

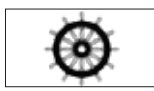


Luminous Associates

Total Solution of Fire Safety



PRODUCTS CATALOGUE





ABOUT US

LUMINOUS ASSOCIATES Stands as Country Benchmark for the Global Fire & Building Safety Industry. The Speciality of Luminous is Design, Supply, and Installation Fire and Building Systems are the Main Tasks. The Company **Luminous Associates** Represents is the Distributor of the Reputable Brand **EVERSAFE, AMPAC & BRISTOL** Organization. From the Beginning of Our Journey, We Increased its Efforts in the Field of Fire and Building Safety. Our Key Strength is Our Enthusiastic and Effective Engineering Team. Our Customer Service is Exceptional. Our Services are Rendered in Accordance With BNBC, NFPA, UL, VDS, British & EN Standard

SPECIALIZATION

Luminous Associates is Involved with People's and Industrials Safety, Security . Integrity is Our Guiding Principle While Offering Our Esteemed Clients the Best and Most Solid Solutions. We Firmly Think that Our Customers Should Received the Best Safety Solutions, and Protecting Their Industry and Property is What We Do Best. As We Work to Offer the Most Practical Solutions for Fire Protection and Safety, We Don't Want Our Customers to Become Confused in the Process. To Ensure that all of Our Technology is Updated & Operating Properly, We Make Sure that the skilled Engineers and Technicians in the Nation are Working Here at Luminous Associates Continuously

FIELD OF ACTIVITIES

- ▶ Fire Hydrant System
- ▶ Automatic Sprinkler System
- ▶ Automatic Fire Alarm System, Addressable & Conventional
- ▶ Automatic Gas Suppression System
- ▶ Fire Door & Accessories
- ▶ Fire Extinguisher, All Type
- ▶ Fire Partition, Fire Smoke & Curtain
- ▶ CCTV & PA System
- ▶ Design, Consultancy & Fire Safety Plan
- ▶ AMC – Annual Maintenance Contract

MEMBERSHIP

- ▶ National Fire Protection Association, USA, **NFPA**
- ▶ Dhaka Chamber of Commerce & Industry, **DCCI**
- ▶ Electronics Safety Security Association of Bangladesh, **ESSAB**
- ▶ Fire Fighting Equipment Business Owners Association of Bangladesh, **FEBOAB**
- ▶ Bangladesh Malaysia Chamber of Commerce and Industry, **BMCCI**
- ▶ Bangladesh Agricultural Machinery Merchants Association, **BAMMA**
- ▶ Bangladesh Electrical Association, **BEA**

LUMINOUS Constant Goal is to Continuously Strive for Excellence, Provide Customers with Superior Service and Put Their Needs First. We Promise, That Every Customer will Get The Best Products at the Best Rates, and that all of Our Products are Always in Stock and Ready to Supply. Consider Us Your Source for Fire and Safety Products, and We Kindly Invite Clients to Get in Touch with Us. Luminous Associates, is Ready to Provide Customers **"Total Solution to Fire Safety"**



FIRE CONTROL PANEL

FIREFINDER PLUS ADDRESSABLE

- Expandable 1-4 Loops
- Large Graphic Display
- 500mA Loop Current
- 4 Programmable Monitored Inputs
- 4 Programmable Monitored Outputs
- 5 Programmable Relays
- SmartView Graphic Interface
- Networkable
- UL (EU) Approved : S35967



Description

Ampac's FireFinder Plus is an Intelligent Analogue Addressable Fire Alarm Control Panel that complies with the requirements of EN 54-2 and EN 54-4.

Compatible with the Apollo range of XP95 and Discovery Detectors and Interfaces, the FireFinder Plus offers a reliable fire detection system that is suitable for applications, both small and large.

Available from 1 to 4 Loops, the control panel can be networked for larger systems and provides users with powerful and versatile cause and effect programming ensuring the safety of personnel and asset protection at all times.

Powerful and flexible programming is achievable with the ConfigManager Plus programming tool which includes many pre-engineered programming functions. Simple system programming is easily achieved via the front panel.

Specifications

Power Supply	5.6A
Input Voltage	195 - 264VAC
Output Current	5.6Amps
Charger Current	1.25A
Output Voltage:	27.5VDC +/- 0.1VDC
Battery Type:	2 x 26Ahr 12V SLA
Discharge Cut-off voltage:	21VDC
Quiescent Current	220mA (1 Loop)
Additional Loops (even)	+40mA for each Loop
Additional Loops (odd)	+75mA for each Loop
Loop Capacity	500mA, 126 devices per Loop
Cable	2 core Twisted 1.5 to 2.5mm ²
Fault supervision	O/C, S/C, Over current
Number of Zone LEDs	Up to 64
Outputs: (Programmable)	4 x 24VDC @ 1A 10K EOL
Relays: (Programmable)	5 x Voltage Free - 24VDC@1A
Auxiliary Power Outputs	2 x 24VDC @ 2A
Inputs (Programmable)	4 x O/C, S/C, 10K EOL
Comms External to FACP	RS485
Temperature	-5°C to + 40°C
Humidity	25% to 95% (non -condensing)
Material	1.2mm Mild Steel
Colour/Finish	Signal Red Ripple
Dimensions (mm)	500H x 405W x 150D
IP Rating	IP30

World Leader of Innovative Solution
in Fire Detection & Alarm Systems

OPTICAL SMOKE DETECTOR



- Alarm flag for fast alarm reporting
- Insect resistant
- Electronics-free base
- Responds well to slow burning, smouldering fires
- Easy installation

Approvals:



HEAT DETECTOR



- Reliable fire detection in areas with a wide temperature range from -20°C to +70°C
- Ideal for environments that are dirty or smoky under normal circumstances
- Unaffected by wind and atmospheric pressure

Approvals:



MULTISENSOR DETECTOR



The XP95 Multisensor Detector combines inputs from optical and heat sensors and processes them using a sophisticated algorithm. The XP95 Multisensor Detector is designed to be sensitive to a wide range of fires and may be used in place of an ionisation detector. Reliable fire detection in areas with a wide temperature range from -20°C to +60°C

Approvals:



ADDRESSABLE OPTICAL SMOKE DETECTOR



The Discovery Optical Smoke Detector works using the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.

Approvals:



ADDRESSABLE CO/HEAT MULTISENSOR DETECTOR



The Discovery CO/Heat Multisensor Detector is good at detecting deep-seated smouldering fires that give off a lot of CO as well as flaming fires. They are ideal for use in hotel bedrooms where steam may be present, dusty environments, or even where simulated smoke may be present.

Approvals:



ADDRESSABLE MULTISENSOR DETECTOR



- Ideal for a wide range of applications
- Highly immune to false alarms
- Well suited for environments such as hotel bedrooms
- Unaffected by wind or atmospheric pressure
- Well suited for sensitive environments
- Heat only, optical only options

Approvals:



REFLECTIVE ADDRESSABLE BEAM DETECTOR



The FIRERAY 5000 motorised reflective, auto aligning infrared optical beam smoke detector can be installed with up to two detector heads per system, thus saving on installation time and costs. In addition, each system controller houses two pairs of fire and fault relays, one per detector. This innovative system has been designed from the ground up to include pioneering technology that fully addresses the needs of the installer and user, both now and in the future.

Approvals:

XP95 ADDRESSABLE INPUT OUTPUT UNIT WITH ISOLATOR



The XP95 Input Output Unit with Isolator provides a loop-powered relay, a monitored input, and an unmonitored opto-coupled input. The device reports faults, switch open, and switch closed levels. It can report a fault, switch open, and switch closed levels. Three visible LEDs. Loop powered.

Approvals:

POWER SUPPLY UNITS



The MultiAmp PSU range of power supplies has been specifically designed for Fire System Installations and features intelligent battery charging and monitoring with remote fault signaling. Available in 2A, 5A, or 10A versions, the MultiAmp PSU range of switch-mode power supplies has been specifically designed for use with compliant fire detection and alarm systems.

XP95 ADDRESSABLE MANUAL CALL POINT



The XP95 Manual Call Point has been designed to operate on a loop of intelligent addressable fire detection devices and when activated interrupts the polling cycle for a very fast response. The address of each call point is set at the commissioning stage by means of a seven-segment DIL switch. The device features plug-and-play terminal connections and a resettable element.

Approvals:

DISCOVERY ADDRESSABLE MANUAL CALL POINT



The Discovery Manual Call Point is compliant with EN54-11. The address of each call point is set at the commissioning stage by means of a seven segment DIL switch. The device features 'plug and play' terminal connections and a resettable element. mounting XP95 & Discovery compatible

Approvals:

XP95 DISCOVERY ADDRESSABLE INTELLIGENT DETECTOR BASE



The Intelligent Detector Base fits all detectors in the XP95 & Discovery Addressable Detector range. The mounting base is a low insertion force base with stainless steel contacts for the detector terminals. XPERT cards are supplied with all bases.

Approvals:

FIRE ALARM CONTROL PANEL ZONEFINDER CONVENTIONAL

The ZoneFinder range of conventional fire control panels offers a competitive solution for smaller applications. Available in either 2 or 4 conventional and/or Twin-Wire (Sav-Wire) detection zones, the ZoneFinder is easy to install and maintain, providing clear and simple operation for the end user.

To assist users the three main function buttons are colour coded; (red) 'RESOUND', (blue) 'SILENCE' and (green) 'RESET'.

- 2 or 4 Zone
- Fully Approved by LPCB to EN54-2 & 4
- Twin-Wire option selected via integral switches
- False alarm management (Dependency A)
- Integral detector removal monitoring
- Integral 1.5 Amp Switch Mode PSU
- Space for 3.2Ahr Batteries



Approvals:   

- 2 Monitored sounder circuits
- 2 Auxiliary VFCO (1x Fire) (1x Fault)
- Class Change and Alert input
- Fire & Fault switched -ve outputs
- Test Mode including One Man Walk Test
- Control Enable via key switch or pass-code

series 65

SERIES 65 OPTICAL SMOKE DETECTOR FLASHING LED



The Series 65 Optical Smoke Detector uses light sensing technology to "see" smoke entering the chamber. The external detector moulding is identical to that of the ionisation detector, and has an indicator LED which is clear in quiescent state and produces a red light in alarm.

Approvals:   

INDOOR CONVENTIONAL MANUAL CALL POINT



The KAC Indoor Manual Call Point can be configured as a break glass.

- Unique 'Plug & Play' installation concept
- Total 'Flex-Ability' in the choice of operating element
- Anti-Tamper facility
- Enhanced aesthetics
- Backward compatibility



SERIES 65 CONVENTIONAL HEAT DETECTOR



The Series 65 Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are four classes of heat detectors in the Series 65 range designed to suit a wide variety of operating conditions.

Approvals:   

OUTDOOR CONVENTIONAL MANUAL CALL POINT



The Outdoor Manual Call Point is an IP67 sealed manual call point product.

- Sealed to IP67
- Unique 'Plug & Play' installation concept
- Total 'Flex-Ability' in the choice of operating element
- Anti-Tamper facility
- Enhanced aesthetics & compact design.



SERIES 65 CONVENTIONAL HEAT DETECTOR



Responds well to fast-burning, flaming fires Transient rejection algorithms reduce false alarms Automatic drift compensation with DirtAlert, a yellow flashing LED, to easily identify dirty detectors Red flashing LED at StartUp confirms that the device is operating. SensAlert, yellow flashing LED, indicates faulty operation

Approvals:   

SERIES 65 CONVENTIONAL STANDARD RELAY BASE



The Series 65 Standard Base has been designed to enable detectors to be fitted without the need for force particularly useful when fitting to suspended ceilings. All Series 65 bases have a one-way fit and can be locked into place by a grub screw using a 1.5mm hexagonal screw-driver.



VTG-32E SPATIAL SOUNDER 24VDC



EN54 part 3 approved

The VTG-32E family of sounders have been designed to cover a wide spectrum of applications. The 24 volt EN54-3 approved version is for use with conventional fire alarm systems including SAV-WIRE® two wire and as standard comes with 32 tones. The sounder is supplied with a two-stage alarm override which is activated by a third negative wire from the fire pane.

APPROVALS



VANTAGE COMBI SOUNDER BEACON



The Vantage Combi sounder beacon is a combined low profile electronic reflex horn sounder incorporating a high output LED cluster strobe light array. The Vantage Combi has been designed for general purpose, fire and security applications and incorporates both AS1670.4 and NZS4512 compliant signals.

Approvals: AS1670.4 and NZS4512

FIRE ALARM BELL 200MM



The Fire Alarm Bell incorporates a solenoid actuation mechanism and is designed for fire alarm applications. Its low current consumption, ease of installation incorporating diode polarity suppression, and traditionally recognisable bell sound, make it an ideal choice for fire alarm installations. Red finish with FIRE lettering Solenoid actuating mechanism Suitable for indoor use.



FIRE ALARM CABLE



Fire alarm cables are suitable for high-rise office building, Mills and Factories entertainment venues, hotels, Residential-commercial area and other building. The material is flame retardant and safe to use. Under normal working conditions, it has a long service life and is not easy to age. The cable has good flexibility and can be easily bent to use.



BATTERY OPERATED SMOKE DETECTOR



- ✓ Wireless Buzzer 9VDC FIRE ALARM
- ✓ Battery powered
- ✓ Faster response times to alarm
- ✓ Easy to Install
- ✓ Batteries included



SOLO SMOKE DETECTOR TESTER



This aerosol gives an accurate test of optical and ionisation type smoke detectors then quickly dissipates to leave the detector ready to detect smoke particles.

- ✓ Non-flammable formulation
- ✓ Faster response times to alarm
- ✓ No damage to detector plastics / components
- ✓ UL / ULC listed



FIRE PUMPS HORIZONTAL SPLITCASE TYPE



Bristol Split Case Pump is a single stage, non-self-priming, centrifugal volute pump with radial suction and discharge port. This pump has a horizontal pump shaft with the impeller placed in the middle of the shaft and with self contained combination bearing housing and seal chamber on both sides of the impeller. Without disturbing the motor or pipe-work, the split case construction enables the pump casing to be dismantled in the horizontal plane along the drive shaft.

END SUCTION



Bristol End Suction Pumps are designed according to NFPA 20 for firefighting applications. This pump is designed with latest technology and has premium components for fast maintenance and absolute efficiency

VERTICAL TURBINE



Bristol Vertical Turbine centrifugal pump is developed and fabricated by our company, according to NFPA20. This pump is used for any underground water source where the water level is below the pump suction, it's Impeller remains submerged with the water tank at all times. Where the fire protection water source is located below ground or deck level, the best technical pumping solution is the vertical suspended multi stage turbine pump.

VALVES

GATE VALVE



Gate Valves are valves that open by lifting a round or rectangular gate/wedge out of the path of the fluid. They are characterized as having either a rising or a non rising stem. Gate Valves are made of high quality materials and conform to international & local standards

NON-RETURN / CHECK VALVE



Swing Type

Return Valves or Check Valves are valves that normally allow fluid to flow through it in only one direction. BRISTOL Check Valves are swing type with a tilted clapper. BRISTOL Check Valves clapper design produces quick, non-slam closure before flow reversal can occur meeting the FM requirements for an anti-rating.

Y-STRAINER



Y-Strainers are used in straining debris from pipelines. They are fitted in the field with nipples and drain valves to permit the strainer screen to be cleaned while the system is still in process. BRISTOL Y-Strainers are compact & economical while also adhere to international and local standards.

BUTTERFLY VALVES



Butterfly Valves are valves which can be used for isolating or regulating flow, with the closing mechanism in the form of a disk. BRISTOL Butterfly Valves are supervised and can be used for in-door and outdoor application.

FIRE HYDRANTS

WET BARREL



DRY BARREL



Fire Hydrants are active fire protection measures, & connection points by which fire-fighters can tap into a water supply. Fire Hydrants can be classified as Wet Barrel where it is possible to turn the water supply on and off to each port, or Dry Barrel where the body remains dry until the main valve underground is switched on-both type offered by BRISTOL.

BREECHING INLETS



Air Release Valve

Bristol breaching inlets are suitable for installation on dry risers only, in a building for fire fighting purposes, fitted with inlet connection at fire brigade access.



Spray/Fog/Off Nozzle



Angle-Pressure Restricting Valve



Branch Pipe Nozzle



Semi-Automatic Pin Rack

LANDING VALVES

Landing Valves are valves that provide hose connections to supply water for use by fire departments and those trained in handling heavy fire streams. BRISTOL Landing Valves comply to British Standards and come with threaded or flanged connection options.



Pressure Reducing E Type Landing Valve



Oblique Flanged Landing Valve

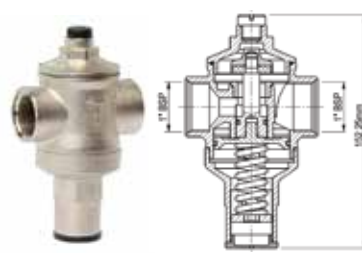


Oblique Threaded Landing Valve

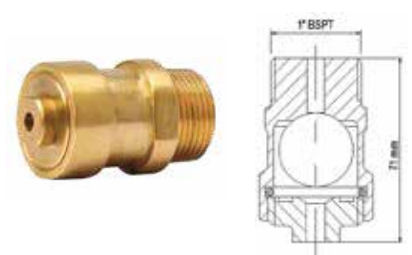
Test and Drain Valve



Pressure Reducing Valve



Air Release Valve



FIRE HOSE



Fire Hoses are high pressure hoses that carry water or other fire retardant such as foam from the supply to the fire to be extinguished. BRISTOL Fire Hoses compliance comes in different sizes, length and assemblies, and comply to both international and local standards. BRISTOL also offers accessories that complement these hoses.

FIRE HOSE REEL

Fire Hose Reel are high pressure that carry water or other fire retardant such as foam from the supply to the fire to be extinguished. BRISTOL Fire Hose Reel comply come in different sizes, length and assemblies, and comply to both international and local standards. BRISTOL also offers accessories that complement these hose Reel.



FIRE HYDRANT EQUIPMENTS



4 WAY BREECHING INLET



Model	BI 4
Inlet	Ø65 mm Male Copper Alloy Inst. Non Return Valve
Outlet	150 mm Flanged to EN 1092-2
Pressure Range	PN 16
Test Pressure	20 bar
Overall Width	285 mm
Overall Height	215 mm
Overall Weight	33 kg
Body Material	Ductile Iron / Cast Iron**
Cap	Plastic with chromed chained



2 WAY BREECHING INLET



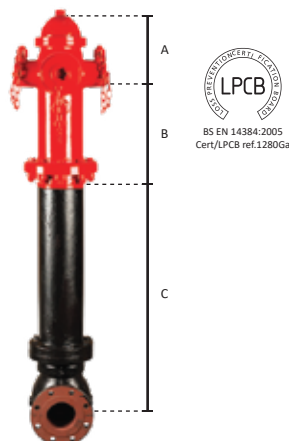
Model	BI 2
Inlet	Ø65 mm Male Copper Alloy Inst. Non Return Valve
Outlet	100 mm Flanged to EN 1092-2
Pressure Range	PN 16
Test Pressure	20 bar
Overall Width	279 mm
Overall Height	215 mm
Overall Weight	17 kg
Body Material	Ductile Iron / Cast Iron**
Cap	Plastic with chromed chained
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 3



2 WAY FIRE HYDRANT C/W LANDING VALVE



Model	PH2Q
Inlet	100 mm Flanged to EN 1092-2 Table 9
Outlet	2 x 65 mm Landing Valve With Female Inst. to BS 336
Working Pressure	16 bar
Test Pressure	24 bar
Overall Flowrate	2000 L / min @ 1.7 bar
Body Material	Cast Iron** / Ductile Iron to BS 2789
Outlet Material	Copper Alloy to BS 1400
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating



DRY BARREL HYDRANT WITHOUT BREAK SYSTEM C/W INSTANTANEOUS HOSE CONNECTOR

Model		EE16-082S				EE16-083S		
Inlet		DN 100 Flange				DN 150 Flange		
Outlet		Two 2.5" BS 336 Hose Connectors and One 4" BSP Pumper						
Dimension	A	225 mm				195 mm		
	B	403 mm				455 mm		
	C	800 mm	1200 mm	1450 mm	600 mm	800 mm	1200 mm	
Working Pressure		16 bar						
Closing Direction		Clockwise						
Opening Turns		17				16.5		
Upper Barrel Finishing		Red Electrostatic Powder Coating						
Lower Barrel Finishing		Black Bituminous Paint						
Shell Material		Ductile Iron						
Time for Draining		≤ 10 min						

FIRE HYDRANT EQUIPMENT

LANDING VALVES



SCREW OBLIQUE LANDING VALVE



Model	VLOS
Inlet	R 2 1/2" Screw Thread to EN 10226
Outlet	Female Instantaneous to BS 336
Nominal Inlet Working Pressure	Up to 15 bar
Body Test Pressure	22.5 bar @ 2 min
Seat Test Pressure	16.5 bar @ 2 min
Body Material	Copper Alloy to BS 1400
Handwheel Material	Grey Cast Iron / Aluminium Alloy
Weight	4.2 kg
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 1



SCREW RIGHT ANGLE LANDING VALVE



Model	VLRS
Inlet	R 2 1/2" Screw Thread to EN 10226
Outlet	Female Instantaneous to BS 336
Nominal Inlet Working Pressure	Up to 15 bar
Body Test Pressure	22.5 bar @ 2 min
Seat Test Pressure	16.5 bar @ 2 min
Body Material	Copper Alloy to BS 1400
Handwheel Material	Grey Cast Iron / Aluminium Alloy
Weight	3.7 kg
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 1



FLANGED OBLIQUE LANDING VALVE



Model	VLOF
Inlet	DN 65 Flanged to EN1092-3 Table 16/21
Outlet	Female Instantaneous to BS 336
Nominal Inlet Working Pressure	Up to 15 bar
Body Test Pressure	22.5 bar @ 2 min
Seat Test Pressure	16.5 bar @ 2 min
Body Material	Copper Alloy to BS 1400
Handwheel Material	Grey Cast Iron / Aluminium Alloy
Weight	6.4 kg
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 1



GROOVED FITTINGS FIRE HYDRANT



FM,UL & CE approved, Grooved pipe fittings and couplings Elbow, tee, cross, reducer, cap, mechanical tee & cross, flange adaptor etc. the pipe fittings function on connecting and sealing such as rigid coupling, flexible coupling, mechanical tee and grooved flange, also the pipe fittings function on connecting and transition such as bend, tee, cross & reducer. Grooved pipe fittings applications range on automatic sprinkler system for fire protection

FIRE HOSE RACK ASSEMBLY & COMPONENTS

The **EVERSAFE** Fire Hose Rack Assembly is used to provide immediate and efficient and efficient water source for fire suppression, and permite one-man operation. The assembly is for occupants use Class II service under NFPA 14 standard class of service. The pin rack features an automatic release mechanism where water flow through the hose after the last fold is released.



Fire Hose Rack Assembly 1 1/2"



Fire Hose Rack Assembly 2 1/2"



LAY FLAT UL FIRE HOSE



Model	SH14-38ET	SH14-65ET
Type	Single Jacket	
Size	38 mm	65 mm
Standard Length	50' / 75' / 100'	
Coupling	NH Threaded Coupling	
Working Pressure	200 psi	
Burst Pressure	600 psi	
Inner Material	EPDM	
Outer Material	Polyester	
Colour	White	
Manufactured & Certified to	NFPA 1961 UL Listed	

MANUAL SWING TYPE FIRE HOSE REELS - DIE CAST



Model	EH19-SDM-09GI*	EH25-SDM-09GI**	EH25-SDM-12GI***
Disc Diameter	565 mm	565 mm	565 mm



FIRE HOSE RACK ASSEMBLY & COMPONENTS



ANGLE HOSE VALVE

Model	AHV-38	AHV-65
Size	1 ½"	2 ½"
Rated Pressure	300 psi	
Material	Brass	
Manufactured & Certified to	UL 668 ; UL/FM Listed	



PRESSURE REDUCING HOSE VALVE

Model	PRHV-38	PRHV-65
Size	1 ½"	2 ½"
Rated Adjustable Pressure	175 psi	
Material	Brass	
Manufactured & Certified to	UL 1468 ; UL/FM Listed	

*FM approved Pressure Restricting Valve rated pressure 300 psi available upon request



PORTABLE JET/SPRAY NOZZLE UL

Model	PN-38JS	PN-65JS
Size	1 ½"	2 ½"
Pressure Rating	200 psi	
Service Pressure Range	20 - 200 psi	
Discharge Rate Wide Open @ 100 psi	130 gpm	280 gpm
Applicable Fire Class	A & B	
Manufactured & Certified to	UL 401	

HOSE PIN RACK



HOSE RACK NIPPLE



SPRINKLERS



ALARM CHECK VALVE

Size (mm)	100mm (4")	150mm (6")
Material	Cast Iron	
Rated Working Pressure	175 psi (12 bar)	
Test Pressure	350 psi (24 bar)	
Standard	UL 193	
Flange Dimension	ANSI B 16.5 Class 150	

FIRE DOOR



PROTECT SAFETY & SECURITY

All of fire rated doors are fitted in strong steel door frames which will increase the level of protection. Highly preferred in all types of buildings today, these doors offer safe and secure living and ease of movement.



FIRE DOOR ACCESSORIES



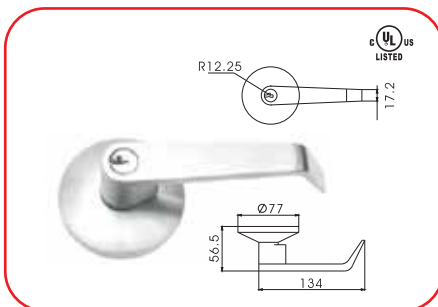
PANIC EXIT DEVICE TOUCH BAR



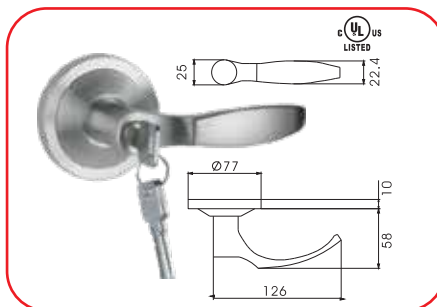
VERTICAL ROD TYPE PANIC EXIT DEVICE



ELECTRO MAGNETIC DOOR HOLDER



OUTSIDE TRIM LOCK



OUTSIDE TRIM LOCK



DOOR CLOSER

ABC DRY POWDER PORTABLE FIRE EXTINGUISHERS

STORED PRESSURE TYPE KITEMARK CE SERIES



Model	EED-1	EED-2	EED-2h	EED-3	EED-4N	EED-6	EED-9	EED-12
Type	Stored Pressure Type							
Extinguishant	ABC Dry Powder							
Capacity	1 kg	2 kg	2 kg	3 kg	4 kg	6 kg	9 kg	12 kg

AFF FOAM & WATER PORTABLE FIRE EXTINGUISHERS

STORED PRESSURE TYPE KITEMARK CE SERIES



Model	EEF 2s	EEF 6s	EEF 9s	EEW 6s	EEW 9s
Type	Stored Pressure Type				
Extinguishant	AFF Foam (Premix)			Water	
Capacity	2 litres	6 litres	9 litres	6 litres	9 litres

CARBON DIOXIDE PORTABLE FIRE EXTINGUISHERS

STORED PRESSURE TYPE KITEMARK CE SERIES



Model	EEC-2e2	EEC-5e1	EEC-2A1e2	EEC-5A1e1
Body Material	Cromoly Steel		Aluminium Alloy	
Extinguishant	Carbon Dioxide			
Capacity	2 kg	5 kg	2 kg	5 kg
Valve	CE Marked Controllable Chrome Plated Brass Valve			
Body Diameter	105 mm	138 mm	117 mm	152 mm
Overall Height	567 mm	747 mm	502 mm	664 mm
Approx Full Weight	6.7 kg	15.0 kg	5.1 kg	12.1 kg
Working Temperature Range	- 20°C to + 60°C			
Working Pressure	56 bar			
Test Pressure	250 bar		212 bar	
Burst Pressure	180 - 200 bar			
Approx Discharge Range	3 m			
Approx Discharge Time	13 sec	23 sec	14 sec	18 sec
Fire Rating	34B	55B	34B	55B
Fire Class	B + Electrical			
Cylinder Specification	84 / 525 / EEC, BS 5045 Part 7, PED		BS 5045 Part 8, PED	
Discharge Assembly	Swivel Horn	Hose & Fish Tail Horn	Swivel Horn	Hose & Fish Tail Horn
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating			
Mounting	Metal 'L' Wall Bracket			
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007, BS EN 3-9: 2006 and BS EN 3-10: 2009			

* Overall height measure from bottom up to valve handle



WET CHEMICAL PORTABLE FIRE EXTINGUISHERS

STORED PRESSURE TYPE KITEMARK CE SERIES



Model	EEK-2s	EEK-6s	EEK-9s
Type	Stored Pressure Type		
Extinguishingant	Wet Chemical		
Capacity	2 litres	6 litres	9 litres
Propellant	Nitrogen (N ₂)		
Valve	Controllable Chrome Plated Brass Valve with Pressure Indicator		
Body Diameter	110 mm	158 mm	178 mm
Overall Height **	398 mm	575 mm	625 mm
Approx Full Weight	4.6kg	13.1 kg	18.5 kg
Working Temperature Range	0°C to + 60°C		
Working Pressure	12 bar		
Test Pressure	25 bar		
Burst Pressure	Exceeds 69 bar		
Approx Discharge Range	>2 m		
Approx Discharge Time	14 sec	55 sec	90 sec
Fire Rating	5A:5F	8A:75F	13A:75F
Fire Class	A, F Safety Test*		
Internal Lining	Thermoplastic Powder Coating (PPA)		
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red		
Mounting	Wire Bracket	Chrome Painted Red Metal 'T' Wall Bracket	
Maintenance Tag	Aluminium Alloy		
Manufactured & Certified to	BS EN 3		

*Safe if in accidental contact with live electrical equipment. Comply with electrical conductivity test BS EN 3-7, Clause 9 Annex C
**Overall height measure from bottom upto valve handle

FIRE SUPPRESSION SYSTEMS

NAF S227, NAF S125, NAF S 1230, CO₂ EXTINGUISHING AGENT



Eversafe NAF S 227 & NAF S 125 Fire Extinguishing Systems are designed with the ability to suppress fire in the shortest time possible, especially in enclosed areas occupied by human. Its clean and produce zero residue. With the additional patented additive D-Limonene, it reduces the level of decomposition by-products which are harmful to humans and assets, increase the extinguishing performances and citrus odor contributes early detection of leakage.

Eversafe NAF S 1230 is a next-generation halon alternative fire suppression system ideal for use in total flooding applications. It is also a hydrofluorocarbon (HFC) alternative on account of the The Kigali Amendment listed HFC as substance controlled to be phased down by 2040 under the Montreal Protocol.

Carbon Dioxide (CO₂) is one of the most effective fire extinguishing agents available on the market. In non-occupied environment, you will typically find CO₂ fire extinguishing system installed for fire protection.

STORED PRESSURE TYPE/CARTRIDGE OPERATED TYPE **KMCE SERIES** **ABC DRY POWDER MOBILE FIRE EXTINGUISHERS**



	MPM-25	MPM-50	MPG-25	MPG-50
Model	MPM-25	MPM-50	MPG-25	MPG-50
Type	Stored Pressure Type		Gas Cartridge Type	
Extinguishant	ABC Dry Powder			
Capacity	25 kg	50 kg	25 kg	50 kg

STORED PRESSURE TYPE/CARTRIDGE OPERATED TYPE **KMCE SERIES** **AFF FOAM MOBILE FIRE EXTINGUISHERS**



	MFM-45	MFM-135	MFG-45	MFG-135	MFG-150
Model	MFM-45	MFM-135	MFG-45	MFG-135	MFG-150
Type	Stored Pressure Type			Gas Cartridge Type	
Extinguishant	AFF Foam (Premix)				
Capacity	45 litres	135 litres	45 litres	135 litres	150 litres

KMCE SERIES **CARBON DIOXIDE MOBILE FIRE EXTINGUISHERS**



	MCO-10	MCO-20	MCO-10T
Model	MCO-10	MCO-20	MCO-10T
Capacity	10 kg	20 kg	10 kg x 2
Style	Single		Twin

STORED PRESSURE TYPE

ABC DRY POWDER PORTABLE FIRE EXTINGUISHERS

- ✓ Fully deep drawn from cold rolled steel
- ✓ Externally coated with polyester powder
- ✓ Pressure tested to twice the extinguisher's working pressure



EED 5

Model	EED 5
Type	Stored Pressure Type
Extinguishant	ABC Dry Powder
Capacity	5 kg
Propellant	Nitrogen (N ₂)
Valve	Controllable Non Ferrous Valve with Pressure Indicator
Body Diameter	158 mm
Overall Height	475 mm
Approx Full Weight	7.9 kg
Working Temperature Range	-20°C to + 60°C

Model	EED 5
Working Pressure	12 bar
Test Pressure	25 bar
Burst Pressure	Exceeds 69 bar
Approx Discharge Range	5m
Approx Discharge Time	20 sec
Fire Rating	13 A : 70 B
Fire Class	A, B, C + Electrical
Internal Coating	Stoving Epoxy Primer
Paint Finishing	RAL 3000 Flame Red Polyester Powder Coating

FOAM EQUIPMENT (CONCENTRATE)

MOBILE FOAM UNIT

The **EVERSAFE** Mobile Foam Unit provides you better protection from many fires which occurs from light fuels where water alone is not sufficient to provide the protection needed. With this mobile foam unit, now you can better utilize the available water supply (eg; Hydrant) to provide optimum protection and promotes cooling effect. This mobile foam unit is a must-have in every tank farms, oil refineries, airport, aircraft hangers, rubber product plants and all medium-sized factories.

- ✓ One-Man Operation
- ✓ Rechargeable During Use
- ✓ Continuous Operation
- ✓ Large Wheel Size
- ✓ Light Weight
- ✓ Adjustable Foam Ratio
- ✓ Impact Protection



A

AUTOMATIC DRY POWDER FIRE EXTINGUISHER

- ✓ Effective on all type of fires - Class A, B, C & Electrical
- ✓ Non-electricity conductive
- ✓ Ideal for unmaned area
- ✓ Wide effective coverage and rechargeable



Model	AUTO P 6		
Type	Stored Pressure Type	Working Pressure	12 bar
Extinguishant	ABC Dry Powder	Test Pressure	25 bar
Capacity	6 kg	Burst Pressure	Exceeds 69 bar



ABC POWDER

EP4X Powder	
Packaging	6kg, 9kg, 12kg and 25kg
Storage	Cool and Dry Place

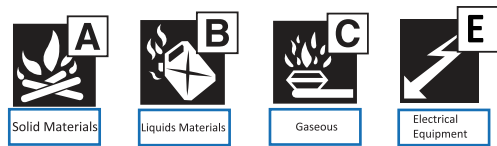
BC POWDER

Monnex Powder	
Packaging	25kg
Storage	Cool and Dry Place

ABC DRY POWDER FIRE EXTINGUISHER

STORED PRESSURE TYPE

Powder type Fire Extinguishers are suitable for use on Class A, B, C & E (multipurpose usage) type fires involving flammable gases such as propane and butane. They are also highly effective for electrical hazards. This multipurpose extinguisher interferes with the combustible process and provides rapid fire knock down.



Model	MFZL 1	MFZL 2	MFZL 3	MFZL 4	MFZL 5	MFZL 6	MFZL 8	MFZL 9	MFZL 10	MFZL 12
Capacity	1 kg	2 kg	3 kg	4 kg	5 kg	6 kg	8 kg	9 kg	10 kg	12 kg

AFF FOAM TYPE FIRE EXTINGUISHER

STORED PRESSURE TYPE



AFFF foam extinguisher is effective on B class hydrocarbon fuel fires such as oil, petroleum, aviation fuel, and is particularly suitable where fast knockdown is essential. It is compatible with all dry powders. Its excellent wetting characteristic make it useful in combating Class A fire as well.

CARBON DIOXIDE FIRE EXTINGUISHER

STORED PRESSURE TYPE



Carbon dioxide gas is an efficient fire extinguishing agent which offers unique properties to user. The colourless and odourless gas is heavier than air and works by smothering the flames and reducing the oxygen content of the air around the fire, Carbon dioxide is the ideal agent for use on Class B (flammable liquids) and Class C (flammable gas) fires. It is non conductive & therefore particularly effective against fires in electrical plant and equipment.

STORED PRESSURE TYPE

AUTOMATIC DRY POWDER FIRE EXTINGUISHER



The LEGEND automatic dry powder fire extinguisher is effective on all type of fires- class A, B, C & electrical. The monoammonium phosphate (MAP) and ammonium sulphate agents are non electricity conductive. It is ideal for unmanned area where continuous protection is required and a mixture of the fire risks is present. It's wide effective coverage reduces the quantity required for any area to be protected. This fire extinguisher is rechargeable.



Luminous Associates

Total Solution of Fire Safety

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