"आग से बचेगा इंडिया,
तभी तो **सुरक्षित रहेगा** इंडिया"

PalEx

DEVICES

Don't let your assets,
lives of your loved ones and
your future go up in flames...

Kill the fire, before fire kills you.

THE FACTORY
RROR UNFOLDED
st 17 people
heir lives...

7
EN | MEN

50 rescued as major blaze destroys
building near Dadar railway station

रू के मथुरापुर बाजार में तीन दुकानों
लगी आग, 20 लाख की संपत्ति राख

20 students killed
Surat coaching cen
fire, some fell to dea

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cape
ut off;
ed

Have ordered an inquiry and anyone found responsib
won't be spared: Gujarat Deputy CM Nitin Patel

Most were awaiting
Class XII

s Delhi-NCR fire safe?

मुबई- कमला मिल कंपाउ
बिल्डिंग में आग लगी

F SAFETY Plush malls, posh residential towers have mushroomed, but fire departments not equipped adequately

Fire stations ill-equipped
The skylifts currently available in Delhi-NCR can hardly reach the top floors of high-rises.
The fire departments lack adequate equipment, manpower to deal with emergencies

DELHI	GURGAON	NOIDA	GHAZIABAD
3,000 high rise buildings	2,000 high rises above 15m	1,100 high rise buildings	300 high rise buildings

TN fire: 5 feared dead,

Dawn fire

What's Inside

PalEx®
DEVICES

Most Cost-Effective
Fire Safety Solutions in India

✔ **Rigorously tested**

✔ **Trusted by hundreds of reputed clients**

✔ **Unbeatable price**

GUARANTEE

About the Company

Palladium was founded in 2011 with an aim to provide people across India and around the globe good quality fire safety system at absolutely affordable prices.

Since 2011, Palladium is helping people fight the fire with world-class fire safety equipment made available at an unbeatable low price.

Many years of design, development & production optimization has helped us manufacture & supply a vast range of good quality Fire Alarm Systems, Fire Extinguishers and Fire Fighting Equipment's at a lowest market price.

That's not all, our constant innovation, manufacturing expertise and best after sale service has established us as a trend-setter in the fire safety industry.

Mission

"To provide people across India and around the globe a good quality fire safety system at absolutely affordable prices."

Vision

"Shaping the future of fire protection."

Why Palladium

Because we put quality, reliability, and customer satisfaction above all else. Leading architects and consultants trust us, because...

360 Degree Solutions

With us you get everything from audits to exhaustive range of fire safety equipment to maintenance service under one roof.

High Quality & Performance

We demonstrate enviable industry- expertise and a solutions-oriented approach towards each project, drawing from our invaluable experience.

Unmatched Post-Sell Service

Customer service is our attitude. When your client buys a PalEx product he gets free replacement in case of any manufacturing defect – that's our promise.

Lowest Price, Guaranteed

Your read it right. Good quality PalEx brand products come at an unbeatable low price – something that will make our client happy.

Started production of Fire Alarm System • 2013

2011 •

Registered Palladium Safety Solutions Pvt Ltd.
Under Companies Act.

Compliance
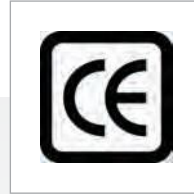
Our Company, **Palladium Safety Solutions Pvt. Ltd.** Is registered & certified with
NSIC, MSME, CE & ISO 9001 : 2015.
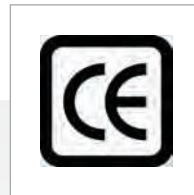
Product Range of our **Fire Alarm System** are certified by
Electronics Regional Test Laboratory (North) & CE.

Product Range of **Portable Fire Extinguishers** (as per IS 15683), **Wheeled Fire Extinguisher**
(as per IS 16018), **Fire Fighti** are certified by BIS and CE.

Product Range of **Electrical Panel, Fire Rated Doors, Fire Shaft Doors, Electric Shaft Door,**
LV Shaft Doors, Networking Racks, are certified by CE.

Our Infrastructure

Industries We Serve

Our integrity, service and transparency
have helped us expand our wings in a short span of time.
Industries we serve today include...

Corporate Offices	**Multinational Companies**	**Hospitals & Nursing Homes**
Educational Institutions	**Shopping Malls**	**Industrial Units**

NORTHERN RAILWAY	TOKAI IMPERIAL RUBBER INDIA PVT. LTD.	KHD HUMBOLDT WEDAG		bharti AXA life insurance
	SYLPRIN	SABAL NEPAL	NEPAL FIRE & SAFETY SOLUTIONS PVT LTD 2018	Khetarpal Hospital
Clemotex Engineering (Zambia)	Shourya Enterprises	Oberoi & Sons Ltd	Rajpati Enterprises	Mahindru Hospitals Pvt. Ltd.
	Chief Minister Office, Bihar	Pizza Hut	Multiple Government orders through Government E-Market Place	

OPTICAL SMOKE DETECTOR

An optical smoke detector, also called a photoelectric smoke alarm, is a type of smoke detector that uses optical light to detect the presence of smoke. These devices contain a light emitter, which may be optical, infrared, or ultraviolet light, as well as a light sensor. If smoke crosses the light beam, the intensity of the light that hits the sensor will be reduced, triggering the alarm.

MODEL No	PSS-650
Operating Voltage Range	9to 32 Vdc volts Non -Polarized
Alarm current (Max)	2mA
Start-up time	30s
Alarm Indicator	Dual red LED
Maximum Alarm Current (LED on)	55 mA @24 VDC
Operating Humidity Range	10% to 93% Relative Humidity Non Condensing
Operating Temperature Range	14°F to 131 °F (-10°F to +55°F
Height	22"(55mm) installed in base
Weight	5.5 oz.(155g)
Adjustable Sensitivity	1-2.5%/FT
Diameter	4.0" (103mm)
Rest Voltage	3V
Reset time	30 S

HEAT DETECTOR

Heat detectors detect the presence of heat and an increase in air temperature. These detectors have few false alarms but, they take longer to identify a fire than a smoke detector. They're ideal in situations where smoke detectors may cause false alarms such as steamy, humid, or dusty environments. Infrequently occupied areas like storage facilities, warehouses, or machine rooms also use these types of detectors.

MODEL No	PSS-650
Operating Voltage Range	9to 32 Vdc volts Non -Polarized
Alarm current (Max)	2mA
Start-up time	30s
Alarm Indicator	Dual red LED
Maximum Alarm Current (LED on)	55 mA @24 VDC
Operating Humidity Range	10% to 93% Relative Humidity Non Condensing
Operating Temperature Range	14°F to 131 °F (-10°F to +55°F
Height	22"(55mm) installed in base
Weight	5.5 oz.(155g)
Adjustable Sensitivity	1-2.5%/FT
Diameter	4.0" (103mm)
Rest Voltage	3V
Reset time	30 S
Thermistor temperature	80°C

STANDALONE SMOKE DETECTOR

A Standalone smoke detector, also called a Battery-Operated smoke alarm, is a type of smoke detector that uses optical light to detect the presence of smoke. These devices contain a light emitter, which may be optical, infrared, or ultraviolet light, as well as a light sensor. If smoke crosses the light beam, the intensity of the light that hits the sensor will be reduced, triggering the sound.

MODEL No	PSS-650
Operating Voltage Range	DC 9 Volt (6F22Battery)
Alarm current (Max)	35uA
Static Current	10uA
Sound Level	35uA
Sensitivity	2.06%ft + 1.35ft
Detecting Area	80m2 at 6-12 m installation height 60m2 at installation height <6m
Working Area	1C+ 5C
Working Temperature	<95% RH (no condensation)
Humidity	128*38mm
Dimension	About 200 g

2/4 ZONE
FIRE ALARM PANEL

The PSS-02/04Z series 2/4 Zone conventional fire alarm panel is designed based on ERTL standard. And it is the central part of conventional fire alarm system, designed for applications requiring smoke detector, bell, manual pull stations, and sprinkler supervision. Each zone can be disabled by a button.

Product Features

- Maximum number of Analogue Conventional Detector Inputs: 20 detectors each zone
- Available Options: 2-4 Zone, 6-8 Zone, 10-16 Zone, 20-32 Zone
- Outputs for Alarm devices: Includes 2 bells/fire relay/ fault relay
- Auxiliary resettable power output: 24VDC/ 100mA limiting protection
- Automatic power switchover: mains power and secondary power (from batteries)
- Independent functional buttons with indication: User friendly interface for easy operation and recognition
- Access levels to enter the panel
- Fault supervision and notification: inputs, outputs, system, power, earth, fuse
- Disablement: zones disablement
- Evacuation: Fire drills to simulate fire alarm condition on panel.
- Silence: sounders and buzzer silence

Technical Parameters

AC INPUT	220VAC 50/60Hz	10%
		-15%
DC OUTPUT	24VDC typical	
Voltage for MCU	5V for MCU	
Current at 24VDC from PSE	450mA standby current	
Maximum current from PSE	1A except batteries charge	
Batteries current	1.85A maximum, current limited	
	24VDC +/- 10%, 100 mA max,	
Auxiliary output	current limited, monitored	
	2*12V/ 2.3Ah sealed lead acid gel,	
Batteries	self-regulated *	
Battery low-voltage protection	21V	
Detectors connection allowed each zone	20 (except MCPs)	
Zone alarm current	6mA minimum/ 27mA maximum	
Sounder output	2*0.75A maximum	
Fire Relay	1A/30VDC maximum	
Fault Relay	1A/30VDC maximum	
Communication protocol	2 wires RS485 bus system	
EOL resistor for zone	4.7K 0.25W	
EOL resistor for outputs	4.7K 0.25W	
Fuse for AC Power	1 A/ 250V glass tube fuse 5 X 20mm	
Fuse on DC Power	1A/ 250V glass tube fuse 5 X 20mm	
	Class A temperature range: -5 to 40°C (23~104°F)	
Environmental	Humidity: 5 to 95% RH, non-condensing	
	All terminals rated for 12 to18 AWG	
Terminal blocks rating	(0.75 to 2.5 mm2)	

6/8 ZONE
FIRE ALARM PANEL

The PSS - 06/08Z series 6/8 Zone conventional fire alarm panel is designed based on ERTL standard. And it is the central part of conventional fire alarm system, designed for applications requiring smoke detector, bell, manual pull stations, and sprinkler supervision. Each zone can be disabled by a button. The basic unit offers 2 to 8 zones of initiation, up to 16 zones for larger applications.

Product Features

- Maximum number of Analogue Conventional Detector Inputs: 20 detectors each zone
- Available Options: 2-4 Zone, 6-8 Zone, 10-16 Zone, 20-32 Zone
- Outputs for Alarm devices: Includes 2 bells/fire relay/ fault relay
- Auxiliary resettable power output: 24VDC/ 100mA limiting protection
- Automatic power switchover: mains power and secondary power (from batteries)
- Independent functional buttons with indication: User friendly interface for easy operation and recognition
- Access levels to enter the panel
- Fault supervision and notification: inputs, outputs, system, power, earth, fuse
- Disablement: zones disablement.
- Evacuation: Fire drills to simulate fire alarm condition on panel
- Silence: sounders and buzzer silence
- It has FIRE and FAULT signal output.
- It has EVACUATE button to start a manual fire alarm immediately.
- It has battery low protection function, when battery voltage lower than 21VDC, battery will be cut off automatically until the mains power is on.

Technical Parameters

AC INPUT	220VAC 50/60Hz	10%
		-15%
DC OUTPUT	24VDC typical	
Voltage for MCU	5V for MCU	
Current at 24VDC from PSE	450mA standby current	
Maximum current from PSE	1A except batteries charge	
Batteries current	1.85A maximum, current limited	
	24VDC +/- 10%, 100 mA max,	
Auxiliary output	current limited, monitored	
	2*12V/ 7Ah sealed lead acid gel,	
Batteries	self-regulated *	
Battery low-voltage protection	21V	
Detectors connection allowed each zone	20 (except MCPs)	
Zone alarm current	6mA minimum/ 27mA maximum	
Sounder output	2*0.75A maximum	
Fire Relay	2A/30VDC maximum	
Fault Relay	1A/30VDC maximum	
Communication protocol	2 wires RS485 bus system	
EOL resistor for zone	4.7K 0.25W	
EOL resistor for outputs	4.7K 0.25W	
Fuse for AC Power	1 A/ 250V glass tube fuse 5 X 20mm	
Fuse on DC Power	1A/ 250V glass tube fuse 5 X 20mm	
	Class A temperature range: -5 to 40°C (23~104°F)	
Environmental	Humidity: 5 to 95% RH, non-condensing	
	All terminals rated for 12 to18 AWG	
Terminal blocks rating	(0.75 to 2.5 mm2)	

10/16 ZONE
FIRE ALARM PANEL

The PSS-10/16Z series 10/16 Zone conventional fire alarm panel is designed based on ERTL standard. And it is the central part of conventional fire alarm system, designed for applications requiring smoke detector, bell, manual pull stations, and sprinkler supervision. Each zone can be disabled by a button

Product Features

- Maximum number of Analogue Conventional Detector Inputs: 20 detectors each zone
- Available Options: 2-4 Zone, 6-8 Zone, 10-16 Zone, 20-32 Zone
- Outputs for Alarm devices: Includes 2 bells/fire relay/ fault relay
- Auxiliary resettable power output: 24VDC/ 100mA limiting protection
- Automatic power switchover: mains power and secondary power (from batteries)
- Independent functional buttons with indication: User friendly interface for easy operation and recognition
- Access levels to enter the panel
- Fault supervision and notification: inputs, outputs, system, power, earth, fuse
- Disablement: zones disablement
- Evacuation: Fire drills to simulate fire alarm condition on panel
- Silence: sounders and buzzer silence

Technical Parameters

AC INPUT	220VAC 50/60Hz	10%
		-15%
DC OUTPUT	24VDC typical	
Voltage for MCU	5V for MCU	
Current at 24VDC from PSE	450mA standby current	
Maximum current from PSE	1A except batteries charge	
Batteries current	1.85A maximum, current limited	
	24VDC +/- 10%, 100 mA max,	
Auxiliary output	current limited, monitored	
	2*12V/ 7Ah sealed lead acid gel,	
Batteries	self-regulated *	
Battery low-voltage protection	21V	
Detectors connection allowed each zone	20 (except MCPs)	
Zone alarm current	6mA minimum/ 27mA maximum	
Sounder output	2*0.75A maximum	
Fire Relay	3A/30VDC maximum	
Fault Relay	1A/30VDC maximum	
Communication protocol	2 wires RS485 bus system	
EOL resistor for zone	4.7K 0.25W	
EOL resistor for outputs	4.7K 0.25W	
Fuse for AC Power	1 A/ 250V glass tube fuse 5 X 20mm	
Fuse on DC Power	1A/ 250V glass tube fuse 5 X 20mm	
	Class A temperature range: -5 to 40°C (23~104°F)	
Environmental	Humidity: 5 to 95% RH, non-condensing	
	All terminals rated for 12 to18 AWG	
Terminal blocks rating	(0.75 to 2.5 mm2)	

24/32 ZONE
FIRE ALARM PANEL

The PSS-24/32Z series 24/32 Zone conventional fire alarm panel is designed based on ERTL standard. And it is the central part of conventional fire alarm system, designed for applications requiring smoke detector, bell, manual pull stations, and sprinkler supervision. Each zone can be disabled by a button.

Product Features

- Maximum number of Analogue Conventional Detector Inputs: 20 detectors each zone
- Available Options: 2-4 Zone, 6-8 Zone, 10-16 Zone, 20-32 Zone
- Outputs for Alarm devices: Includes 2 bells/fire relay/ fault relay
- Auxiliary resettable power output: 24VDC/ 100mA limiting protection
- Automatic power switchover: mains power and secondary power (from batteries)
- Independent functional buttons with indication: User friendly interface for easy operation and recognition
- Access levels to enter the panel
- Fault supervision and notification: inputs, outputs, system, power, earth, fuse
- Disablement: zones disablement
- Evacuation: Fire drills to simulate fire alarm condition on panel
- Silence: sounders and buzzer silence.

Technical Parameters

AC INPUT	220VAC 50/60Hz	10%
		-15%
DC OUTPUT	24VDC typical	
Voltage for MCU	5V for MCU	
Current at 24VDC from PSE	450mA standby current	
Maximum current from PSE	1A except batteries charge	
Batteries current	1.85A maximum, current limited	
	24VDC +/- 10%, 100 mA max,	
Auxiliary output	current limited, monitored	
	2*12V/ 2.3Ah sealed lead acid gel,	
Batteries	self-regulated *	
Battery low-voltage protection	21V	
Detectors connection allowed each zone	20 (except MCPs)	
Zone alarm current	6mA minimum/ 27mA maximum	
Sounder output	2*0.75A maximum	
Fire Relay	5A/30VDC maximum	
Fault Relay	2A/30VDC maximum	
Communication protocol	2 wires RS485 bus system	
EOL resistor for zone	4.7K 0.25W	
EOL resistor for outputs	4.7K 0.25W	
Fuse for AC Power	1 A/ 250V glass tube fuse 5 X 20mm	
Fuse on DC Power	1A/ 250V glass tube fuse 5 X 20mm	
	Class A temperature range: -5 to 40°C (23~104°F)	
Environmental	Humidity: 5 to 95% RH, non-condensing	
	All terminals rated for 12 to18 AWG	
Terminal blocks rating	(0.75 to 2.5 mm2)	

PUBLIC ADDRESSABLE SYSTEM (PA SYSTEM)

A public addressable system or a PA system is an electronic sound amplification and distribution system with a microphone, amplifiers, and loudspeakers. These devices are used to help a person address a small or large public in the way of announcing any instructions or information. In general, they are also used for music as well as delivering a speech.

This system forms the central part of any fire detection and alarm system, which helps alert the occupants in the building if any fire accidents occur.

The PSS-PAS is a 32-Zone PA panel. It is indicating equipment forms the central part of a fire detection and alarm system. The 2-wire is compatible with this device. And it is the central part of conventional fire alarm system, designed for applications requiring smoke detector, bell, manual pull stations, and sprinkler supervision. Each zone can be disabled by a button. The basic unit offers 1 to 16 zones of initiation, up to 32 zones for larger applications.

This panel allows the user to monitoring Fire alarm system along with the provision to make live/ prerecorded announcements. In built speaker is used to produce voice alarms and facilities instant two-way communications with the talkback unit. This panel can control external speakers individually for making announcements, playing music etc.

PRODUCT FEATURES:

- Expandable up to 2 to 32 zones
- 16 x 2-line LCD
- Common fire & Fault annunciation windows
- Analogue meters to measure AC supply
- Battery current and DC operating voltage
- Amplifier wattage can be customized depending upon requirement.
- Gooseneck mic attached Zone wise selector switch and all switch facility

TECHNICAL FEATURES:

Model No	PSS - PAS
Capacity	2 to 32 Zone
I/P Supply	230 volt Stand by supply DC/10Amp
Current Consumption	Customize
End of line	4k7
Detection O/P	24 VDC
Hooter O/P	100 V AC
Housing	MS Sheet
Colour	Red

MANUAL CALL POINT

A manual call point is a device which enables personnel to raise an alarm in the event of a fire incident by pressing a frangible element to activate the alarm system. A fire alarm manual call point should be installed at a height of 1.4m above floor level at easily accessible and conspicuous positions.

- Compatibility with all Conventional fire control panel
- Alarm Test key Facility
- Glass Protected by thin Film
- Wall Mounted
- LED Blinking Facility (Optional)

MODEL NO.	PSS-ABSMCP	PSS-MSMCP
Power I/P	24 V DC	24 V DC
Weight	150 Gm	250 Gm
Dimensions (mm)	85*85*50	85*85*50
Color	Red	Red
Current Consumption	30 mA	30 mA
Housing	ABS	MS

FIRE HOOTERS / SOUNDERS

The fire alarm Hooter/Sounder are Audio indications to fire Signals. Alarm Hooter Plays a crucial role of vital importance by Creating a Hooter Like Sound as and when the control monitoring Panel Detects a fire signal from any zone

MODEL NO.	PSS –HABS	PSS –HMS
Power I/P	100 V AC (with LMT) or 12/24V DC	100 V AC (with LMT) or 12/24V DC
Power O/P	90 db	90 db
Weight	340 gm	940 gm
Dimensions (mm)	L 115mm * D 75mm * W 130 mm	L 185mm * D 60mm * W 130 mm
Speaker	4 Watt	4 Watt
Current Consumption	220 mA	220 mA
Construction	ABS Housing	MS Housing

FIRE HOOTER / SOUNDER WITH FLASHER

Hooter With Flasher is audio-visual alert device to alert everyone by flashing light & high audible sound in case of emergencies. Flasher Hooter is Successfully used with Fire Alarm Systems, Burglar Alarm System & other Emergency Situations.

It is really helpful to grab attention from people busy in their task in Factory, Constructions Sites kind noisy areas.

Model No	PSS-FBST
Power input	12/24 v DC
Power out put	90 dB
Weight	180 gram
Dimension in mm	L-125 X D50mm X w130mm
Speaker	Piezo Buzzer
Current consumption	220 mA
Material	ABS Housing
Flasher type	Led Based

RESPONSE INDICATOR

Response indicators are connected to Smoke / Heat detectors in order to indicate quickly the source of an alarm signal from detectors which are not easily accessible or visible. The response indicators contain an indicator lamp unit with one resp. two LEDs.

MODEL NO.	PSS –RI
Power I/P	12/24V AC
Weight	80 grm
Dimensions (mm)	L 60mm * D 36mm * W 70 mm
Color	White
Current Consumption	8 mA
Construction	FR Polymer ABS Housing
Flashing Type	Dual LED Based

FIRE HOOTER / SOUNDER WITH IN BUILD MCP (AC OPERATED)

- Fully compiles to IS 2189 & tested by ERTL (N)
- AC MCP & MS Hooter Combined
- Easy To Use
- Longer Working Life
- High Performance

MODEL NO.	PSS-CMD
Weight	940 GM
Color	RED
Material	MS
Power	AC 220V, DC 24 V
Power consumption	220 Ma
Dimension	180 X 63 X 85
Detection OP supply	24V dc supply
Hooter OP	110 db

EXIT LIGHT

An exit sign is a pictogram or short text in a public facility (such as a building, aircraft, or boat) denoting the location of the closest emergency exit to be used in case of fire or other emergency that requires rapid evacuation. Most relevant codes (fire, building, health, or safety) require exit signs to be permanently lit.

PRODUCT FEATURES:

- Edge Lit Long Life LED's
- Maintained / Non- Maintained typed
- Transparent Acrylic panel with single / double side option
- Status LED indicator (Main/ battery back Back-up)
- Wall /Ceiling mounted option
- 20 LED's (14 nos. for main's and 14 nos. for power back up)
- CRCA housing duly powder coated finish
- Screen printing /Engraved as per approved pictographs

TECHNICAL FEATURES:

MODEL NO.	PSS-EXTL
Power:	I/P 220 V A.C & 12 V DC
Housing:	Metal & Acrylic:
Power Consumption:	8 Watt
Weight:	As Product
Dimensions:	Customize
Colour:	Off-White
Battery:	Backup 3-4 Hour

EMERGENCY LIGHT

Twin spot emergency luminaries with 3 switches, each lamp spot can be switched on/off through tactile switch. Each lamp has 10W LEDS to supply high luminance.

Emergency lights are durable, high capacity units that are suitable for warehouses, factories and other spacious areas that require high voltage or wattages to illuminate efficiently. Heavy duty batteries are often necessary for harsh environments and emergency lighting where emergency lights may be required to withstand contact with or exposure to corrosive elements.

PRODUCT FEATURES:

- Low Battery Indication.
- Tactile Switch for on/off function.
- AC Fuse is in front.
- Flexible AC wire.
- In-built battery charger facility.

TECHNICAL FEATURES:

MODEL NO.	PSS – EGLP
Operating voltage Range	AC 220v 50Hz ± 10%
Operating Temperature	0º C to 55º C
Operating Humidity	95% (non-condensing)
Coverage Distance	Length : 10 Mtr, Width: 45 Mtr
Exit Board	High Glow Red Led
Construction	1.2 mm CRCA sheet duly power coated
Dimension	L 350mm * W 120mm * D 30mm
Color	Caramel White

HAND OPERATED SIRENS
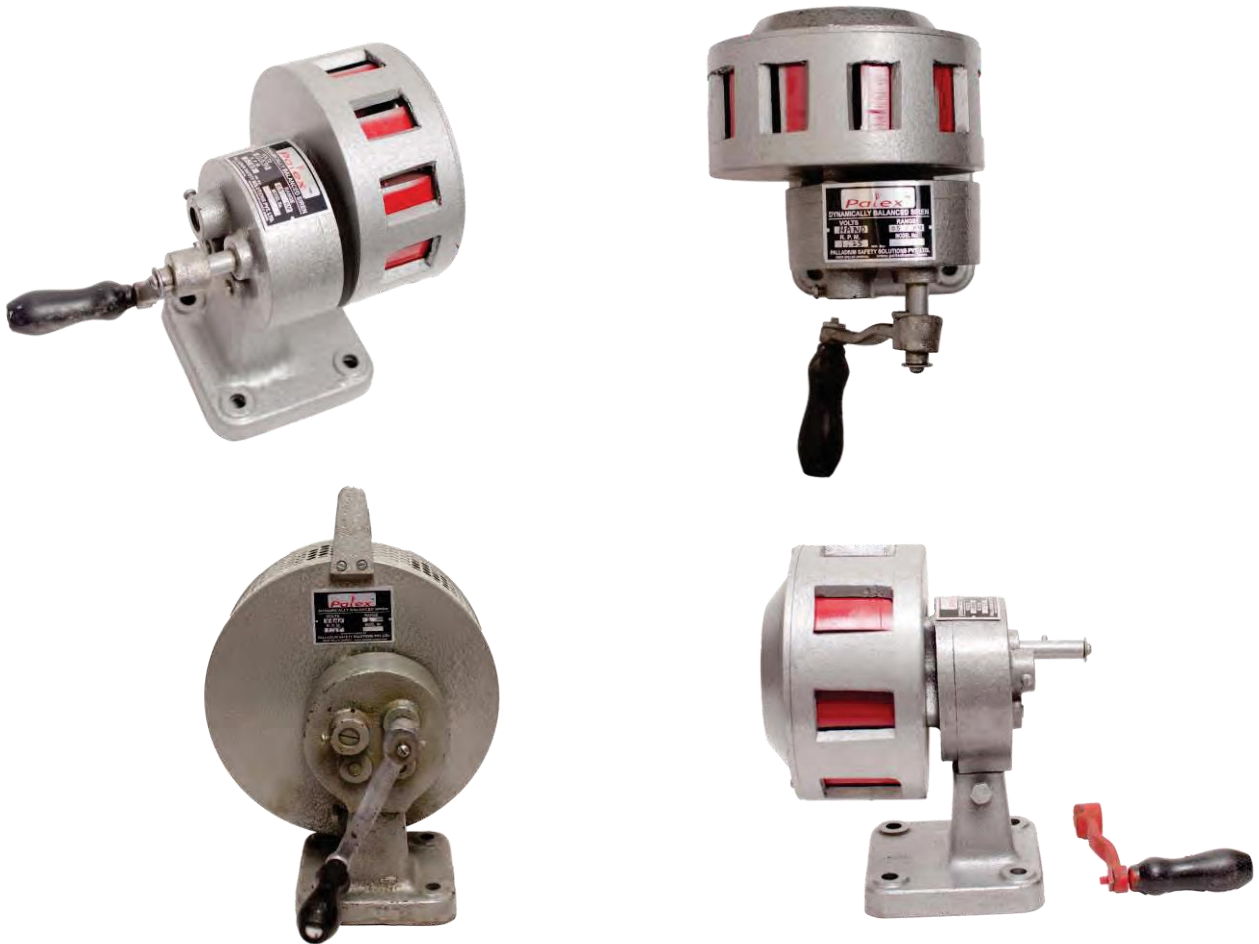
Hand Operated Industrial sirens are an loud alarming sound-making device. Earlier it was used as Civil defense sirens are mounted in fixed locations and used to warn of natural disasters or attacks. Nowadays its also used with Fire Alarm system or any other alarming applications.

MODEL NO.	PSS-ISHO-0.5	PSS-ISHO-1	PSS-ISHO-1.5	PSS-ISHO-2
Range	0.5 km	1 Km	1.5 Km	2 Km
Rotation			1/25	
Weight	5.6 Kg (Un-Packed)	6.5 Kg (Un-Packed)	9.5 Kg (Un-Packed)	9.5 Kg (Un-Packed)
Body Material	Aluminum Casting, Cast Iron & Steel			
Color	Gray			

ELECTRICITY AC 220V (SINGLE PHASE) OPERATED SIRENS

Electricity Operated Industrial sirens are an loud alarming sound-making device. Earlier it was used as Civil defense sirens are mounted in fixed locations and used to warn of natural disasters or attacks. Nowadays its also used with Fire Alarm system or any other alarming applications.

MODEL NO.	PSS-IS0.5	PSS-IS-1	PSS-IS-1.5	PSS-IS-2	PSS-IS-3
Rang	0.5km	1km	1.5km	2km	3km
RPM	10000				
Motor HP rating	1/8 HP	1/4 HP	1/2 HP	1/2 HP	1 HP
Material	Aluminum Casting				
Color	Gray				
Fitment	Horizontal				
Mounting	Single Headed		Double Headed		
Power INPUT	220 V AC				
Sound Output	0.5km	1km	1.5km	2km	3km
Current	1.1 Amp	1.1 Amp	1.1 Amp	4 Amp	6 Amp

HEAVY DUTY THREE PHASE SIRENS

Electricity Operated Industrial sirens are an loud alarming sound-making device. Earlier it was used as Civil defense sirens are mounted in fixed locations and used to warn of natural disasters or attacks. Nowadays its also used with Fire Alarm system or any other alarming applications.

| MODEL NO.	PSS-ISHD3	PSS-ISHD5
Range	3 KM	5 KM
RPM	2880	
Motor HP Rating	1 HP	
Body Material	Aluminum Casting	
Color	Gray	
Fitments	Horizontal	
Mounting	Double Headed	
Power Supply	440 V AC	
Sound Op	3 KM	5 KM
Current	2 Amp	

TUBE SUPPRESSION SYSTEM

Automatic Fire Suppression for Electrical Panels and Equipment is vital due to the high risk of potential fires. They are designed to offer uninterrupted support for your business but are often taken for granted. Not only is the critical function of the electrical cabinet compromised in a fire scenario it could spread to surrounding equipment causing devastating damage. Outdated infrastructure, faulty wires, poor maintenance and overloaded circuits are all risk factors for electrical fire.

The key to minimal fire damage is early detection and suppression to provide fast fire protection. The Clean Agent fire suppression system from Palex is installed directly at the point of the fire risk providing faster detection and suppression than conventional external fire detection systems.

Palex has a solution that will directly protect your critical assets and safeguard your business continuity, this is achieved with the Automatic Clean Agent Fire suppression system. The Clean Agent fire suppression technology offers protection for your class A, B & C risks and can be designed to allow for leakage and certain ventilation conditions.

PRODUCT FEATURES:

- Compact Design.
- Easy to install & Use.
- Resettable Power Function.
- It has a Test button to start a manual fire alarm.
- Silence button features on the panel for hooter silence.
- Flasher & Sounder system on the panel.
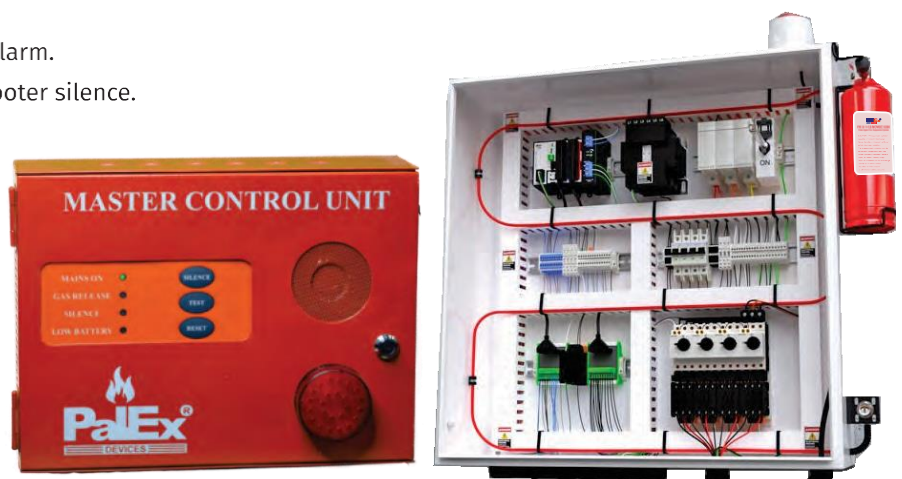
TECHNICAL FEATURES:

MODEL NO.	PSS – TUBSUPS
Cylinder Weight	2 Kg /4 Kg / 6 Kg
Gas	Clean Agent
Cylinder construction	1.2 mm CRCA sheet duly power coated
Operating Voltage Range	AC 220v 50Hz
Hooter out put	1A
Relay Output	NC, C, NO
Fuse for AC Power	1 A/ 250V glass tube fuse 5 X 20mm
Fuse for DC Power	1 A/ 250V glass tube fuse 5 X 20mm
Invirnmental	Class A temperature range: -5 to 40°C (23~104°F)
Humidity	5 to 95% RH, non-condensing
Terminal Block Rating	All terminals rated for 12 to18 AWG
	(0.75 to 2.5 mm2)

ABC DRY CHEMICAL POWDER
FIRE EXTINGUISHER

| 1KG | 2KG | 4KG | 6KG | 9KG |

ABC fire extinguishers are often the ideal choice because they can put out many different types of fires. They use a dry chemical known as monoammonium phosphate that can quickly put out the fire. It is a pale-yellow powder that is used to extinguish three classes of fire. ABC fire extinguishers are considered "multi-purpose" extinguishers which can be used on Class A, B, C fires as well Electric Fire.

The letters stand for the class of fire the extinguisher can be used against:

Class A	Class B	Class C
Extinguish fires involving paper, wood, textiles, cloth, rubber, trash, and plastics.	Extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.	Extinguish fires involving energized electrical equipment such as wiring, controls, motors, machinery, and appliances.

** also suitable for electric operated fire

MODEL No	PSS-ABCFE-1	PSS-ABCFE-2	PSS-ABCFE-4	PSS-ABCFE-6	PSS-ABCFE-9
Capacity	1kg	2kg	4kg	6kg	9kg
Anti-Corrosive Inhibitor	Epoxy Polyester Power Coating				
Confirming IS Code	IS 15683:2018				
Type of Extinguisher	Stored Pressure				
Type of Extinguisher media	Dry powder IS 4308:2019(Mono Ammonium Phosphate)				
Expellant	Pressurized with N2 gas				
Minimum Effective Discharge	85%				
Minimum Jet length	<3 MTR		<3.5	<4 MTR	
Discharge Time	<15Sec			<18 sec	
Hydraulic Test Pressure (kgf/cm2)	35 kgf/cm2				
Charge pressure	15kgf/cm2				
Operating Position	upright				
Operating Temperature °C	-10°C to +60°C				
Operating Valve	Squeeze grip type with nozzle		Squeeze grip type with hose pipe and nozzle		

CARBON DIOXIDE
FIRE EXTINGUISHER

CO2 fire extinguishers are often the ideal choice for liquid & Gas started fires. Flammable liquids such as petrol and oil (Class B) &Flammable gases are highly combustible in nature. A single spark of fire can lead to an explosive fire incidence, which in no time can turn into an inferno. Our CO2 Fire Extinguishers are Packed with tremendous power, which cut off the oxygen supply, and bring the temperature down drastically, stopping the fire in seconds.

The letters stand for the class of fire the extinguisher can be used against:

Class B	Class C
Extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.	Extinguish fires involving energized electrical equipment such as wiring, controls, motors, machinery, and appliances.

** also suitable for electric operated fire

MODEL NO.	PSS-CO2FE-2	PSS-CO2FE-4.5
Capacity	2kg	4.5kg
Confirming IS Code	IS 15683 : 2018	
Type of Extinguishing Media	Carbon Di-Oxide Gas	
Minimum Effective Discharge	95%	
Discharge Time (Sec.)	13 Sec	18 Sec
Testing Pressure (kgf/cm2)Working	128.7 Bar	131.56 Bar
Pressure (kgf / cm2)	60	90 Bar
Operating Position	Upright	
Operating Temperature °(c)	(-)10° C to (+)60° C	
Operating Valve	Wheel operated discharge Valve with Horn	Wheel operated discharge Valve with braided hose & Horn

MECHANICAL FOAM (AFFF)
FIRE EXTINGUISHER

AFFF Foam Extinguishers are suitable for use on Class A & B Fires. Foam extinguishers are especially good for use on material fires that are caused by wood, paper and textiles, cooling the flame by evaporation of the water in the foam. Good at combating flammable gases, as the foam creates a barrier between the flame and fuel.

Another good feature of the AFFF Foam Fire Extinguisher range is that the substance is non toxic and will not damage most materials.

The letters stand for the class of fire the extinguisher can be used against:

Class A	Class B
Extinguish fires involving paper, wood, textiles, cloth, rubber, trash, and plastics.	Extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.

MODEL No	PSS-AFFFFE-9
Capacity	9 Ltr.
Confirming IS Code	IS 15683 : 2018
Type of Extinguisher	Constant Pressure
Type of Extinguishing Media	Soft Water
Expellant	Pressurized With N2gas
Minimum Effective Discharge	95%
Discharge Time	< 13 Sec
Operating Position	Upright
Operating Temperature Range	(+)5° C to (+)60° C
Operating Valve	Squeeze grip type with Discharge Hose & Nozzle

WATER BASED
FIRE EXTINGUISHER

Water fire extinguishers are used to extinguish class A fires, or in other words fires involving flammable solids such as paper, wood, and textile materials. They are most commonly used within environments containing combustible materials such as warehouses, textile factories, storage facilities and office spaces. It can also be beneficial to use a water fire extinguisher within a domestic setting such as living rooms and bedrooms.

Water fire extinguishers cannot be used on electrical fires.

The letters stand for the class of fire the extinguisher can be used against:

Class A
Extinguish fires involving paper, wood, textiles, cloth, rubber, trash, and plastics.

MODEL NO.	PSS-WFE-9
Capacity	9 Ltr.
Confirming IS Code	IS 15683 : 2018
Type of Extinguisher	Constant Pressure
Type of Extinguishing Media	Soft Water
Expellant	Pressurized With N2gas
Minimum Effective Discharge	95%
Discharge Time	< 13 Sec
Operating Position	Upright
Operating Temperature Range	(+)5° C to (+)60° C
Operating Valve	Squeeze grip type with Discharge Hose & Nozzle

CLEAN AGENT BASED FIRE EXTINGUISHER

Clean Agent Fire Extinguishers contain environment friendly HFC gas as an extinguishing agent. Clean agent is a fire suppressant stored as liquid that discharges in the form of gas. Our Clean Agent Fire Extinguishers are effective for use on Class A (ordinary solids), Class B fires (flammable liquids) and Class C fires (flammable gases). These fire extinguishers can also be used on electrically actuated fires.

Clean Agent Fire Extinguishers are environmentally safe, leaves no residue and intended for the protection of facilities where electrical panels or electronic equipment's are installed.

Clean agent extinguishers act to extinguish a fire by smothering effect. As the extinguishing agent does not conduct electricity back to the user, they are most effective on electrical fires.

The letters stand for the class of fire the extinguisher can be used against:

Class A	Class B	Class C
Extinguish fires involving paper, wood, textiles, cloth, rubber, trash, and plastics.	Extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.	Extinguish fires involving energized electrical equipment such as wiring, controls, motors, machinery, and appliances.

** also suitable for electric operated fire

MODEL NO.	PSS-ABCFE-1	PSS-ABCFE-2	PSS-ABCFE-4	PSS-ABCFE-6	PSS-ABCFE-9
Capacity	1kg	2kg	4kg	6kg	9kg
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating				
Confirming IS code	IS 15683 : 2018				
Type of extinguisher	Stored Pressure				
Type of extinguisher media	Clean Agent Gas (HCFC123, HCFC226, HCFC227)				
Expellant	Pressurized With N2 gas				
Minimum effective discharge	85%				
Minimum jet Length	< 3 mtr		< 3.5 mtr		< 4 mtr
Discharge Time	< 15 Sec			< 18 Sec	
Hydraulic test pressure (kgf/cm2)	35 kgf/cm2				
Charged Pressure (kgf/cm2)	15 kgf/cm2				
Operating Position	Upright				
Operate on temperature°C	(-)10° C to (+)60° C				
Operating Valve	Squeeze grip type with Nozzle		Squeeze grip type with discharge hose and Nozzle		

CEILING MOUNTED/
MODULAR (AUTOMATIC) FIRE EXTINGUISHER

Ceiling Mounted/Modular type fire extinguishers are preferred where automatic fire detection and activation are required. Areas where human traffic is less or the storage areas, server rooms, IT rooms etc. where early detection of fire is needed, if a fire breaks out in such location automatically operating extinguisher is needed. Ceiling Mounted/Modular Fire extinguishers with detection and automatic activation are best suited for installation in these locations. In the event of a fire, after desired temperature is reached sprinkler bulb on the ceiling mounted extinguisher fuses and sprays ABC powder/Clean Agent with maximum force, ensuring that the fire is brought under control rapidly and efficiently. Standard temperature of sprinkler bulb is 68° C, other temperature variants are available as per requirements.

The letters stand for the class of fire the extinguisher can be used against:

Class A	Class B	Class C
Extinguish fires involving paper, wood, textiles, cloth, rubber, trash, and plastics.	Extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.	Extinguish fires involving energized electrical equipment such as wiring, controls, motors, machinery, and appliances.

** also suitable for electric operated fire

MODEL NO	PSS-CMMFE-5
Capacity	5kg
Anti-Corrosive Inhibitor	Epoxy polyester power coated
Type of extinguisher	Store pressure
Type of extinguisher media	ABC Powder/Clean Agent
Expellant	Pressurized with N2 Gas
Minimum effective discharge	95%
Testing Pressure (kgf/cm2)	35kgf/cm2
Charged pressure (kgf/cm2)	15kgf/cm2
Mounting	Ceiling mounting Type
Operate on temperature	Automatically at 57/68/93/107&143Deg.C

ABC DRY CHEMICAL POWDER TROLLY FIRE EXTINGUISHER

ABC fire extinguishers are often the ideal choice because they can put out many different types of fires. They use a dry chemical known as monoammonium phosphate that can quickly put out the fire. It is a pale-yellow powder that is used to extinguish three classes of fire. ABC fire extinguishers are considered "multi-purpose" extinguishers which can be used on Class A, B, C fires as well Electric Fire.

The letters stand for the class of fire the extinguisher can be used against:

Class A	Class B	Class C
Extinguish fires involving paper, wood, textiles, cloth, rubber, trash, and plastics.	Extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.	Extinguish fires involving energized electrical equipment such as wiring, controls, motors, machinery, and appliances.

** also suitable for electric operated fire

MODEL NO.	PSS-ABCTFE-25	PSS-ABCTFE-25	PSS-ABCTFE-25
Capacity	25kg	50kg	75kg
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating		
Confirming IS Code	IS 16018		
Type of Extinguisher	Gas Cartridge		
Type of Extinguishing Media	Dry Powder IS 4308 : 2019 MAP		
Expellant	Outer Cartridge CO2 2 Kg		
Minimum Effective Discharge	85%		
Minimum Jet Length	< 6 mtr	< 8 mtr	< 10 mtr
Discharge Time	< 30 Sec	< 45 Sec	< 60 Sec
Operating Temperature °(c)	(-)30° C to (+)55° C		

MECHANICAL FOAM (AFFF) TROLLY TYPE FIRE EXTINGUISHER

AFFF Foam Extinguishers are suitable for use on Class A & B Fires. Foam extinguishers are especially good for use on material fires that are caused by wood, paper and textiles, cooling the flame by evaporation of the water in the foam. Good at combating flammable gases, as the foam creates a barrier between the flame and fuel.

Another good feature of the AFFF Foam Fire Extinguisher range is that the substance is non toxic and will not damage most materials.

The letters stand for the class of fire the extinguisher can be used against:

Class A	Class B
Extinguish fires involving paper, wood, textiles, cloth, rubber, trash, and plastics.	Extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.

MODEL NO.	PSS-AFFFTFE-45
Capacity	45 Ltr.
Confirming IS Code	IS 16018
Type of Extinguisher	Gas Cartridege
Type of Extinguishing Media	AFFF IS 4989 : 2018
Minimum Effective Discharge	95%
Discharge Time	< 08 mtr.
Operating Temperature Range	(+)5° C to (+)60° C

CARBON DIOXIDE TROLLY
FIRE EXTINGUISHER

CO2 fire extinguishers are often the ideal choice for liquid & Gas started fires. Flammable liquids such as petrol and oil (Class B) &Flammable gases are highly combustible in nature. A single spark of fire can lead to an explosive fire incidence, which in no time can turn into an inferno. Our CO2 Fire Extinguishers are Packed with tremendous power, which cut off the oxygen supply, and bring the temperature down drastically, stopping the fire in seconds.

The letters stand for the class of fire the extinguisher can be used against:

Class B	Class C
Extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.	Extinguish fires involving energized electrical equipment such as wiring, controls, motors, machinery, and appliances.

** also suitable for electric operated fire

MODEL NO.	PSS-CO2TFE-6.5	PSS-CO2TFE-9	PSS-CO2TFE-22.5
Capacity	6.5kg	9kg	22.5kg
Confirming IS Code	IS 16018		
Type of Extinguisher	Stored Pressure		
Type of Extinguishing Media	Carbon Di-Oxide Gas		
Minimum Effective Discharge	95%		
Minimum Jet Length	< 6 mtr	< 8 mtr	< 10 mtr
Discharge Time	< 20 Sec	< 35 Sec	< 60 Sec
Operating Temperature °(c)	(-)30° C to (+)55° C		

ANTI-THEFT SYSTEM
FOR FIRE EXTINGUISHER

- Highly visible, compact design that's easily mountable
- Powerful 98dB warning alarm when activated
- Self-contained DC alkaline power source
- Indestructible polycarbonate housing.
- Deactivation cable provided for service.

TECHNICAL DETAILS

Steel Cable	
Thickness	At least 3.5 mm thick with protective cover.
Cable Protection	The steel cable attaching the alarm and the extinguisher has a protective layer to prevent rusting during the normal life span of the product.
Alarm	
Sound	Alarm audibility of 85 decibel (dB) at a distance of 1 meter
Alarm duration	Alarm sound for at least 2 minutes
Alarm deactivation	When the cable is inserted in alarm cable cavity
Alarm activation	When the cable is removed from the alarm cable cavity
Power	
Power Source	9 volts alkaline long life battery. Stand by life of battery at least 12 months
Power Consumption	Stand by mode (No Alarm condition) : No Power consumption. Alarm At 85 decibels : 40 mA
Alarm Body Construction	
Weight	340 grams inclusive of battery
Dimension	110 mm x 110 mm x 70 mm (length x breath x height)
Construction	Tamper proof design in rust proof polycarbonate housing

ABC DRY CHEMICAL POWDER

ABC Dry Powder is a multipurpose agent that is based on Mono Ammonium Phosphate. It is a fine solid powder that is yellow in colour and completely odourless.

ABC Dry Powder is designed for use against practically all classes of ABC fires. It is ISI marked and is completely non-hazardous and environmentally safe.

The letters stand for the class of fire the extinguisher can be used against:

Class A	Class A	Class A
extinguish fires involving paper, wood, textiles, cloth, rubber, trash, and plastics.	extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.	extinguish fires involving flammable gases like LPG and other gases

Technical Parameters

MODEL NO.	PSS-ABCDRYPOWDER
Confirming IS Code	Dry Powder IS 4308 : 2019 (Mono Ammonium Phosphate)

BC DRY CHEMICAL POWDER

BC Dry Powder is a siliconized sodium bicarbonate based dry chemical that is suitable to use on either Class B and C type fires. The application is designed for use against flammable liquid and gas fires. It is available in different grades like : BC -10, BC – 30, BC – 40, BC – 60, BC -80 and BC- 90.

The letters stand for the class of fire the extinguisher can be used against:

Class B	Class C
extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.	extinguish fires involving flammable gases like LPG and other gases

Technical Parameters

MODEL NO.	PSS-BCDRYPOWDER
Confirming IS Code	Dry Powder IS 4308 : 2019 (Bi - Carbonate)

AQUEUOUS FILM FORMING FOAM (AFFF)

Aqueous Film Forming Foam concentrate suppresses fire rapidly, providing excellent burn back performance, better drain type and low application rates.

AFFF's composition consists of Fluorocarbon and hydrocarbon surfactants blended with various solvents and preservatives. It produces a vapour – sealing film that spreads rapidly over the fuel surface to provide an immediate control over fire.

AFFF is available in three different types : Type 1% , Type 3 % and Type 6 % .

The letters stand for the class of fire the extinguisher can be used against:

Class B	Class C
extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.	extinguish fires involving flammable gases like LPG and other gases

Technical Parameters

MODEL NO.	PSS-AFFF
Confirming IS Code	AFFF IS 4989 : 2018

ALCOHOL RESISTANT AFFF (AR-AFFF)

AR-AFFF is an eco -friendly, totally synthetic blend of surfactants and special polymers. The foam creates a physical polymer – membrane barrier between the foam blanket and fuel surface. It is highly effective against hydrocarbon fires and with the addition of special polymers, it is also highly effective against polar solvents. It is highly versatile and so eliminates the need to stock a variety of foam types.

It gives a superior burn back resistance and post fire security. It is used in high risk situations where hydrocarbons (such as crude oil, gasoline, diesel fuel, aviation kerosene) and /or polar solvents (such as alcohols , ketones , esters and ethers) are stored , processed or transported.

AR-AFFF is available in three different proportioning types : 1% X 3 % , 3 % X 3 % and 3 % X 6 % .

Class B	Class C
extinguish fires involving flammable liquids, solvents, oil, gasoline, paints, lacquers, and other oil-based products.	extinguish fires involving flammable gases like LPG and other gases

Technical Parameters

MODEL NO.	PSS-AFFF
Confirming IS Code	AR-AFFF IS 4989 : 2018

HYDRANT/LANDING VALVE

Fire Hydrant Valves are efficient in fighting large fires. They allow firefighters to extinguish the fire from a distance. Pumping facility is the most important part of the fire hydrant system. The main use of the pump is to pull the water from the reservoir and supply the same pressure to the hydrant points enabling firefighters to extinguish the fire effectively. In order to connect and operate fire fighting equipment from a hydrant valve, the pressure rating must be 100 psi (7 kg/cm2). But, it varies depending on the size of the building.

MODEL NO.	PSS-LVTA-SS	PSS-LVTA-GM	PSS-LVTB-SS
TYPE	SINGLE HEADED OBLIQUE TYPE		DOUBLE HEADED OBLIQUE TYPE
INLET	"FLANGED -FLAT FACED		
OUTLET	OUTLET OF 63 MM FEMALE INSTANTENEOUS COUPLING WITH LUGS		
DESIGN STD	IS:5290 - 1993 TYPE - A		IS:5290 - 1993 TYPE – B
OPERATION	BY HAND WHEEL		
STEM	RISING		
HYDRAULIC TEST PRESSURE	21 KGF/SQ.CM FOR 150 secs		
WATER TIGHTNESS	14 KGF/SQ.CM FOR 150 secs		
FLOW TEST	900 LPM AT 7 Kg/cm2		1800 LPM AT 7 Kg/cm2
PAINTING	PO RED shade as per IS 538, of IS:5		
MOC	AVAILABLE IN GM / SS		AVAILABLE IN SS
APPROVAL	ISI MARKED		

FIRE BRIGADE INLET CONNECTION

Fire Brigade Inlet allows Fire Tenders to pump in water into the Dry Riser/ Wet Riser/ Sprinkler system piping using external water sources such as hydrants. Fire Brigade Inlet is fitted with required number of standard Male Instantenous inlets to feed the Riser pipe.

Our Fire Brigade Inlet having Cast Iron body with 2/3/4 Nos. 63 mm size Gunmetal Male Instantaneous inlets (with NRV) and 150 mm size flanged outlet, suitable for connection to Dry Riser piping.

MODEL NO.	PSS-FBIC-2	PSS-FBIC-3	PSS-FBIC-4
Body	Cast Iron Body & Gun Metal Inlets		
Inlet	63mm Two Inlet with NRV	63mm Three Inlet with NRV	63mm Four Inlet with NRV
Outlet	100mm Flanged		150mm Flanged
Working Pressure	10 Bar		
Test Pressure	20 Bar		

RRL (REINFORCED RUBBER LINED) HOSE PIPE WITH MALE–FEMALE COUPLING

RRL hose pipe stands for reinforced rubber lined hose which is used for transmitting water, foam, fluids, etc. RRL hose is used to deliver fluids and water at very high pressure. These RRL hose pipes are made by reinforcing rubber jacket layers. The rubber jacket layer is made up of a special blend of cotton and synthetic yarn so that they are able to withstand high pressure and different weather conditions. Reinforcing provides abrasion and corrosion resistance to hose pipes which makes these hose pipes very durable and increases its life.

RRL Hose pipe is preferred by firefighting men as they are light in weight and are able to withstand high backpressure. Since they are made of rubber layers so they are flexible and are easy to use due to its flexibility. These hose pipes are resistant against chemicals, acids, oils, grease, and can be used to transmit any chemicals or foam or water.

MODEL NO.	PSS-RRLH-SS-15	PSS-RRLH-SS-30	PSS-RRLH-GM-15	PSS-RRLH-GM-30
SIZE	63 mm			
HOSE DESIGN STD	IS : 636			
LENGTHS	15 Mtr.	30 Mtr.	15 Mtr.	30 Mtr.
MATERIAL	Rubber Lined Woven Synthetic Jacketed type conforming to IS:636 Type – A			
WORKING PRESSURE (HOSE)	14 Kgf/cm2			
BURST PRESSURE (HOSE)	35.7 Kgf/cm2			
PROOF PRESSURE (HOSE)	21.4 Kgf/cm2			
COUPLING DESIGN STD	IS : 903			
COUPLING SIZE	63mm DIA (Nominal diameter)			
END CONNECTIONS	Instantaneous Male and Female (Fitted with coupling ends by copper Wire)			
COUPLING MOC	AVAILABLE IN SS		AVAILABLE IN GM	
APPROVAL	ISI MARKED			

SHORT BRANCH PIPE

Short branch pipe nozzles are the main firefighting equipment when it comes to extinguishing the fire by spraying water, foam or chemical streams. Nozzles are made of different metals which are usually connected with the hose pipe on one end. On the other end, there is another opening that generates streams of the liquid or foam transmitting through the hose pipe. The volume of the stream depends on the diameter of the nozzle.

MODEL NO.	PSS-SBPSS	PSS-SBPGM
TYPE	SHORT BRANCH PIPE WITH 20 mm DIA NOZZLE	
INLET	63 mm dia	
OUTLET	20 mm dia	
DESIGN STD	IS:903	
END CONNECTIONS	INSTANTANEOUS MALE	
HYDRAULIC TEST PRESSURE	21 KGF/SQ.CM FOR 150 secs	
FINISH	BUFFED FINISH	
MATERIAL OF CONSTRUCTION	STAINLESS STEEL	GUN METAL
APPROVAL	ISI MARKED	

FIRE HOSE DELIVERY COUPLING

Fire hose couplings are used to quickly connect and disconnect hoses during water delivery applications. Our fire hose couplings are instantaneous Male Female, that are available in either stainless steel or gunmetal. They can be easily connected to our range of hose pipes and Branch Pipe.

MODEL NO.	PSS-FHDC-SS	PSS-FHDC-GM
TYPE	INSTANTANEOUS Male and Female	
SIZE	63mm DIA (Nominal diameter)	
HOSE DESIGN STD	IS : 903	
COUPLING MOC	AVAILABLE IN STAINLESS STEEL	AVAILABLE IN GUN METAL
WORKING PRESSURE	14 Kgf/cm2	
APPROVAL	ISI MARKED	

FIREMAN AXE

Firefighter Axe. Fireman axes are among the most common firefighting tools. Fireman Axe can be used for smashing windows or doors to gain entry, or to chop holes in a roof for ventilation, also its can hold upto 20000 volts.

MODEL NO.	PSS-FMA
Material of Axe Head	Carbon Steel conforming to IS 3748
Handle	Rubber moulded Steel
Length	0.4 Mtr.
Weight	3 Kg
IS Standard	As per IS-926
Voltage Capacity	20000 Volts

FIRST AID HOSE REEL DRUM

Fire Hose Reels provide a reasonably accessible and controlled supply of water to combat a fire. We have three types of Hose Reel drums, Hose Reel drum As per IS-884, Malaysian Type Hose reel Drum & J Style Hose Reel Drum, all these made of high-quality mild steel powder coated in red colour, Thermoplastic Hose (IS: 12585) with 20 mm diameter. Nozzle (GM/ABS) hydraulically crimped to hose with metal crimping. Operating at 10 bar working pressure without leakage with flow rate 22.5 lpm at 07 bar pressure.

MODEL NO.	PSS–HRDISI	PSS–HRDCPQ	PSS–HRDJS
Standards	IS-884	Malaysian	Bombay Style
Type	A, 180 deg Swimming Type, Wall Mounted		
Size	Inlet 20 MM		
Water Flow Rate	MIN. 22.5 LPM at Min. 7.0 BAR Inlet Pressure		
Range of Jet	MIN. 6.0 MTRS at Min. 7.0 BAR Inlet Pressure		
Working Pressure	1.2MPa (12 Bar)		
SIDWS, Hub, Wall Bracket	MS Sheet Conforming to IS 513		
Swivel Joint	Grade LTB2 of IS 318		
Pipe with Fittings	IS 1239 (Part 1)		
Pipe Length	30 Mtr or 36 mtr.		

HOSE REEL DRUM PIPE

Hose pipes play a very important role in firefighting as it delivers the water from the pumps and hydrants to the desired application area. So as to ease the firefighting process these hose pipes should meet the desired properties for water and chemical fluid transportation. Thermoplastic hose pipes are used for water delivery and another firefighting process. These hose pipes are made in layers reinforced with each other. In this manner, they are able to achieve great strength. The lining of these hose pipes is made up of flexible thermoplastic and has a very smooth surface and bore. This way hose pipes are made flexible so that it can be easily used and can be turned in different directions very easily.

MODEL No	PSS-HRP
Size	20mm x 30 Meter (Standard)
weight	8 kilogram
Length	30 Meter and 36 Meter
Type	I & II
Nozzle	ABS or GM

FIRE HOSE BOX/CABINET SINGLE DOOR

Fire Hose Box are used to store the firefighting equipment like Fire Hose, Branch Pipes etc. These cabinets provide best protection from the environmental damage to the fire equipment. These cabinet come with MS Housing as well FRP housing inbuild key box pouch also there.

Model No	PSS-HBSD
Mounting Type	Wall mountable
Size	Standard
Body Material	Red
Coating	Powder coated

FIRE HOSE BOX/CABINET DOUBLE DOOR

Model No	PSS-FHB-DD-H, PSS-FHB-DD-C, PSS-FHB-DD-N
Mounting Type	Wall mountable
Size	Standard
Body Material	Red
Coating	Powder coated
Number of Door	2

FIRE SHAFT DOOR – SINGLE/DOUBLE DOOR

Fire Shaft Doors are used to store the firefighting equipment like Fire Hose Reels Drum, Hydrant Landing Valve, RRL Hose Pipe, Branch Pipes etc. These cabinets provide best protection from the environmental damage to the fire equipment.

Model No	PSS-FHB-DD-H, PSS-FHB-DD-C, PSS-FHB-DD-N
Mounting Type	Wall mountable
Size	Customize
Material of construction	MS CRC Sheet
Body Color	Red
Color Type	Power Coated
Number of Opening	Customize

FIRE RATED DOORS

Fire doors are meant to be reliable and of critical importance at both residential and commercial infrastructures. In a fire event the door requires, strength, durability, and maximum fire resistance, and these fire rated steel doors meet the needs.

GENERAL SPECIFICATIONS:

- Fire Rated Doors are manufactured with 0.8/1.20 thick GI sheets or Wood Sheet. Other specifications also available based on the customer request.
- Infill Rockwool .

Hardware :

- Panic Bar / Lever type Lock
- External Trim
- Vision Panel
- Door Closer Fire rated
- Fire Rated Door Drop Seal
- Fire Rated Seal Between Door and Frame

FIRE BUCKET STAND

A Fire Bucket is filled with sand or water and is used to extinguish fires. Sand is often used where there is a risk of spilled flammable liquid which might ignite and spread by flowing across the ground. The sand is deployed to act as a barrier to the flowing liquid.

Water filled fire buckets are sometimes used where a water extinguisher might not be convenient, or where a supplement is prudent.

MODEL NO.		PSS-FBST
Capacity		4 Bucket, 2 Bucket, 1 Bucket
Colour		Red
Finish		Powder Coated Finish
Top Handle		MS Road

FIRE BUCKET

Model No	PSS-DOL
Capacity	10 Liter
Color	Red
Finish	Power Coated
Top Handle	MS Road
IS standard	As per IS 2546

DIRECT ONLINE STARTER PANEL

The DOL is the simplest type of motor starter used to start a 3 phase induction motor. The induction motor is connected across the 3-phase supply directly where the DOL starter applies the full line voltage(starting current) onto the motor terminals. No damage is done to the motor because the DOL also acts as a protection device and condition monitoring, which prevents the induction motor from damaging.

PRODUCT FEATURES:

- Operates on 440V AC, 50 Hz AC supply
- R, Y, B and ON Indication
- Short circuit and overload protection
- Automatic and manually operated
- Easy to operate
- High Performance
- Easy installation and connection
- Wall mounted

TECHNICAL FEATURES:

Model No	PSS-DOL
Operating Voltage Range	AC 440 V 50 Hz
Weight	7.7 Kg
Construction	16 swg crca steel
Dimension	L350 mm *W300mm* D175mm
Color	Red

STAR DELTA STARTER PANEL

Though induction motors need to be started directly on line, when large motors are started this way, it may tend to cause a disturbance of voltage on the supply lines. To avoid this problem, large induction motors are mostly started at reduced voltage and then reconnected with full supply voltage. And there are two methods to reduce the starting voltage, one is star delta starting, and the other one is autotransformer starting. This starter operates on 440V AC, 50 Hz AC supply, and can be operated both manually and automatically. They are not only simple to operate, but also, are ready to install and use once they are wall-mounted.

PRODUCT FEATURES:

• Operates on 440V AC, 50 Hz AC supply
• R, Y, B and ON Indication
• Short circuit and overload protection
• Automatic and manually operated
• Easy to operate
• High Performance
• Easy installation and connection
• Wall mounted

TECHNICAL FEATURES:

MODEL NO.	PSS – SDS
Operating voltage Range:	AC 440v 50Hz
Weight:	13 kg
Construction:	16 swg crca steel
Dimension:	L 450mm * W 450mm * D 250mm
Color:	Red

Palladium Safety Solutions (P) Ltd.