



“आग से बचेगा इंडिया
तभी तो सुरक्षित रहेगा
इंडिया ”



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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, current limited, monitored	
Auxiliary output	2*12V/ 7Ah sealed lead acid gel, self-regulated *	
Batteries		
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 IP65	
Terminal blocks rating	(0.75 to 2.5 mm ²)	

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	0° C to 55° 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

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

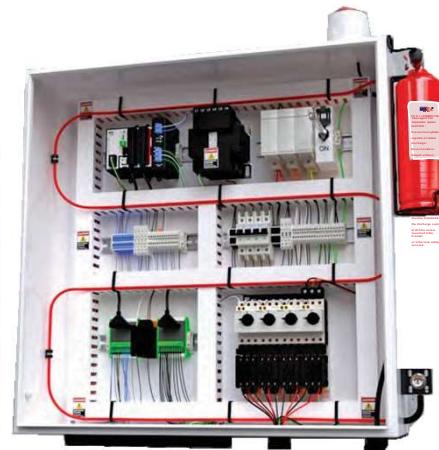
Automatic Fire Suppression for Electrical Panels and Equipment is vital due to the high risk of potential fires. They are designed to offer uninterrupted support for your business but are often taken for granted. Not only is the critical function of the electrical cabinet compromised in a fire scenario 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 Weightage:	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 Output	1A
Relay Output	NC, C, NO
Fuse for AC Power:	1 A/ 250V glass tube fuse 5 X 20mm
Fuse on DC Power:	1 A/ 250V glass tube fuse 5 X 20mm
Environmental:	Class A temperature range: -5 to 40°C (23~104°F)
Humidity:	5 to 95% RH, non-condensing
Terminal blocks rating:	All terminals rated for 12 to18 AWG (0.75 to 2.5 mm ²)

ABC DRY CHEMICAL POWDER 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-ABC-FE-1	PSS-ABC-FE-2	PSS-ABC-FE-4	PSS-ABC-FE-6	PSS-ABC-FE-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 Extinguishing 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 mtr	< 4 mtr								
Discharge Time	< 15 Sec	< 18 Sec									
Hydraulic Test Pressure (kgf/cm ²)	35 kgf/cm ²										
Charged Pressure (kgf /cm ²)	15 kgf/cm ²										
Operating Position	Upright										
Operating Temperature °(c)	(-)10° C to (+)60° C										
Operating Valve	Squeeze grip type with Nozzle	Squeeze grip type with discharge hose 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/cm ²)Working	128.7 Bar	131.56 Bar
Pressure (kgf / cm ²)	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	Stored Pressure
Type of Extinguishing Media	AFFF IS 4989 : 2018
Expellant	Pressurized With N2 gas
Minimum Effective Discharge	95%
Discharge Time	< 03 mtr.
Operating Position	Upright
Operating Temperature Range	(+5)° C to (+60)° C
Operating Valve	Squeeze grip type with Discharge Hose & Nozzle

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		

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/cm ²	1800 LPM AT 7 Kg/cm ²	
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 Instantaneous 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/cm ²			
BURST PRESSURE (HOSE)	35.7 Kgf/cm ²			
PROOF PRESSURE (HOSE)	21.4 Kgf/cm ²			
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 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 Mounted
Size	Standard/Customize
Body Material	Cold Rolled Steel Sheet/FRP
Coating	Red Powder Coating

FIRE HOSE BOX/CABINET DOUBLE 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-FHB-DD-H, PSS-FHB-DD-C, PSS-FHB-DD-N
Mounting Type	Wall Mounted
Size	Standard/Customize
Body Material	Cold Rolled Steel Sheet/FRP
Coating	Red Powder Coating
Number of Door	2

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 BUC

MODEL NO.	PSS-FB
Capacity	10 Ltr.
Colour	Red
Finish	Powder Coated Finish
Top Handle	MS Road of 10mm Dia
IS Standard	As Per IS-2546

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