

UNIQUE FIRE INDUSTRY

PRODUCT CATALOGUE



ADDRESS

No. 9, Jalan Anggerik Mokara 31/55,
Kota Kemuning, Seksyen 31, 40460,
Shah Alam, Selangor, Malaysia

CONTACT

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E: enquiries@uniquefire.com
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SCAN ME



INTRODUCTION

Unique Fire Industry is an ISO certified, multiple award-winning fire equipment company that has a passion to see that every home and workplace is adequately protected against fire hazards. Our experience in the fire-fighting industry since 1975 gives us an edge when it comes to advising what fire suppression systems and equipment work best for your property.



ABOUT US

MISSION

OUR CUSTOMER

We commit to market a range of quality fire protection products, solutions and services to meet the diverse needs of our customers.

OUR PEOPLE

We learn and grow together with our employees through understanding, educating and communication to foster an enjoyable working environment..

VISION

OUR CUSTOMER

To protect lives and properties as a preferred brand that is recognized by the public.

OUR PEOPLE

To generate leaders that believe employees are the most important asset to the company.

1997

Unique Fire owes its humble beginnings to the energy and drive of one man, Mr Liew Sen Hoi, the founder and Managing Director of the Group. The company was incorporated in **1997** and began as a distributor of fire protection equipment.

2008

Our second factory was built in Kota Kemuning, Shah Alam. This factory assembled Unique Fire's complete line of dry chemical portable fire extinguishers, in strict adherence to high quality assurance levels so as to meet our customers' demands.

2013

We took a quantum leap forward with the completion of our current office, factory and warehouse in Kota Kemuning, Shah Alam. This premise provided us with the space to expand our product range and continue growing our business.

NOW

As of **2022**, we are proudly listed on the ACE Market of Bursa Malaysia.

UNIQUE227 FIRE SUPPRESSION SYSTEM

The clean agent fire suppression system and its components are agency tested for total flooding applications and should be used in accordance with the guidelines contained in National Fire Protection Association (NFPA) 2001 : Standard on Clean Agent Fire Extinguishing Systems.

The clean agent fire suppression systems are safe for people, electrically non-conductive, non-corrosive, free of residue and have zero ozone depletion potential (ODP) to the environment.



UNIQUE227 FIRE SUPPRESSION SYSTEM



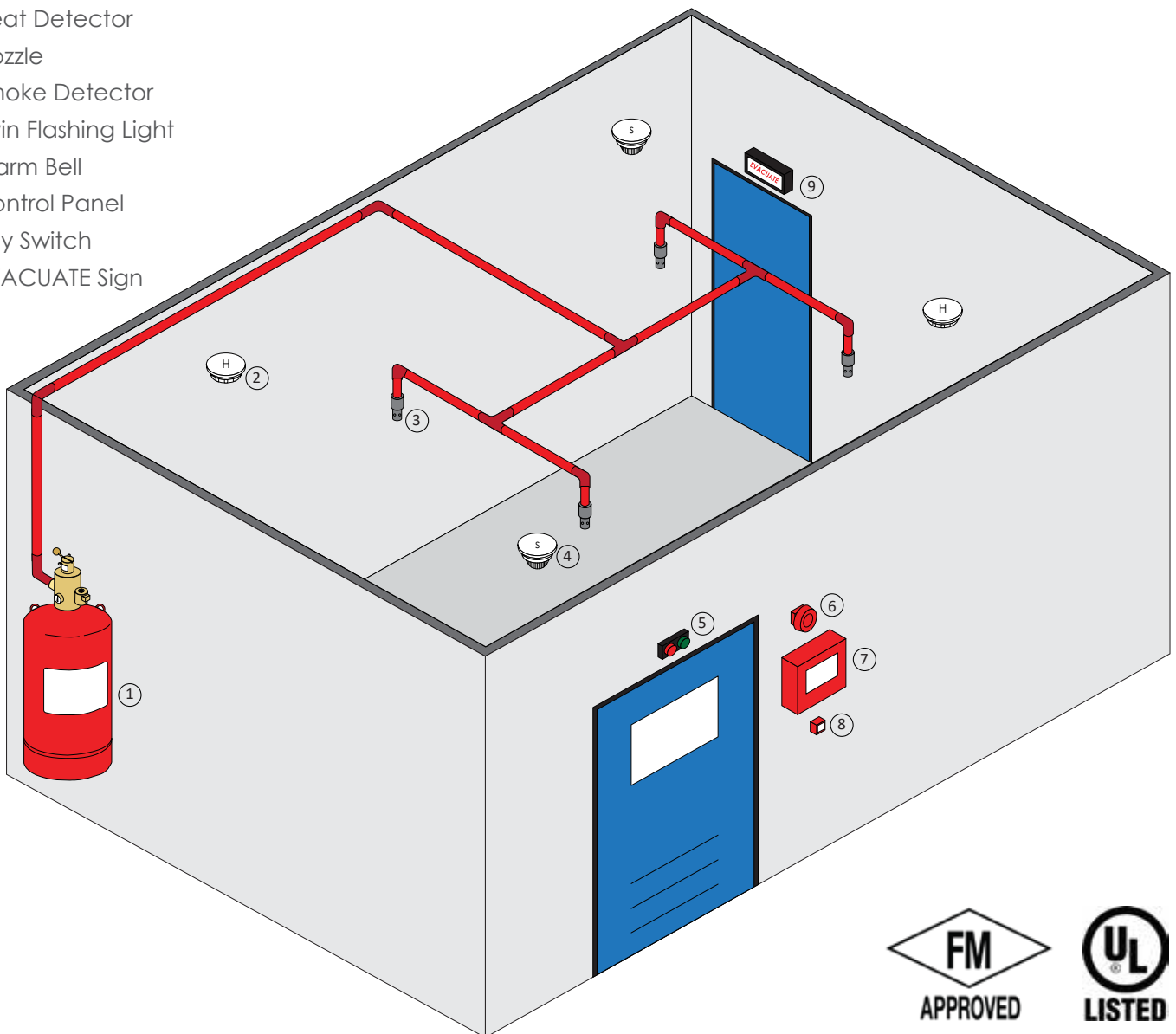
Unique227 Fire Suppression systems are agency tested for total flooding applications and should be used in accordance with the guidelines contained in NFPA 2001. The design of such a system requires that the Unique227 chemical agent to be discharged from its container within 10 seconds and be thoroughly mixed throughout the protected volume, reaching a minimum concentration level of 7%.

UNIQUE227 Fire Suppression System Features

- Safe for people
- Safe for environment
- Leaves no residue after discharge

UNIQUE227 System Typical Arrangement

1. Cylinder and Valve Assembly
2. Heat Detector
3. Nozzle
4. Smoke Detector
5. Twin Flashing Light
6. Alarm Bell
7. Control Panel
8. Key Switch
9. EVACUATE Sign



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UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

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UNIQUE227 FIRE SUPPRESSION SYSTEM



DESCRIPTION

Unique 227 is a trademark of Unique's HFC-227ea, Heptafluoropropane. Unique 227 is an effective fire extinguishing agent that can be used on many types of fires ranging from sensitive electrical equipment to industrial applications using flammable liquids.

Unique 227 is ideal for applications where clean-up of other medium presents a problem, where an electrically non-conductive medium is needed and where people compatibility is an overriding factor. When environmental impact becomes a consideration, Unique 227 is particularly useful. It has Zero ozone-depleting potential, low global warming potential and short atmospheric lifetime. These characteristics make it suitable not only for new installations using Unique's total flooding system, but also for Halon 1301 replacement applications. Unique 227 is an odorless, colorless liquefied compressed gas. It is stored as a liquid and dispensed into the hazard as a colorless, electrically non-conductive vapor that is clear and does not obscure physical vision. It leaves no residue and has acceptable toxicity for use in occupied spaces at design concentration. Unique 227 extinguishes a fire by a combination of chemical and physical mechanisms. Unique 227 does not displace and therefore is safe for use in occupied spaces without fear of oxygen deprivation.

TECHNICAL DATA	
PHYSICAL AND CHEMICAL CHARACTERISTICS	
Chemical Name	Heptafluoropropane (CF ₃ CHFCF ₃)
General	Colorless, Odorless Liquefied Gas
Molecular Weight	170.03
Boiling Point	-16.4°C/2.48°F
Freezing Point	-131°C/-203.8°F
Vapor Pressure@21°C/70°F	58.8 psia
Critical Temperature	101.7°C/215.1°F
Critical Pressure(psia)	422.3 psia
Vapor Density(AIR=1)	6.04
Water Reactive	No
Specific Gravity(H₂O=1)	1.46
Percent Volatile(by volume)	n/a
Evaporation Rate(Butyl acetate=1)	n/a
Viscosity@ 20°C/68°F	n/a
Water Solubility(V/V@20°C/68°F)	260mg/L
Ozone Depletion Potential	0
Estimated Atmospheric Lifetime(years)	31-42

Unique 227 fully complies with the standards of ASTM D6064 and NFPA 2001 and has achieved a minimum purity of 99.95 percent and less than 10 ppm of moisture. It has less than 1 ppm acidity as HF. The non-volatile residue is less than 0.05g/100ml.



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UNIQUE227 FIRE SUPPRESSION SYSTEM

Clean Agent Cylinders



TECHNICAL DATA							
Model No.	Cylinder Size	Valve Size	Dimension			Max Fill	Min Fill
			A	B	C		
UFI 90020-E*	20 lb	1"	10.750"	13.632"	18.633"	20 lb	9 lb
UFI 90035-E*	35 lb	1"	10.750"	18.677"	23.678"	35 lb	16 lb
UFI 90070-E*	70 lb	1"	10.750"	28.166"	33.167"	71 lb	31 lb
UFI 90100-F*	100 lb	1"	12.795"	26.709"	31.709"	100 lb	44 lb
UFI 90150-E*	150 lb	1-1/2"	12.795"	37.343"	43.172"	152 lb	66 lb
UFI 90250-E*	250 lb	1-1/2"	16.000"	40.099"	45.928"	253 lb	109 lb
UFI 90375-E*	375 lb	2-1/2"	16.000"	57.248"	65.351"	379 lb	163 lb
UFI 90560-E*	560 lb	2-1/2"	20.000"	55.516"	63.619"	561 lb	241 lb
UFI 90650-F*	650 lb	3"	20.000"	63.335"	71.438"	665 lb	285 lb

Note : Clean agent cylinders with stainless steel bodies and valves are available.
* add "-SS" when using Stainless Steel Valve



TECHNICAL DATA							
Model No.	Cylinder Size	Valve Size	Dimension			Max Fill	Min Fill
			A	B	C		
UFI 90800-E	800 lb	4"	30.000"	46.680"	57.254"	840 lb	360 lb
UFI 90800-F	800 lb	3"	30.000"	46.680"	53.710"	840 lb	360 lb
UFI 91000-E	1000 lb	4"	30.000"	54.767"	64.617"	1038 lb	445 lb
UFI 91000-F	1000 lb	3"	30.000"	54.570"	61.600"	1038 lb	445 lb
UFI 91200-E	1200 lb	4"	30.000"	62.135"	71.985"	1211 lb	519 lb

Note : Clean agent cylinders with stainless steel bodies and valves are available.

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UNIQUE227 FIRE SUPPRESSION SYSTEM

Cylinder Bracket



TECHNICAL DATA

Model No.	Description	Cylinder O.D	Mounting
UFI 50139	20, 35 & 70 lb Cylinder Bracket	10.75"	Wall
UFI 60780	100 & 150 lb Cylinder Bracket	12.80"	Wall
UFI 60760	250 & 375 lb Cylinder Bracket	16.00"	Wall
UFI 60770	560 & 650 lb Cylinder Bracket	20.00"	Wall
UFI 60790	800, 1000 & 1200 lb Cylinder Bracket	30.00"	Wall
UFI 60792	800, 1000 & 1200 lb Cylinder Bracket	30.00"	Floor

Discharge Nozzle



TECHNICAL DATA

Model No.	Description	Model No.	Description
UFI 60704-2	½" (180°) Sidewall	UFI 60707-2	1 ¼" (180°) Sidewall
UFI 60704-3	½" (360°) Central	UFI 60707-3	1 ¼" (360°) Central
UFI 60705-2	¾" (180°) Sidewall	UFI 60708-2	1 ½" (180°) Sidewall
UFI 60705-3	¾" (360°) Central	UFI 60708-3	1 ½" (360°) Central
UFI 60706-2	1" (180°) Sidewall	UFI 60709-2	2" (180°) Sidewall
UFI 60706-3	1" (360°) Central	UFI 60709-3	2" (360°) Central

Note: Aluminium Material: UFI 6070*; Brass Material: UFI 7070*; SS Material: UFI 8070*;

Local Manual Control (Plunge Type)



Model Number : UFI 61033-2

The Local Manual Control Plunger Type features a local lever driven push rod that depresses a schrader check valve through the latching solenoid when fitted onto the top of the solenoid, thereby venting the pressure from the top of the piston in the cylinder valve, allowing the piston to slide upward and commence cylinder discharge

- Use for manual actuation of cylinder
- Equipped with safety pull pin to prevent accidental discharge
- Solid brass construction
- Stainless steel operation lock-pin

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UNIQUE227 FIRE SUPPRESSION SYSTEM

Latching Solenoid



DESCRIPTION

Latching Solenoid is utilized to open a Schrader valve on the top fitting connector of the cylinder valve. The application gives an answer to a quick reaction and a high latching power to be utilized with the UNIQUE Fire Extinguishing Liquid Agent. It was resolved that a latching solenoid with a discretionary nearby manual control head is the best answer for the application.

The actuator is held in the latching position without power until a flag from the operator discharge control board removes the permanent magnet. Whenever discharge, the latching solenoid opens the cylinder valve enabling the quenching medium to release from the cylinder into the system. The latching solenoid is designed with an emergency release local manual control to manually force the pin to depress the cylinder valve to release the extinguishing medium when needed. In order to reset the system, the solenoid is to be manually returned to the latched position. This custom latching solenoid designed specifically for fire protection systems is UL listed and tested in accordance with UL508.

Features

- High latching forces
- Fast response
- Options
 - Manual release button cap
 - Reset tool
- UL approval-recognized to UL864
- Tested in accordance with UL508

Specification

- Manual actuation force : 12-40lb *f* (5.44 – 18kgf) max
- Operating force : 20.25 – 14.6lb*f* (90 – 65 N) min
- Power requirement : 24 VDC
- Current : 0.5A @ 24 VDC
- Electrical Connection : DIN 43 650-A / ISO 440 3 pin
- Operating Temperature Range : -4 to 131°F (-20 to **55°C**)
- Weight : 1.9lbs (.86kg)
- Dimensions
 - Body Diameter : 1.61 in (41 mm)



TECHNICAL DATA

Model No.	Description	Electrical Rating
UFI 50026-A	Latching Solenoid	24 VDC
Length	4.17 or 5.9 in (106 or 150 mm) with manual actuation cap	

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UNIQUE227 FIRE SUPPRESSION SYSTEM

Context Plus EP203/CON



Quality System Certificate No: 176
Assessed to ISO9001 : 2008



LPCB Ref. 176a
to BS EN 54 pts 2 & 4

TECHNICAL SPECIFICATION

Power Supply Specification	
Part No.	UFI227-ARCP
Main supply voltage	230 Vac , 50/60 Hz
Internal power supply	24 Vdc nominal
Max. output current	3A @ 230 Vac
Power rating (including charging)	1.5A cont, 3A peak
Detector Circuit Specification	
Number of conventional circuits	3 @ 21-28 Vdc
Max. no. of smoke/heat detectors per circuit	20
Max. combined no. of detectors & manual call points per circuit	32
Sounder Circuit Specification	
Number of conventional circuits	3 (two x 1st stage, one x 2nd stage)
Max. number of polarised sounder per circuit	10 @ 20mA each
Dimension	
Front Cover	467mm(W) x 293mm(H) x 100mm(D)
Back Cover	439mm(W) x 276mm(H) x 70mm (D)
Material of Case	Metal

*Applicable for Unique 227 Fire Suppression System

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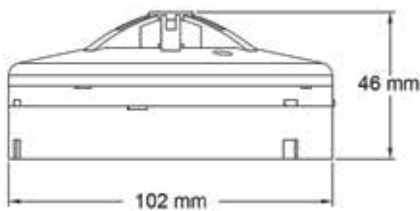
UNIQUE227 FIRE SUPPRESSION SYSTEM



UNIQUE AH-0626 Heat Detector



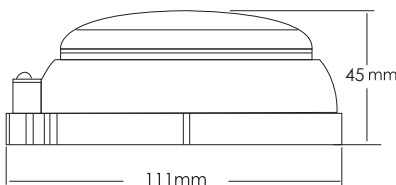
CONFIRMING TO
BS: 6391 TYPE 3



TECHNICAL DATA			
Model	AH-0626-2	AH-0626-3	AH-0626-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @ 125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @ 24V DC 470Ω	40mA	40mA	45mA
Standby Current @ 24 V DC 470Ω	20 ~ 70μA		
Thermal Setting	60°C		
Ambient Temperature	0°C ~ +37.8°C		
Material	Fire-proof plastic		
Dimensions	102mm (Dia.) x 46mm(H)		
Weight	120g	120g	130g
Color	White		
Order information			
AH-0626-2	2-wire		
AH-0626-3	3-wire with remote indicator input		
AH-0626-4	4-wire with relay output		
Effective alert area			
Construction/ Height	Under 4m	4m~ 8m	
Fire-proof Building	90 m ²	45 m ²	
Ordinary Building	50 m ²	30 m ²	

*Applicable for Unique 227 Fire Suppression System

UNIQUE AH-0333 Heat Detector



TECHNICAL DATA	
Model No.	AH-0333
Part No.	FAE-H0333
Description	2 Wire
Alarm Current @ 24V DC 470 Ω	40mA
Operating Temperature Range	0°C to 55°C
Operating Humidity Range	10% to 93% Relative Humidity
Voltage Range	12V-30V DC
Sensitivity Setting	Rise rapidly in 30°C / per 30sec.
Material	Plastic
Size	Ø111mm x 45mm (H)
Weight	130g
Colour	White
EFFECTIVE ALERT AREA	
Construction/ Height	Under 4M 4M~ 8M
Fire-proof Building	90m ² 45m ²
Ordinary Building	50m ² 30m ²

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

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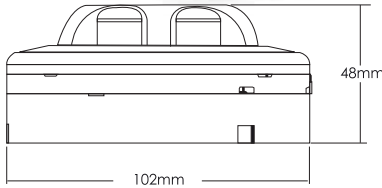
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UNIQUE227 FIRE SUPPRESSION SYSTEM



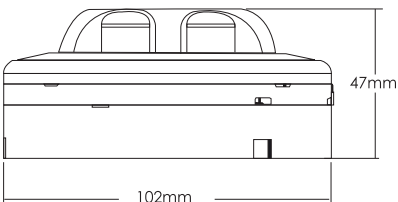
UNIQUE AH-0621 Photoelectric Smoke Detector



Specifications			
Part No.	FAE-P0621	FAE-P0621-3	FAE-P0621-4
Model No.	AH-0621-2	AH-0621-3	AH-0621-4
Alarm Contact	N/A	N/A	0.8A@30V DC 0.4A@125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @ 24V DC 470Ω	50mA	59mA	45mA
Standby Current @ 24 V DC 470Ω	140µA		25 – 75 µA
Sensitivity Setting	1.4% / ft ~ 2.4% / ft		
Ambient Temperature	0°C ~ +37.8°C		
Material	Plastic		
Dimensions	102mm (Dia.) x 48mm(H)		
Weight	130g	130g	145g
Color	White		
Order information			
AH-0621-2	2-wire		
AH-0621-3	3-wire with remote indicator input		
AH-0621-4	4-wire with relay output		
Effective alert area			
Building Height	Under 4m	4m to 20m	
Area Covered	150 m ²	75 m ²	

*Applicable for Unique 227 Fire Suppression System

UNIQUE AH-0711 Photoelectric Smoke Detector



TECHNICAL DATA	
Model No.	AH-0711
Part No.	FAE-P0711
Description	2 Wire
Alarm Current @ 24V DC 470 Ω	40mA
Operating Temperature Range	-10°C to 55°C
Operating Humidity Range	10% to 93% Relative Humidity
Voltage Range	12V-30V DC
Standby Current @ 24V DC 470 Ω	25 - 75 µA
Sensitivity Setting	15% obs/m
Material	Plastic
Size	Ø102mm x 50mm (H)
Weight	130g
Colour	White
EFFECTIVE ALERT AREA	
Building Height	Under 4m 4m to 20m
Area Covered	150m ² 75m ²

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

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UNIQUE227 FIRE SUPPRESSION SYSTEM



DEMCO Dome Bell



DEMCO Motorized Bell



UNIQUE Fire Alarm Bell



Decibel Ratings / Specification				
Model	Size	Part no.	Decibel Rating @ 3M (10ft)	Gross Weight
D-122-6	6"	FAD-6DB-UL	95dB	700g
Available Models				
Model	Size	Type	Voltage	
D-122-6	6"	Motorized	24V DC	
Current Consumption				
Operating Current		0.05 A		

TECHNICAL DATA				
Model no.	DC Type	Decibel Rating @ 1m (3ft)		
	Voltage	Amps	150mm (6")	200mm (8")
D132	12	0.05	95 dB	95 dB
	24	0.03	95 dB	103 dB
	Net / Gross Weight		748 / 812g	1130 / 1280g

TECHNICAL DATA				
Model No.		UNI-102		
Part No.		FAE-6AB		
Supply Voltage		110/ 240V (AC)		
		12/24V (DC)		
Sound Output		92 - 105 dB		
Current Consumption		0.05 A		
Size		150mm(6")		
Finishing		Red		
DECIBEL SPECIFICATION				
AC Type		Decibel Rating @ 1m (3ft)		
Voltage	Amps	100mm(4")	150mm (6")	200mm (8")
110	0.015	92dB	95dB	97dB
240	0.033	98dB	105dB	106dB
DC Type		Decibel Rating @ 1m (3ft)		
12	0.08	95dB	99dB	100dB
24	0.05	96dB	103dB	105dB

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UNIQUE227 FIRE SUPPRESSION SYSTEM

GP Sealed Lead Acid Battery



TECHNICAL DATA			
Part No.	GPP1272	GPP12120	GPP12170
Model No.	BAT-007AH-GP	BAT-012AH-GP	BAT-017AH-GP
Nominal Voltage (V)	12	12	12
Capacity (AH)	7.2	12.0	17.0
Length (mm)	151	151	181
Width (mm)	65	98	77
Height (mm)	94	95	167
Total Height (mm)	100	101	167
Weight (kg)	2.35	3.70	5.50

UNIQUE Twin Flashing Lights



TECHNICAL DATA	
Model No.	UNI-104 WP/L
Part No.	FAE-FLO-LED
Lens	High efficient prismatic polycarbonate lens optimized for omnidirectional viewing.
Luminary	Filament Bulb/Ultra Bright LED
Size	210mm(W) x 77mm(D) x 108mm(H)
Material (Casing & Hood)	Mild Steel
Finishing	Black casing with green and red lens
Operating Current	0.02A

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

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UNIQUE227 FIRE SUPPRESSION SYSTEM

Evacuate Sign



TECHNICAL DATA	
Model No.	UNI-110L
Part No.	FAE-ES
Dimension	260 (L) x 110 (H) x 80 (W) mm
Lens Colour	Red
Casing Colour	Black
Lens Material	Polycarbonate
Casing Material	Mild Steel
Operating Voltage	24V DC
Operating Current	0.03A

*Applicable for Unique 227 Fire Suppression System

UNIQUE Manual Key Switch



TECHNICAL DATA	
Model No.	UNI-105
Part No.	FAE-KS
Size	105mm(W) x 105mm(D) x 100mm(H)
Material	ABS Plastic
Weight	0.76kg
Colour	Signal Red

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UNIQUE227 FIRE SUPPRESSION SYSTEM

Power Line Surge Protector



TECHNICAL DATA	
Model No.	240-5A-PKT10
Part No.	UF1227SP-S.FILTER
Location Category	Indoor, Boundary LPZ1 – LPZ2
Standard Compliance	IEC 61643-1 Class III, AS / NZS 1768, IEEE C62.41, IEC 6-1000-4-5, UL1449 3rd Edition
Number Of Ports	1
Method Of Mounting	Fixed (DIN 35mm Railway)
Maximum Continuous Operating Voltage (U_c)	300V
Nominal Continuous Operating Voltage (U_n)	240V
Maximum Discharge Current (I_{max})(8/20 μ s)	10kA
Nominal Discharge Current (I_n)(8/20 μ s)	3kA
Rated load current (I_l)	5A
Protection Level (U_p)	<600V
Mode of protection	L-L, L-E, L-N & N-E
IP Code	IP20
Dimensions	92mmx17mmx62mm
Working environments	Temperature -40°C to +70°C, Relative Humidity \leq 95%
Cable size	0.75 – 2.5mm ²

*Applicable for Unique 227 Fire Suppression System



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UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

ADDRESS

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UNIQUE227 FIRE SUPPRESSION SYSTEM

Signal Line Surge Protector



TECHNICAL DATA	
Model No.	SP1-24PKT-DC
Part No.	UFI227SP-S.LINE
Standard Compliance	5kV (10/700 μ s) to International Telecommunication Union (ITU-T K.20, K.21 and K.45)
Maximum Operating Voltage, U_c	32Vdc
Nominal Voltage, U_n	42Vdc
Maximum discharge current, I_{max} (8/20 μ s)	10kA
Nominal discharge current, I_n (8/20 μ s)	5kA
Load Current, I_L	2A
Voltage protection level, U_p (10/700 μ s, 5kV)	<48Vdc
In-line resistance (per line \pm 10%)	<1.0 Ω
Response time, t_A	\leq 1ns
Frequency (at -3dB)	20MHz
Insertion loss	\leq 0.5dB
Protection Mode	Line-Line and Line-PE
Method of mounting	DIN 35mm railway
IP code	IP20
Dimensions	90mm x 65mm x 13mm :Pluggable
Working environments	Temperature -20°C - +80°C, Relative humidity \leq 95%

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Room Integrity Test

Enclosure Integrity Test

Now, the NFPA 2001, NFPA 12A, ISO 14520 and EN 15004 recognize an enclosure integrity test as part of the acceptance procedure for all clean agent systems. This includes halocarbon and inert agents. The comprehensive test and calculation procedure predicts how long the agent would stay in the room if it were ever discharged.

The Enclosure Integrity Test's primary goal is to predict the enclosure's retention time in the event that the Clean Agent Fire Suppression System is discharged. This is accomplished by performing a Door-Fan test.



What is a Door Fan Test ?

Door Fan Test, also known as a Room Integrity Fan Test, is simply a way to measure the leakage of a protected room. A large fan is temporarily installed in the doorway of the protected room to be tested, with the fan blowing into the room (pressurizing the room). The fan speed is adjusted to obtain flow pressure equivalent to the pressure exerted during a fire suppression system discharge. The fan is then reversed on the door to draw air from the room (depressurizing the room). The airflow and pressure readings obtained are entered into a computer program designed to calculate the equivalent leakage area (ELA) for the room. Then, the software will calculate the retention time and determine whether it exceeds the minimum retention time of 10 minutes.

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UNIQUE227 FIRE SUPPRESSION SYSTEM

Liquid Level Indicator (Optional Components)



DESCRIPTION

The liquid level indicator is a simple, manually operated device, which provides a means to determine the Clean Agent liquid level in vertically mounted agent storage containers. Once the liquid level is determined, it can then be converted into the weight of Clean Agent present in the agent storage container.

OPERATION

A magnet equipped float moves with the liquid level along the unit stem. Level readout is obtained by simply removing the protective cap and pulling out a calibrated tape until magnetic interlock with the float is felt. With the tape in this position, the reading is obtained at the point where the tape emerges from the unit housing.

When the liquid level is determined, the reading is then referred to a chart in the Engineering Manual and the corresponding weight of Clean Agent is determined. Accurate readings can be obtained over a +40F to +90F temperature range.

FEATURES

- Reduced maintenance time — weight in an agent storage container can be determined in a fraction of the time it would take to remove and weigh them.
- Continuous fire protection — use of the liquid level indicator does not require taking out the cylinder from the system, thus providing uninterrupted fire protection.
- Field installation capability — the indicator can easily be installed in the field using a single wrench as long as the container is empty and is equipped with a mounting boss.
- Compact — when not in use, the unit requires no more space than that required by the container.
- Flexibility — the flexible tape design allows the unit to be used in tight spaces that would otherwise hinder the use of a rigid type indicator "stick".
- Availability — units are available for all Unique containers from sizes of



Model Number	Description
UFI 60020	Liquid Level Indicator for 150 LB & 250 LB cylinders
UFI 60020-1	Liquid Level Indicator for 375 LB & 560 LB cylinders
UFI 60020-5	Liquid Level Indicator for 650 LB cylinders
UFI 60020-4	Liquid Level Indicator for 800 LB cylinders
UFI 60020-3	Liquid Level Indicator for 1000 LB cylinders
UFI 60020-2	Liquid Level Indicator for 1200 LB cylinders

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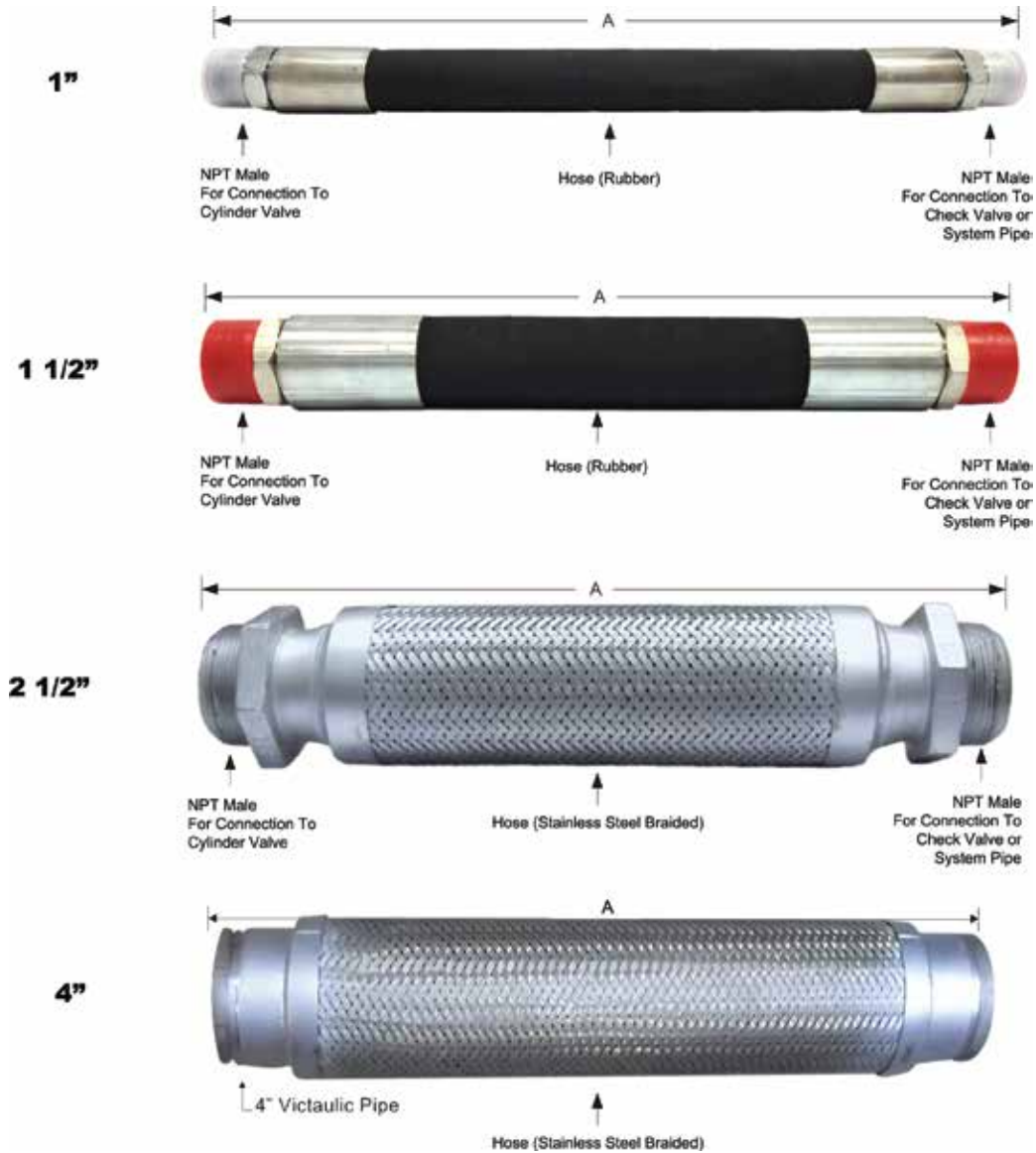
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UNIQUE227 FIRE SUPPRESSION SYSTEM

Flexible Hoses (Optional Components)



TECHNICAL DATA

Model No.	Diameter	A	Material
UFI 60255	1"	18"	Rubber
UFI 60256	1-1/2"	18"	Rubber
UFI 60257	2-1/2"	18"	Stainless Steel Braided
UFI 91230-C	3"	18"	Stainless Steel Braided
UFI 91230	4"	18"	Stainless Steel Braided



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Pressure Supervisory Switch (Optional Components)



TECHNICAL DATA		
Model No.	Description	Operation
UFI 50138-1	360psi	Normally Closed
UFI 50138-2	360psi	Normally Open

Pressure Gauge Guard (Optional Components)



TECHNICAL DATA		
Model No.	Size (NPT)	Material
UFI 70198-3	1/4"	Brass

Shuttle Valve



TECHNICAL DATA	
Part No.	Description
UFI 50123	1" Shuttle Valve
UFI 60619	1-1/2" Shuttle Valve



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Pressure Supervisory Switch Guard (Optional Components)



TECHNICAL DATA		
Model No.	Size (NPT)	Material
UFI 70215-2	1/4"	Brass

Check Valve (Optional Components)



4"



1", 1-1/2", 2-1/2"

TECHNICAL DATA		
Model No.	Description	Valve Size
UFI 60261	Check Valve	1"
UFI 60262	Check Valve	1-1/2"
UFI 60263	Check Valve	2-1/2"
UFI 91231-3	Check Valve	3"

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UNIQUE227 FIRE SUPPRESSION SYSTEM



Kentec Sigma A-CP Conventional Control Panel (Optional Components)



TECHNICAL DATA	
Model No.	K1842-11
Construction	1.2mm mild sheet steel
IP Rating	IP30
Finish	Epoxy powder coated
Colour - lid & box	Red RAL 3002 (optional grey BS 00 A 05 semi-matt)
Supply Voltage	115V AC or 230V AC
Mains Supply Fuse	3 Amp 250V 20mm SB
Power Supply DC Rating	24V 6.5 Amps
Maximum Battery Size	12Ah 12V (2 per panel)
Trouble Contact Rating	30V DC 1 Amp
Supervisory Contact Rating	30V DC 1 Amp
Fire Contact Rating	30V DC 1 Amp
NAC Rating	2A per circuit 4A Total
Detection Zone Current	1.6 milliamps
Detection Zone EOL Resistor	6k8 5%
NAC EOL resistor	10k 5%
Cable Capacity	12 AWG
Operating Temperature	-5°C to 50°C
Operating humidity	<95% (non condensing)

*Applicable for Unique 227 Fire Suppression System

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UNIQUE227 FIRE SUPPRESSION SYSTEM



Kentec Sigma A-XT Extinguishant Control Panel (Optional Components)



TECHNICAL DATA	
Model No.	K1810-13
Construction	1.2mm mild sheet steel
IP Rating	IP30
Finish	Epoxy powder coated
Colour - lid & box	Red RAL 3002 (optional grey BS 00 A 05 semi-matt)
Mains Supply	230V AC or 115V AC
Mains Supply Fuse	1.6 Amp (F1.6A L250V)
Power Supply Rating	3 Amps total including battery charge 28V +/- 2V
Maximum Ripple Current	200 millivolts
Battery Type (Yuasa NP)	Two 12 Volt 7Ah sealed lead acid in series
Battery Charge Voltage	27.6VDC nominal (temperature compensated)
Battery Charge Current	0.7A maximum
Battery Fuse	20mm, 3.15A glass
Maximum Current Draw from Batteries	3 Amps
Quiescent Current of Panel In Mains Fail	0.095A
ROV Output	Fused at 500mA with electronic fuse
Sounder Outputs	24V Fused at 500mA with electronic fuse
Fault Relay Contact Rating	30VDC 1A Amp maximum
Fire Relay Contact Rating	30VDC 1A Amp maximum
Local Fire Relay Contact Rating	30VDC 1A Amp maximum
First Stage Contact Rating	30VDC 1A Amp maximum
Second Stage Contact Rating	30VDC 1A Amp maximum
Extract Contact Rating	30VDC 1A Amp maximum
Zone Quiescent Current	2mA maximum
Terminal Capacity	12 AWG
Number of Detectors Per Zone	Dependent on type (maximum 32)

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UNIQUE227 FIRE SUPPRESSION SYSTEM

UNIQUE Fire Supression Panel



SIRIM

TECHNICAL DATA

Model No.	FSP-02
AC Input Voltage	240VAC \pm 10%, 50Hz
DC Output Voltage	22 – 26VDC
Standby Battery	24VDC Rechargeable SLA Type
Charger Output (Voltage / Current)	27.6VDC / 0.6A
Fuses	2A
Alarm Zone EOL Resistor	4.7k ohm, 1/4W, 5% Carbon
Bell / Tripping EOL Resistor	4.7k ohm, 1/4W, 5% Carbon
Bell / Tripping / Output	22 – 26VDC
System Standby Current	80mA
Input / Output Contacts	Normally Open Voltage Free
Chassis Colour / Material	Mild Steel Metal Casing Coated with Red Epoxy
Cabinet Dimension (W x H x D)	362 x 300 x 98mm (Indoor) 400 x 352 x 140mm (Outdoor)

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UNIQUE227 FIRE SUPPRESSION SYSTEM

Electronic Sounder Series 65db (Optional Components)

Description

DEMCO Electronic Sounder/Beacon D-155's compact design is acoustically very efficient, capable of generating high sound output (103 dBA) at low current levels (13mA at 24V DC). It also has a wide angle uniform sound distribution providing good audibility in all directions, thus making it ideal for fire, security and hazard warning. This conventional wall mount device is available in 4 tone versions with locally controllable output levels to enable the sound intensity to be adjusted to suit the application.

D-155 operates over a wide input voltage range of 8 to 35V DC, and is optimised for use at 12V and 24V systems. If required, the use of a third wire enables a second stage alarm to be switched to override the selected tone. These versatile features allow the model to work seamlessly with most detection systems incorporating central control equipment. Combining performance and functionality, DEMCO D-155 is designed to fully comply with EN 54 and meet protection rating of IP65.



TECHNICAL DATA		
Part No.	FAD-FBS-4T-D155	
D-155 (Sounder / Beacon)		
	Lowest	Highest
Output @ 1 metre 24VDC	68dB	95dB
Current @ 24VDC	13mA	22mA
Voltage Range	8 to 35VDC	
Operating Frequency	800Hz to 1000Hz	
Numbers of Tones	4	
Volume Control	Adjustment Screw	
Operating Temperatures	-20°C to +70°C	
Size (H x W x H)	107 x 95 x 99 mm	
Protection Classification	IP 65	
Approximate Weight	182g	

Demco Advantages

- Automatic sounder synchronization.
- High sound output, low current consumption.
- 4 On-board selectable tones.
- Adjustable volume control screw.
- ABS plastic body with polycarbonate Fresnel lens.
- High reliability and stable performance.
- High brightness LED.
- Fully EN54 compliance.
- Excellent value/price ratio.

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