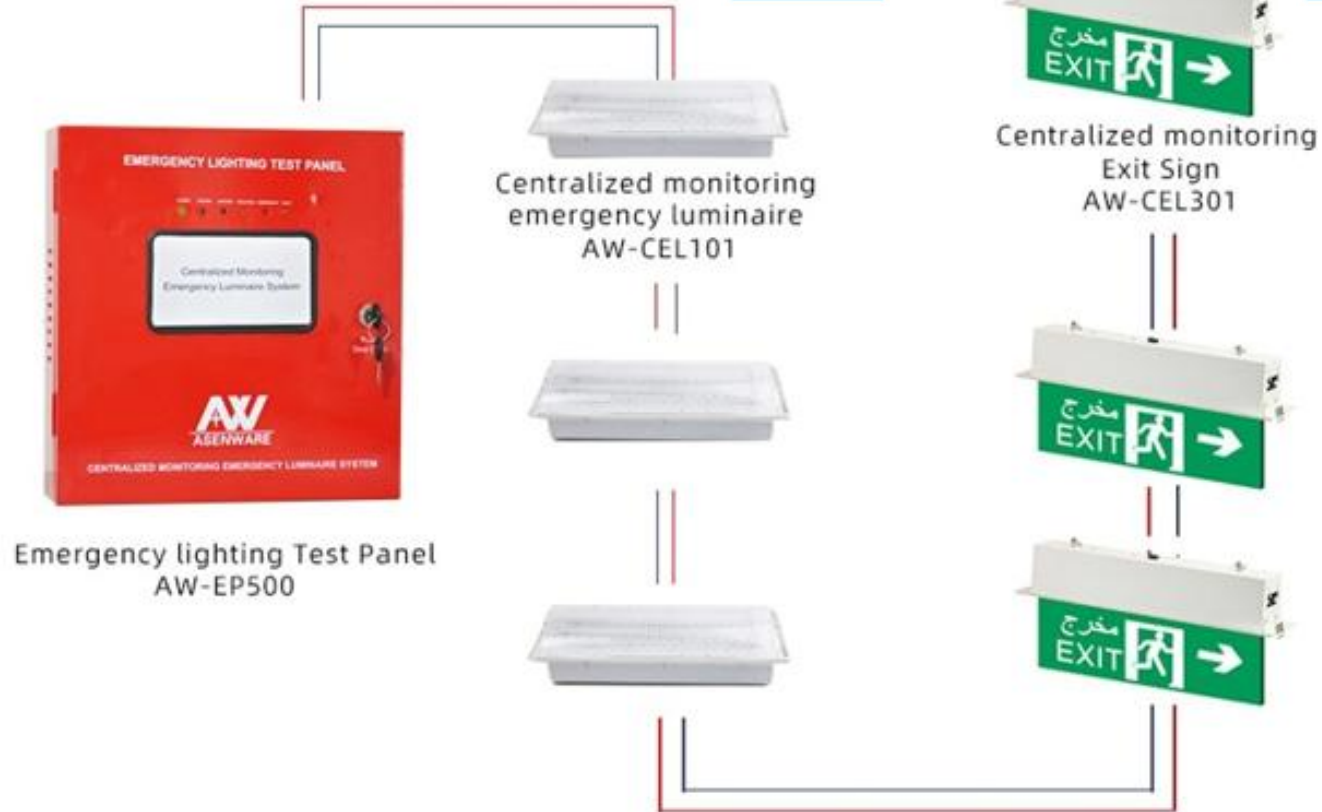AW-EL206

Suspended Exit Sign
AW-EL303

Wall-mounted Exit Sign
AW-EL306

Suspended LED Acrylic Exit Sign
AW-EL305

Emergency Luminaire System

Emergency lighting Test Panel
AW-EP500

Centralized monitoring
emergency luminaire
AW-CEL101

Centralized monitoring
Exit Sign
AW-CEL301

Applicable scene

Hospital

Supermarket
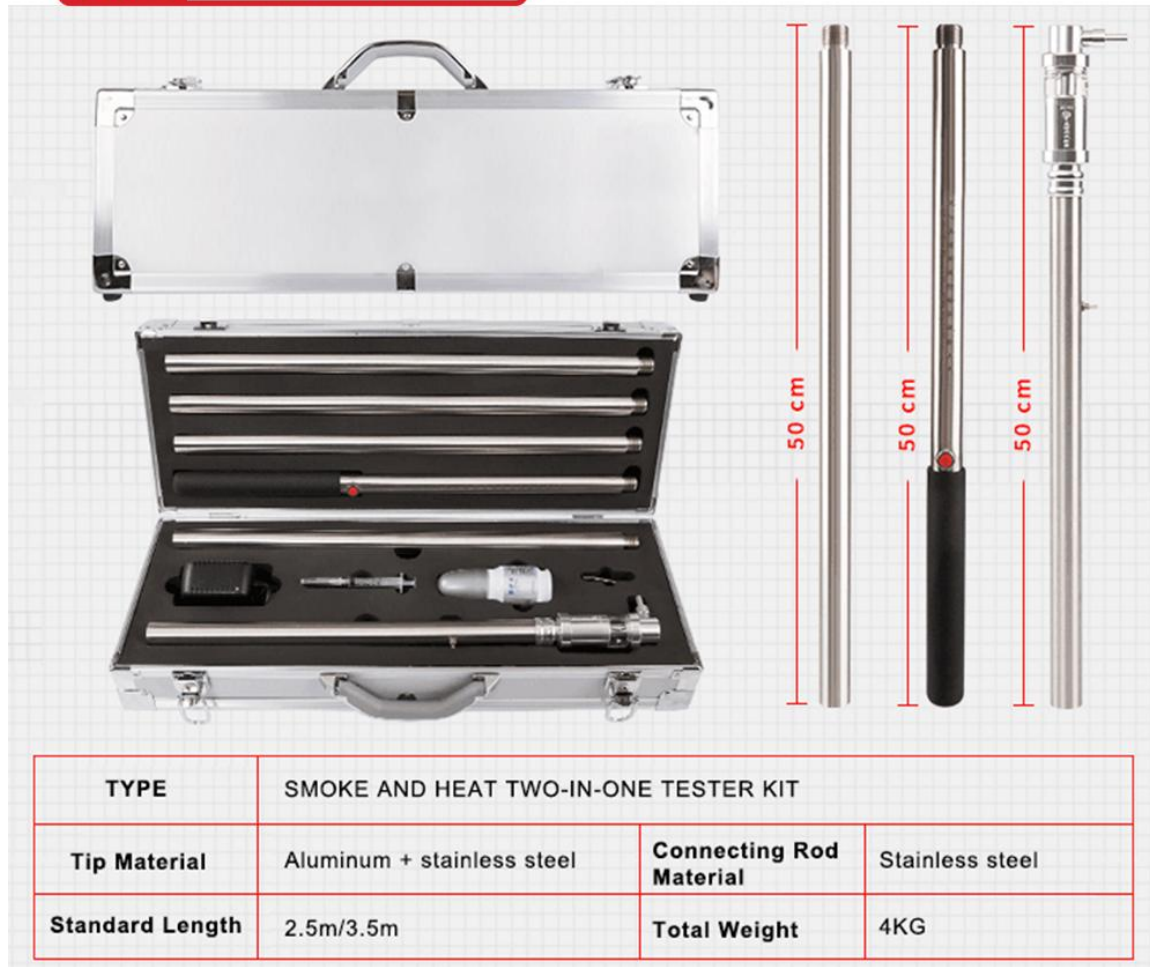
building

TYPE	SMOKE AND HEAT TWO-IN-ONE TESTER KIT		
Tip Material	Aluminum + stainless steel	Connecting Rod Material	Stainless steel
Standard Length	2.5m/3.5m	Total Weight	4KG

Heat detector tester
AW-D202

Smoke&Heat Detector
2in1 Tester
AW-D206

Smoke detector tester
AW-D201

Flame simulator
AW-D204

Smoke & Heat Detector
Disassembly tool
AW-D208

Applicable scene

Hospital

Supermarket

Building

Office building

Factory

School

Parameter

- Heating Element :220V/100W or 110V/100W

- Length 1.75meter x Dia.32mm Light weight

  Aluminum Pole

- Cable Length 30meter

- Aluminum case with lock

General Description

The heat detector tester is specially designed to provide quick and reliable testing of heat detector with a maximum of safety regardless of the number of units to be tested for fire alarm system on the ceiling, offers efficient testing in a simple to use format for power 110V to 230V.
The main parts of the products are aluminum and stainless steel, firm and durable to use, simple and practical to operate, convenient and easy to carry.
The product is widely applicable for firefighting system installation and engineering, fire alarm system maintenance and testing etc.

Parameter

- Length 1.6 meter x Dia.32mm

- Light Weight Aluminium pole
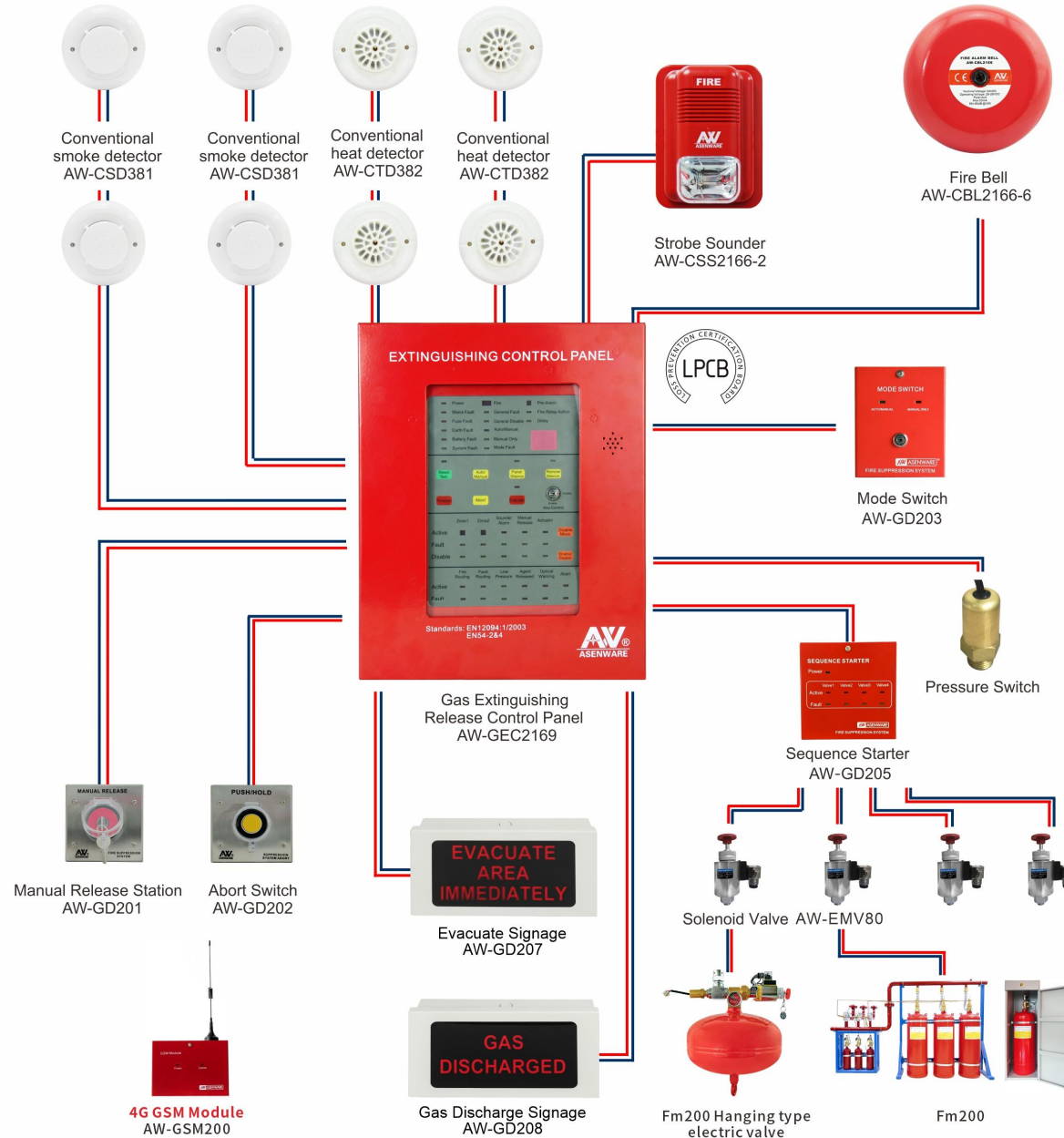
- Triggering mechanism

- Aluminium case with lock

General Description

The smoke detector tester is specially designed for checking the ionization and photoelectric detector at sight for smoke detection fire alarm system on the ceiling, offers efficient testing in a simple to use format either handheld or with use of a light weight aluminum alloyed dispenser.
The main parts of the products are aluminum and stainless steel, firm and durable to use, simple and practical to operate, convenient and easy to carry.
The product is widely applicable for firefighting system installation and engineering, fire alarm system maintenance and testing etc.

Conventional smoke detector AW-CSD381

Conventional smoke detector AW-CSD381

Conventional heat detector AW-CTD382

Conventional heat detector AW-CTD382

Strobe Sounder AW-CSS2166-2

Fire Bell AW-CBL2166-6

EXTINGUISHING CONTROL PANEL

LPCB

Mode Switch AW-GD203

Gas Extinguishing Release Control Panel AW-GEC2169

Pressure Switch

SEQUENCE STARTER

Sequence Starter AW-GD205

Manual Release Station AW-GD201

Abort Switch AW-GD202

EVACUATE AREA IMMEDIATELY

Solenoid Valve AW-EMV80

Evacuate Signage AW-GD207

4G GSM Module AW-GSM200

GAS DISCHARGED

Gas Discharge Signage AW-GD208

Fm200 Hanging type electric valve

Fm200

AW-GEC2169 EXTINGUISHING CONTROL PANEL

EXTINGUISHING CONTROL PANEL

Standards: EN12094:1/2003
EN54-2&4

AV ASENWARE

Stand-By
Power Build-in

Delay Time
Adjustable Setting

Automatically
Power Switching

GSM Module
Optional Installation

Features

- **Durable:** Outside cabinet protection
- **Resettable:** Panel reboot time and extinguishant release both can be delayed
- **Multifunctional:** Resettable 24V DC port can connect 4-wire devices
- **Selectable:** Enable / disable function
- **Pre-alarm:** Pre-alarm is the first stage fire alarm
- **Standard:** Standard EN54-2, EN12094-1

Applicable scene

Data room	Electrical room	Library
Scientific research test building	Transformer	Valuable equipment room

YOUTUBE operating videos:
What Is A Gas Fire Suppression Release Control System
https://youtu.be/Gp1GaackL24

Gas Fire Suppression System

CE

AW ASENWARE Guta

Manifold Type
Cabinet Type
Fixed Temperature Hanging Type
Electric Hanging Type
FM200 Tube type fire suppression system (direct & indirect type)

Maintained easily

Automatic extinguishing system

High extinguishing efficiency

Certificate – Сертификат – 證明書 – Certificat – 증명서 –

Certificate of Compliance

ECM

No. 3N220104.A0049

Certificate's Holder:
ASENWARE LTD.
6 Prospect Way
Royal Oak Industrial Estate
Daventry, Northamptonshire,
NN11 8PL
United Kingdom

Certification ECM Mark:
European Conformity
Type Approved

Product: Gas Suppression System
Model(s):
AW-FMC2042, AW-FMC4042, AW-FMC7042,
AW-FMC9042, AW-FMC12042, AW-FMC15042,
AW-FMC18042, AW-FMCB2025, AW-FMCB4025,
AW-FMCB7025, AW, FMCB9025, AW-FMCB12025,
AW-FMCB15025, AW-FMCB18025, AW-GSFH,
AW-GSFT, AW-GSNM, AW-GSNB, AW-GSNT,
AW-GSCM, AW-GSCB, AW-GSCT, AW-GSDH,
AW-GSKT, AW-GSIT

Verification to: Standard:
EN 3-9:2006

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the ECM regulation about its release and its use. The regulation can be found at www.entecerma.it. This Certificate of Compliance can be checked for validity at www.entecerma.it
This verification doesn't imply assessment of the production of the product(s).

Date of issue 04 January 2022
Service Manager
Luca Bedonni

Expiry date 03 January 2027
Deputy Manager
Amanda Payne

Ente Certificazione Macchine Srl
Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) - ITALY
☏ +39 051 6705141 📠 +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it

Asenware engineers design gas system BOQ based onNFPA standard
Quick gas spraying time less then 10s
Options delay time (0-75s) to release gas agent
Automatic and manual activation mode options
FM200 and FK-5-1-12 is clean agent for environmental protection
Applicable to data room, server room, ups room, IT room etc.

Applicable scene

Data room

Electrical room

Library
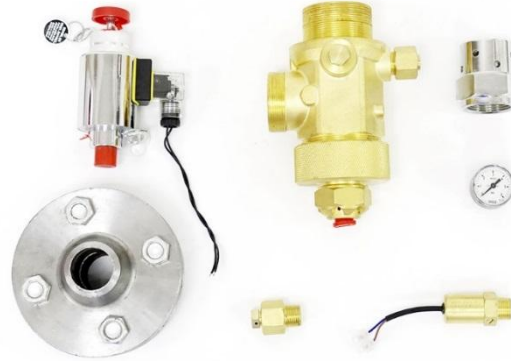
Scientific research test building

Transformer

Valuable equipment room

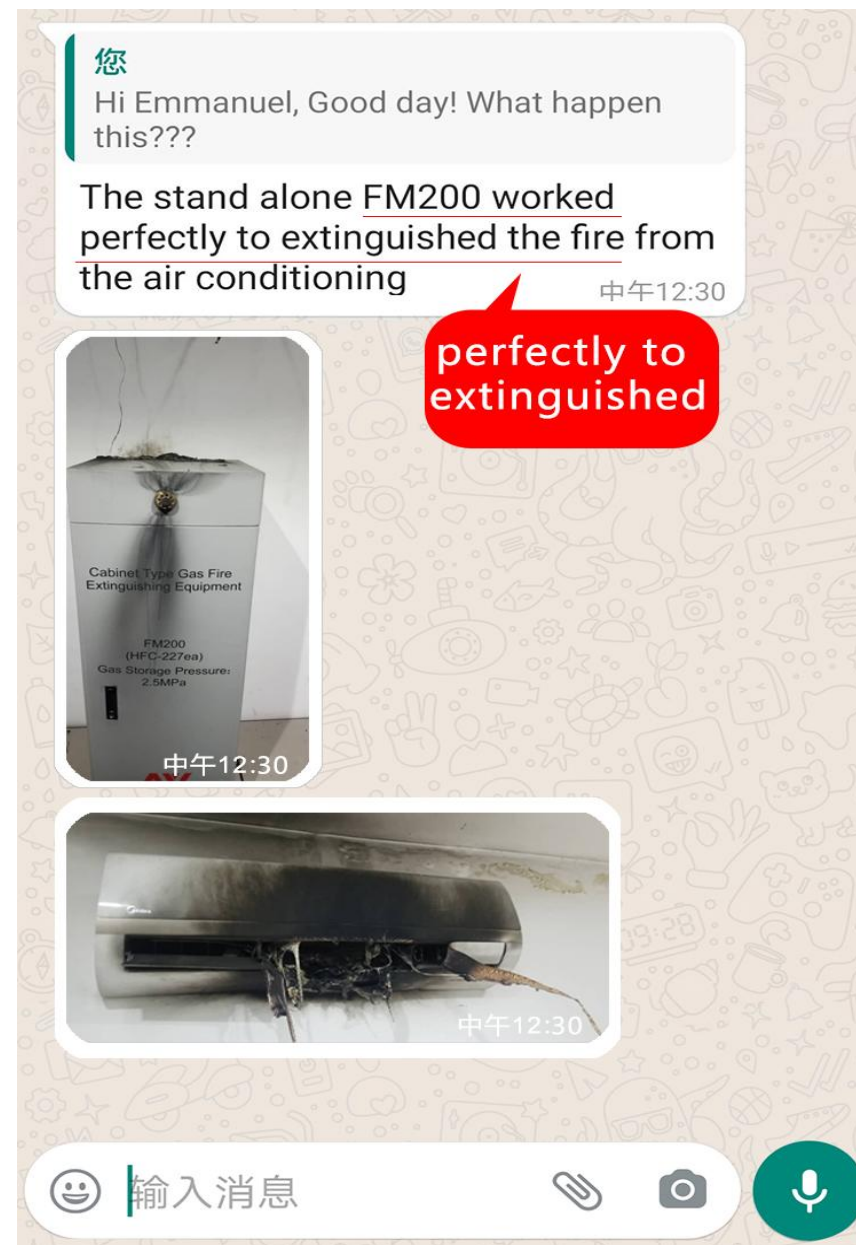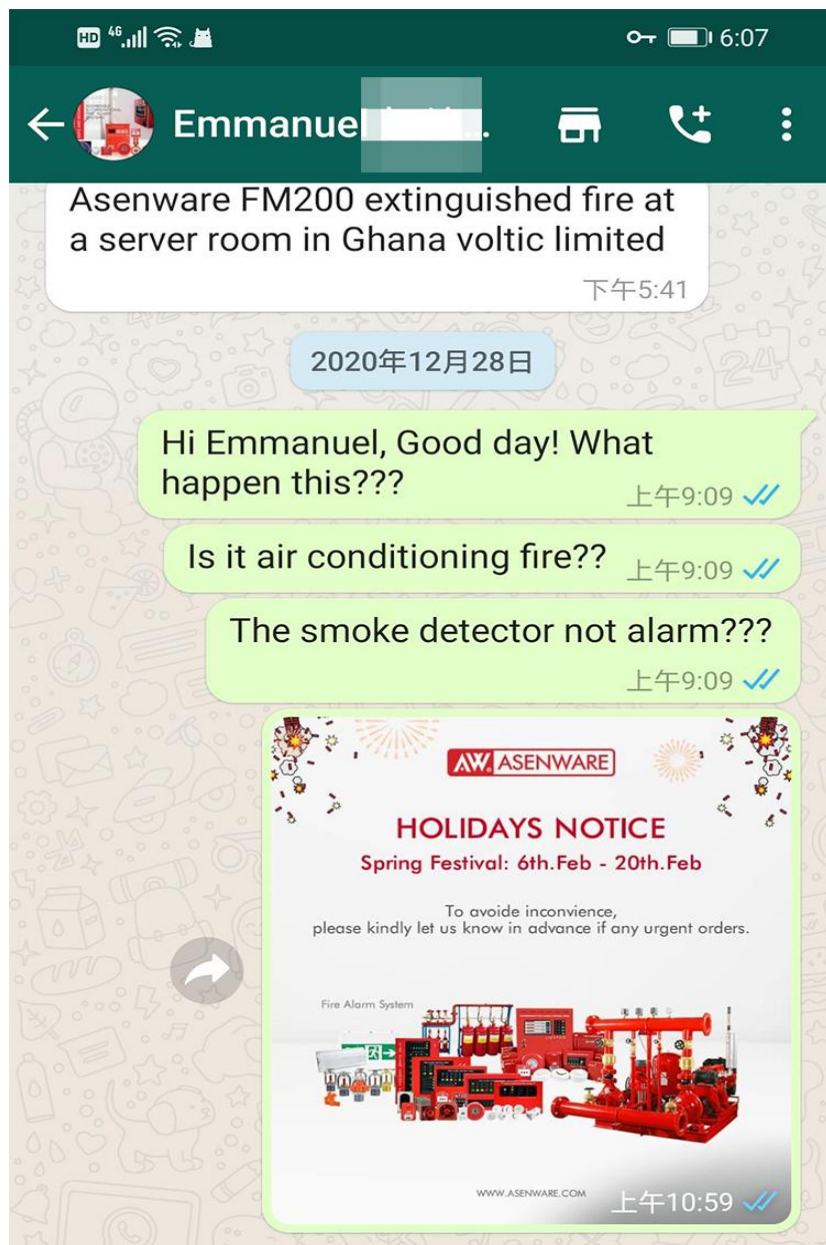# Gas Fire Suppression System

CE

AW ASENWARE | Guta

Network Type

Cabinet Type

Asenware FM200 extinguished fire at a server room in Ghana voltic limited
下午5:41

2020年12月28日

Hi Emmanuel, Good day! What happen this???
上午9:09

Is it air conditioning fire??
上午9:09

The smoke detector not alarm???
上午9:09

HOLIDAYS NOTICE
Spring Festival: 6th.Feb - 20th.Feb

To avoide inconvience,
please kindly let us know in advance if any urgent orders.

Fire Alarm System

WWW.ASENWARE.COM
上午10:59

您
Hi Emmanuel, Good day! What happen this???

The stand alone FM200 worked perfectly to extinguished the fire from the air conditioning
中午12:30

perfectly to extinguished

Cabinet Type Gas Fire Extinguishing Equipment

FM200 (HFC-227ea) Gas Storage Pressure: 2.5MPa
中午12:30

中午12:30

输入消息

FM200 Fire Suppression System CE

Hanging Type

Tube Type

Fixed Temperature Hanging Type

Electric Hanging Type
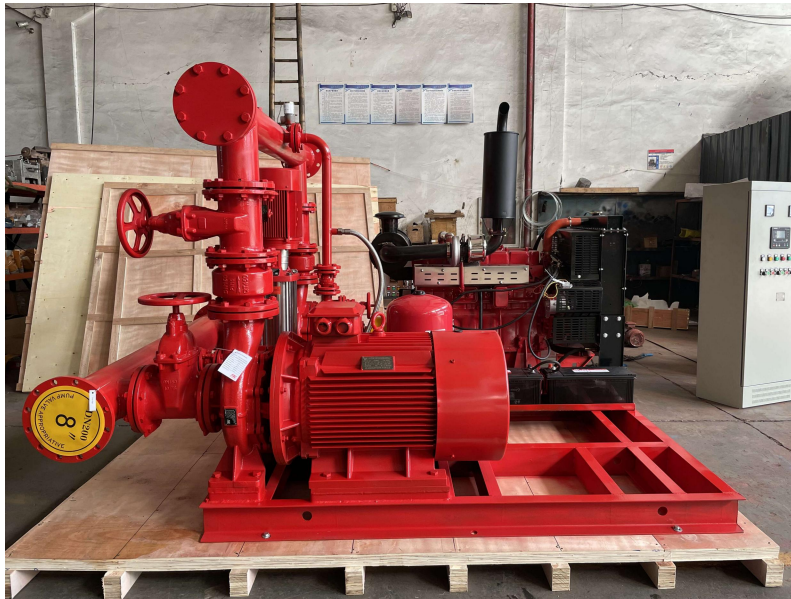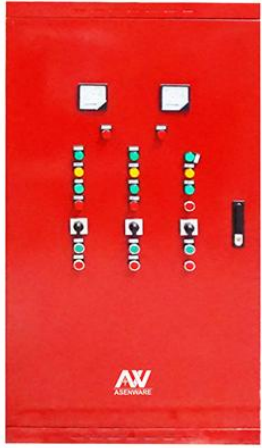
Wet Alarm Valve

Deluge Alarm Valve

Pre-action Alarm Valve

Gate Valve

Butterfly Valve

Pressure Reducing Valve

2 Way Fire Hydrant

3 Way Fire Hydrant

Flange Type Landing Valve

Thread Type Landing Valve

2 Way Breeching Inlet

4 Way Breeching Inlet

Y-strainer

Main Relief Valve

Flow Indicator

Flow Meter

Seamless Galvanized Steel Pipe

Pipe Fittings

Horizontal Type

Vertical Type

Foam Monitor

Foam Chamber

ASENWARE GUTA

FIRE HOSE

- High burst pressure
- Good flexibility and light weight
- High elasticity
- Thin and smooth PVC inner
- Extreme low friction loss
- Temperature range from 140F to 131 F (-10°C to 55°C)

British Type

Durable PVC Hose

Hose Rack

Angle Hose Valve

Hose Nozzle

Hose Adapter

American Type

German Type

Fire Hose Cabinet

CE

AW ASENWARE

Guta

Tempered Glass Type

Stainless Steel Type

Box Package

Plastic Package

Applicable scene

Hospital

Supermarket

Building

Office building

Factory

School
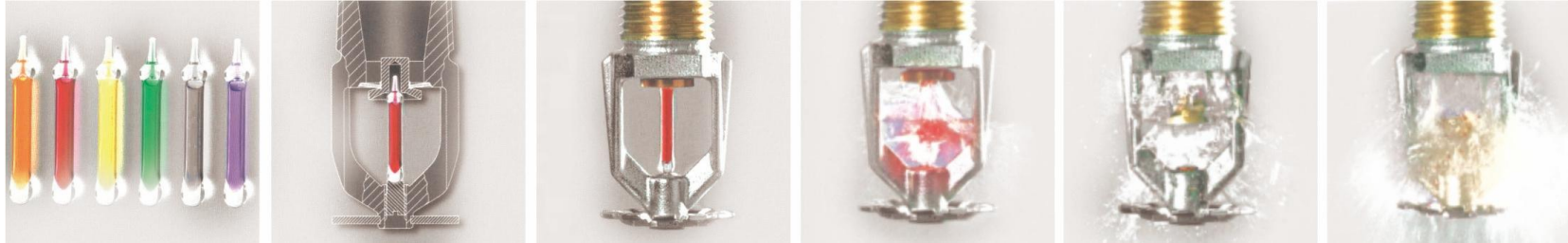
Fire Sprinklers

06
PART SIX

Comprehensive Services

ASENWARE provides professional team supports and customized services.
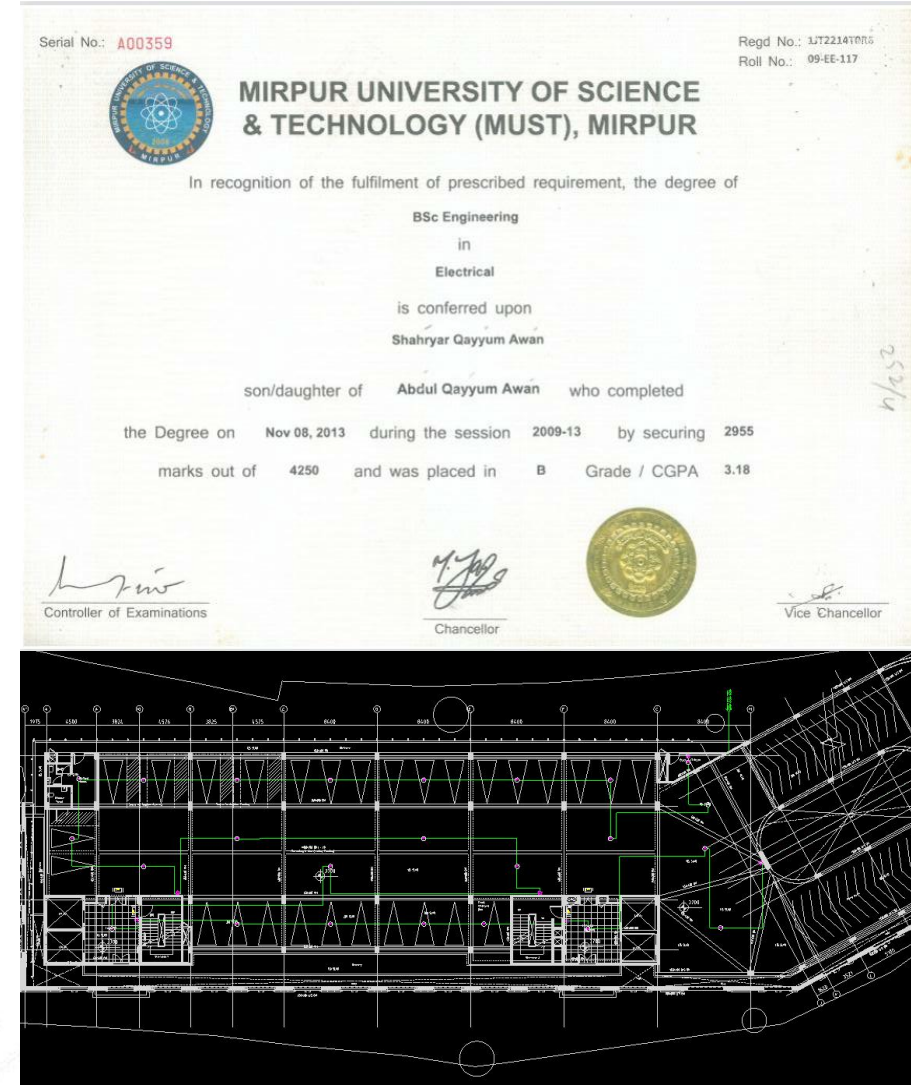
3 / **Strong After-sales Team**
24-hour online free technical services, training, guiding videos, on-site project guidance etc.

Media Account

YouTube

Website

TikTok

YouTube_ASENWARE

TikTok_ASENWARE

Facebook_ASENWARE LTD

LinkedIn_ASENWARE FIRE SAFETY

ASENWARE LTD

Thanks for watching

www.asenware.com
www.asenwarefire.com