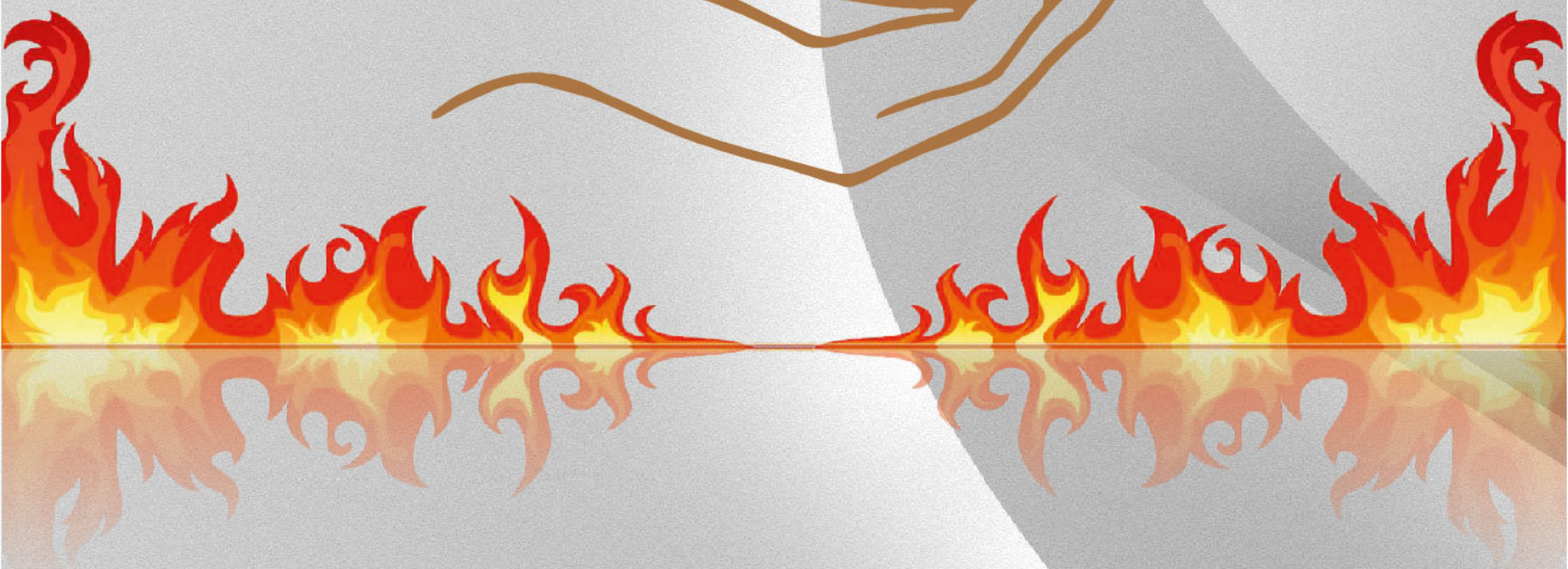


IS:15683  
  
CM/L-2529155



CE

Way to Extinguish Worries!



**NOT JUST FIRE EXTINGUISHERS**  
**WE CREATE FIRE EXTINGUISH WISHERS**





We consider firefighting as a very critical job, that demands both knowledge and nerves. One should know the class of fire before dousing it, or else the fire extinguisher could do more damage than the fire itself.

In order to keep such situations at bay & quell fires effectively, we have created mono- ammonium phosphate powder (MAP) based extinguishers that take such uncertainties out of the equation. Being a multipurpose firefighting agent, -MAP extinguishes Class - A, B, C & electrically started fires, with ease. So that when you douse a fire, you can forget about its class & simply concentrate your energies to knock it down.

## ABC Powder Portable Fire Extinguishers

CONFORMING TO BIS STANDARDS

APPLICABLE ON FIRES INVOLVING



IS:15683



CM/L-2529155



## TECHNICAL SPECIFICATIONS

Model	AS - 1	AS - 2	AS - 4	AS - 6	AS - 9	ASSP - 25
Capacity (in kg)	1	2	4	6	9	25
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Type of Extinguishing Media	Dry Powder IS 14308	Dry Powder IS 14308	Dry Powder IS 14308	Dry Powder IS 14308	Dry Powder IS 14308	Dry Powder IS 14308
Expellant	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas
Minimum Effective Discharge (%)	85	85	85	85	85	85
Minimum Jet Length (in metres)	More than 2	More than 2	More than 2	More than 2	More than 2	More than 6
Discharge Time (in seconds)	More than 8	More than 8	More than 13	More than 13	More than 13	More than 30
Hydraulic Test Pressure (in kgf/sq. cm)	35	35	35	35	35	35
Operating Position	Upright	Upright	Upright	Upright	Upright	Upright
Operating Temperature Range (in Celsius)	(-30 to +60)	(-30 to +60)	(-30 to +60)	(-30 to +60)	(-30 to +60)	(-30 to +55)
Operating Valve	Squeeze Grip with Nozzle	Squeeze Grip with Nozzle	Squeeze Grip with Discharge Hose	Squeeze Grip with Discharge Hose	Squeeze Grip with Discharge Hose	Controllable Discharge Valve Mechanism
Fire Rating	1A & 21B	1A & 21B	2A & 55B	3A & 89B	4A & 144B	20A & 233B



Electronic equipment in any organisation creates its backbone, as several daily activities depend on their proper function. Fire at such a place can not only result into huge financial loss, but can also shutdown all business operations.



Way to Extinguish Worries!

Keeping these facts in mind, we have created CO2 extinguishers that are hard on fire but easy on operations. These extinguishers displace fire fuelling Oxygen from the surroundings, suffocating fire through a blanket effect. Being gas based and electrically non-conductive, they don't affect any of your sensitive electronic equipment.

## Carbon Dioxide Portable Fire Extinguishers

### TECHNICAL SPECIFICATIONS

Model	AS Co2- 4.5	AS Co2 - 2
Capacity (in kg)	4.5	2
Filling Ratio	0.667	0.667
Type of Extinguishing Media	Co2 Gas Conforming to IS:15222	Co2 Gas Conforming to IS:15222
Expellant	Self	Self
Minimum Effective Discharge (%)	95	95
Minimum Throw (in metres)	More Than 2	More Than 1
Minimum Discharge Time (in seconds)	More than 8	More than 8
Operating Position	Upright	Upright
Operating Temperature Range (in Celsius)	(-)30 to (+)60	(-)30 to (+)60
Operating Valve (IS 3224)	Squeeze Grip / Wheel Type	Squeeze Grip / Wheel Type
Fire Rating	55B	21B



AS CO2-4.5

AS CO2-2



### APPLICABLE ON FIRES INVOLVING



## Carbon Dioxide Trolley Fire Extinguishers

### TECHNICAL SPECIFICATIONS

Model	AS Co2 - 6.5	AS Co2 - 9	AS Co2 - 22.5
Capacity (in kg)	6.5	9	22.5
Filling Ratio	0.667	0.667	0.667
Type of Extinguishing Media	Co2 Gas Conforming to IS:15222	Co2 Gas Conforming to IS:15222	Co2 Gas Conforming to IS:15222
Expellant	Self	Self	Self
Minimum Effective Discharge (%)	95	95	95
Minimum Throw (in metres)	More than 2	More than 2	More than 2
Minimum Discharge Time (in seconds)	More than 8	More than 8	More than 8
Operating Position	Upright	Upright	Upright
Operating Temperature Range (in Celsius)	(-)30 to (+)55	(-)30 to (+)55	(-)20 to (+)55
Operating Valve (IS 3224)	Squeeze Grip/ Wheel Type	Squeeze Grip/ Wheel Type	Squeeze Grip/ Wheel Type
Fire Rating	55B	55B	89B



AS CO2-6.5

AS CO2-9

AS CO2-22.5







Although carbon Dioxide fire extinguishers are considered fine for use on most of electrical & electronic Aequipment, the ultra-sensitive equipment demand something more. Something that could go beyond the firefighting strength of Carbon Dioxide, but stay ultra-light on the equipment.

Our Clean Agent Fire extinguishers are made exactly for this purpose. Clean agent gas, these extinguishers can work on multiple fires including Class A fires, where carbon dioxide can't do much. Being gas based, these extinguishers are electrically non-conductive. Hence, they also minimise the post fire damage significantly by leaving no residue.

## Clean Agent Portable Fire Extinguishers

### TECHNICAL SPECIFICATIONS

Model	ASC - 2	ASC - 4
Capacity (in kg)	2	4
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Type of Extinguishing Media	HCFC 123	HCFC 123
Expellant	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas
Minimum Effective Discharge (%)	95	95
Minimum Jet Length (in metres)	More than 2	More than 2
Discharge Time (in seconds)	More than 8	More than 8
Hydraulic Test Pressure (in kgf/sq. cm)	35	35
Operating Position	Upright	Upright
Operating Temperature Range (in Celsius)	(-30 + 60)	(-30 + 60)
Operating Valve	Squeeze Grip with Nozzle	Squeeze Grip with Discharge Hose
Fire Rating	1A & 21B	1A & 34B



### APPLICABLE ON FIRES INVOLVING



### APPLICABLE ON FIRES INVOLVING



## Modular Automatic Fire Extinguishers

Extinguishing Agent	ABC Dry Powder		Clean Agent	
Capacity (in kg)	5	10	5	10
Can Construction	Mild Steel	Mild Steel	Mild Steel	Mild Steel
Automatic Activation Temperature (in Celsius)	68	68	68	68
Height (in mm)	250	260	250	260
DIA (in mm)	240	250	240	250
Gross Weight (in kg)	8	14	8	14
Test Pressure (in kg/sq. cm)	35	35	35	35
Super Charge Pressure (in kg/sq. cm)	15	15	15	15
Discharge Time (in Seconds)	8	10	8	10
Area Coverage	4 sq. m	6 sq. m	4 sq. m	6 sq. m



# Water & Foam Portable Fire Extinguishers

(Stored Pressure)



## TECHNICAL SPECIFICATIONS

Model	ASW - 9	ASF - 9
Capacity (in Ltr.)	9	9
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Type of Extinguishing Media	Soft Water	Soft Water / AFFF Foam IS 4989
Expellant	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas
Minimum Effective Discharge (%)	95	95
Minimum Jet Length (in metres)	More than 2	More than 2
Discharge Time (in seconds)	More than 13	More than 13
Hydraulic Test Pressure (in kgf/sq. cm)	35	35
Operating Position	Upright	Upright
Operating Temperature Range (in Celsius)	(+5 to (+)60	(+5 to (+)60
Operating Valve	Squeeze Grip with Discharge Hose	Squeeze Grip with Discharge Hose
Fire Rating	3A	4A & 144B



ASW-9

ASF-9

## APPLICABLE ON FIRES INVOLVING

### WATER



### FOAM



**CAUTION: NOT TO BE USED ON ELECTRICALLY STARTED FIRES**

**Also Available in Gas Cartridge Type**

# Wet Chemical K-Type Fire Extinguishers

**B**e it a Restaurant chain, a Hotel or cafeteria, commercial kitchens in these places contain elements that can cause a sudden fire. That's why understanding commercial kitchen fire protection and fire prevention and safety is crucial to preventing death in the event of a fire.

K-type fires are caused when edible cooking oil or fat is heated to a certain temperature where flammable gases start to form.

This is precisely where a specialist K-type fire extinguisher is important. They are extremely effective in putting out fires in restaurant ventilation equipment - hoods and ductwork, as well as in a variety of cooking appliance fires such as deep fat fryers, griddles, range tops, and several types of boilers thanks to their stainless steel body. Dousing K-type fires is easy and safe thanks to their excellent flame knockdown, surface cooling, and fire-securing capabilities.

## TECHNICAL SPECIFICATIONS

Model	AS WC - 2	AS WC - 4	AS WC - 6
Capacity (in Ltr.)	2	4	6
Filling Ratio	0.667	0.667	0.667
Type of Extinguishing Media	Wet Chemical	Wet Chemical	Wet Chemical
Expellant	Nitrogen	Nitrogen	Nitrogen
Min. Effec. Discharge (%)	95	95	95
Min. Throw (in mtr.)	1	2	2
Min. Discharge Time (in sec)	More than 8	More than 8	More than 8
Operating Temp. Range (in Celsius)	(+5 to (+)60	(+5 to (+)60	(+5 to (+)60
Operating Valve	squeeze Grip	squeeze Grip	squeeze Grip
Hydraulic Test	35	35	35



ASWC - 2

ASWC - 4

ASWC - 6

## APPLICABLE ON FIRES INVOLVING



• **Stainless Steel Construction**

• **For Kitchen Fires**

• **Rust Proof**



# ABC/BC Powder Based Trolley Mounted Fire Extinguishers



ASSP-25



ASTM-25



ASTM-50



ASTM-75

Side

## APPLICABLE ON FIRES INVOLVING FOR ABC DRY POWDER FIRE EXTINGUISHERS



## APPLICABLE ON FIRES INVOLVING FOR BC DRY POWDER FIRE EXTINGUISHERS



## CONFORMING TO BIS STANDARDS

### TECHNICAL SPECIFICATIONS

Model	ASSP / ASTM - 25	ASTM - 50	ASTM - 75
Capacity (in kg)	25 Kg	50 Kg	75 Kg
IS Specification	IS:16018	IS:16018	IS:16018
Throw of Jet Maintain	8 Sec	16 Sec	16 Sec
Temperature Range	-30°C to +55°C	-30°C to +55°C	-30°C to +55°C
At Least 90% of Contests	25-30 Sec	40-50 Sec	50-60 Sec
Range of Jet	6 Mtrs.	8 Mtrs.	10 Mtrs.
Fire Rating	20A & 233B	10A & 233B	20A & 233B
Working Pressure	15Kgf/Cm <sup>2</sup>	15Kgf/Cm <sup>2</sup>	15Kgf/Cm <sup>2</sup>
Hydro Pressure	35Kgf/Cm <sup>2</sup>	35Kgf/Cm <sup>2</sup>	35Kgf/Cm <sup>2</sup>
Bursting Pressure	55Kgf/Cm <sup>2</sup>	55Kgf/Cm <sup>2</sup>	55Kgf/Cm <sup>2</sup>



# Water & Foam Trolley Mounted Fire Extinguishers



## TECHNICAL SPECIFICATIONS

Model	ASW-45	ASMF-45
Capacity (in Ltr.)	45	45
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Type of Extinguishing Media	Soft Water	Soft Water / AFFF Foam IS 4989
Expellant	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas
Minimum Effective Discharge (%)	95	95
Minimum Jet Length (in metres)	More than 2 Mtr.	More than 2 Mtr.
Discharge Time (in seconds)	More than 13 Sec.	More than 13 Sec.
Hydraulic Test Pressure (in kgf/sq. cm)	35	35
Operating Position	Upright	Upright
Operating Temperature Range (in Celsius)	(+5 to +)55	(+5 to +)55
Operating Valve	Squeeze Grip with Discharge Hose	Squeeze Grip with Discharge Hose
Fire Rating	10A	10A & 233B



ASW-45



ASMF-45

## APPLICABLE ON FIRES INVOLVING

### WATER



### FOAM



## CONFORMING TO BIS STANDARDS

## D-Type Fire Extinguisher for Metal Fires

**M**etal fires pose special problems to the fire fighting operations. Water and foam cannot be used as fire extinguishing agent because many metals react violently with water even at room temp. Ordinary dry chemical powders are not suitable for fighting metal fires. TERNARY EUTECTIC CHLORIDE is developed, registered & patented by ISRO, Dept. of space-Govt of India suitable for all class D fire risk including light metals like Li, Na, K, Mg, etc and their alloys.

## TECHNICAL SPECIFICATIONS

Model	ASD - 4	ASD - 6
Capacity	4 kg	6 kg
Hydraulic Test Pressure	35 kgf/cm <sup>2</sup>	35 kgf/cm <sup>2</sup>
Service Pressure	15 kgf/cm <sup>2</sup>	15 kgf/cm <sup>2</sup>
Type of Extinguisher Media	Chloride based Dry Powder	Chloride based Dry Powder
Operating Position	Upright	Upright
Discharge Time	More than 18 Second	More than 18 Second
Minimum Effective Discharge	85%	85%
Minimum Jet Length	More Than 0.5m	More Than 0.5m
Class	D Class of Fires Only	D Class of Fires Only
Expellant	Pressurized with N <sub>2</sub> gas	Pressurized with N <sub>2</sub> gas
Operating Valve	Squeeze Grip Type	Squeeze Grip Type
Nozzle	Low Pressure Nozzle	Low Pressure Nozzle



ASD-4

ASD-6





## LANDING / HYDRANT VALVE

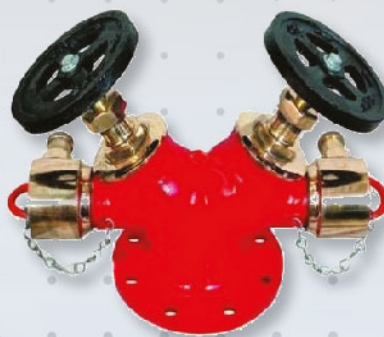
IS:5290



Single Landing Valve  
Type (A) Gun Metal



Single Landing Valve  
Type (A) Stainless Steel



Double Landing Valve  
Type (B) Gun Metal



Double Landing Valve  
Type (B) Stainless Steel

Size : 63 mm | Conforming Specification : IS : 5290 : 1993  
Inlet : 80 mm NB Flanged | Outlet : Female Instantaneous

Size : 63 mm | Material : Gun Metal/Stainless Steel  
Inlet : 100 mm NB Flanged | Outlet : Female Instantaneous

### TECHNICAL SPECIFICATIONS

Type of Material	Gun Metal	Stainless Steel
Body Bonnet Assembly	LTB - IS : 318	Stainless Steel:- IS 3444
Valve Spindle	Brass Rod - IS : 319/320	Stainless Steel:- IS 66003
Cast Iron Wheel	IS - 210	IS - 210
Rubber Washer	IS : 937 (Type-A)	IS : 937 (Type-A)
Spring	Phosphorus Wire:- IS 7608	Stainless Steel:- IS 6528
Gland Packing	Asbestos Thread:- IS:4687 (Type-3)	Asbestos Thread:- IS: 4687 (Type-3)

### PERFORMANCE TEST

Hydraulic Test : 21 Kgf/cm<sup>2</sup>

Water Tightness Test : 14 Kgf/cm<sup>2</sup>

Flow Test : 1800 LPM at 7 Kgf/cm<sup>2</sup>

## Fire Hose Delivery Coupling

### TECHNICAL SPECIFICATIONS

Type of Material	Gun Metal	Stainless Steel
Body	LTB - IS : 318	Stainless Steel:- IS 3444
Rubber Washer	IS : 937 (Type-A)	IS : 937 (Type-A)
Spring	Phosphorus Wire:- IS 7608	Stainless Steel:- IS 6528
Size	63 mm	63 mm



IS:903



## Nozzle & Branch

### TECHNICAL SPECIFICATIONS

Type of Material	Gun Metal	Stainless Steel
Body	LTB - IS : 318	Stainless Steel:- IS 3444
Size	63 mm	63 mm



IS:903





## Suction Collecting Head



Consist of Two / Four Nos.  
63mm Size Male

Instantaneous coupling as per  
IS : 903 Complete with NRV

Performance Test : Hydrostatic Test  
(Body Test) Tested at : 21 kgf/Cm<sup>2</sup>



Two Way Suction Head



Four Way Suction Head

## Hose Reel Drum

Available in Malaysian & Riser Mounted  
Corrosion Free  
Leakage Free  
Rust Free  
Power Coated  
Light Weight



## Thermoplast Hose for Hose Reel

Hydrostatic Test: Tested at 21 Kgf/Cm<sup>2</sup>  
IS : 12585 - Type - 1 W.P.6 KGF/CM<sup>2</sup>  
IS : 12585 - Type - 2 W.P.6 KGF/CM<sup>2</sup>

Available In:  
20 mm dia  
25 mm dia  
Conforming to IS : 12585



IS:12585



## RRL Fire Hose

- RRL Hose IS:636 Type - 1
- Dia : 63mm
- ISI Marked conforming to IS: 636
- Comes with SS / GM Couplings
- Binding cover with PVC unbreakable cap
- Burst Pressure : 35Kgf/cm<sup>2</sup>
- Available Length : 15mtr & 30 mtr
- Usage/Application: Fire Fighting



IS:636



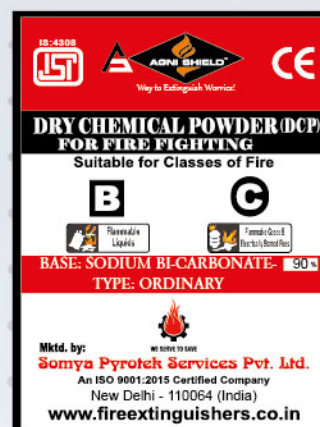


# Fire Fighting Chemicals

## ABC Powder



## DCP Powder



IS:4308



Suitable for class A, B & C fire involving combustible material like Wood Paper, Cloth Flammable gas, Liquid Perol, Paints Solvents, Electricity Started Fires & Classes of Fire.

Suitable for class B & C fire involving inflammable material like Flammable gas, Liquid Perol, Paints Solvents, Electricity Started Fires & Classes of Fire.

## Foam

### AQUEOUS FILM FORMING FOAM (AFFF)

**A**queous 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 3% and 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, extinguish fires involving flammable and other oil-based products. gases like LPG and other gases

IS:4989



## Electrical/Hand Operated Siren

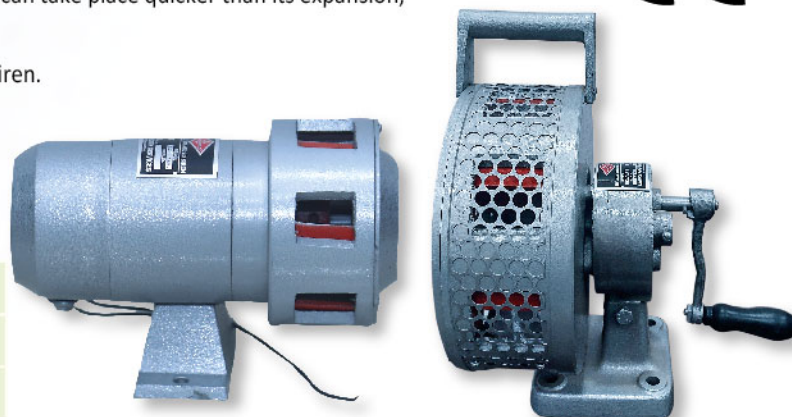
**T**he unique feature of fire is that it spreads exponentially. If evacuation can take place quicker than its expansion, number of casualties can be drastically minimised.

In order to address such situations, we introduced a range of electrical Siren.

These sirens help in quicker evacuation by spreading knowledge of a fire event through its high decibel alarm.

### TECHNICAL SPECIFICATIONS

Model	Electric Operated Siren	Hand Operated Siren
Alarm Range	1/2 Mile to 5 km	1/2 Mile to 1.5 km
Operating Voltage	240 V / 440 V	--





## RRL Hose Box



- Size : All Size of Boxes / Frames Fabricated as per client's Specification.
- Material : Mild Steel Sheet, Stainless Steel Sheet, Aluminium Sheet.
- Type : Single door / Double door type with locking arrangement front glass & Key



## Smoke Detector

### GST Standalone Battery Operated Smoke detectors

Smoke detectors are ironically one of the best indicators to detect fire at an early stage. Standalone detectors being battery operated doesn't require any specialize wiring & are very cost effective.

### TECHNICAL SPECIFICATIONS

1. Power supply: 2 AA 1.5V LR6 alkaline batteries
2. Indicators: Red, flashes in every 45 seconds in normal condition.
3. Sound level > 80dB/m
4. Detection Area: 60m<sup>2</sup> - 100m<sup>2</sup>
5. Operating Environment: Temperature: -10°C - +50°C
6. Operating Voltage : 3V DC



## Heat Detector

### TECHNICAL SPECIFICATIONS

- |   |                       |                                |
|---|-----------------------|--------------------------------|
| - Rate of Rise cum Fix Temperature type                         | - Operating Voltage   | DC (10.830) V                  |
| - Dual LED for 360 degree visibility                            | - Frequency           | 3-5 Seconds                    |
| - 2 wire based detector visibility                              | - Heat Sensitivity    | 135 F/ROR                      |
| - Advance algorithms provides advanced detection discrimination | - Reset Voltage       | Less than 1 volt               |
| - Easy installation   | - Reset time          | Less than 1 sec.               |
| - Low maintenance   | - Alarm indication    | 2 continuous emitting red LEDs |
| - High immunity against unwanted alarms                         | - Weight              | 140 gram with base             |
| - Stable heat chamber No adjustment or replacement required     | - Start up current    | 100 UA                         |
|   | - Alarm current (Max) | 50 mA                          |
|   | - Stand by current    | 40 UA                          |
|   | - Dimension           | Dia 100mm, ht 46mm.            |



## Fire Alarm Panel 2 Zone Fire Alarm Panel

### TECHNICAL SPECIFICATIONS

- |  |                           |                        |
|--|---------------------------|------------------------|
| - 16x2 Dot Matrix LCD Display.                               | - Power I/P               | : AC-230 V, 50 HZ + 5% |
| - Standby backup with built in Charging.                     |                           | : DC - 24 V            |
| - Fire / Fault status in unambiguous colored LED indication. | - Cabinet                 | : Powder Coated Steel  |
| - Switch Mode Power Supply.                                  | - Housing                 | : CRCA Sheet           |
| - Tactile Keypad for easy panel operation.                   | - Power Consumption       | : 30 Watt              |
| - System ON indication.                                      | - Weight (Packed)         | : Off White            |
| - Main, Standby status indication.                           | - Zone wise output Supply | : 24 V DC              |
| - Low Battery visual warning.                                | - Hooter output Supply    | : 24 V DC              |
| - Relay output for actuators, for Fire and Fault.            |                           |                        |
| - Lamp Test facility.  |                           |                        |
| - Zone wise one man Walk Test Facility.                      |                           |                        |
| - Zone wise Isolation facility with Loop voltage cut off.    |                           |                        |
| - Compatible to all type of Conventional Detectors.          |                           |                        |
| - Common Hooter Facility.                                    |                           |                        |



Available in Zones 4 6 8 10 12 16



# **“WE’RE JUST ENTHUSIASTIC ABOUT WHAT WE DO.”**

Saving precious lives everyday is something that excites & motivates us, to keep moving forward in our quest...

Our quest to vanish the fear of fire from every heart & soul. Which is why, the same spirit also resonates in our products. Something that clearly distinguishes us from other solution providers.

**ISIRI**

**NSIC**



**Manufactured by:**



**WE SERVE TO SAVE**

**Somya Pyrotek Services Pvt. Ltd.**

An ISO 9001:2015 Certified Company

New Delhi-110064 (India)