FIRE DETECTION & ALARM SYSTEMS

Catch the Smoke Before the Flames

Smoke detectors, heat detectors, manual call points and hooters wired to one control panel. It shows where the fire is and warns the whole building — day and night.

WHY IT MATTERS

Early Warning Saves Lives and Property.

24×7
Round-the-clock watch, with battery backup in power cuts

2 Ways
Automatic by detector, or by hand at a call point

IS 2189
Indian code of practice our systems are laid out to

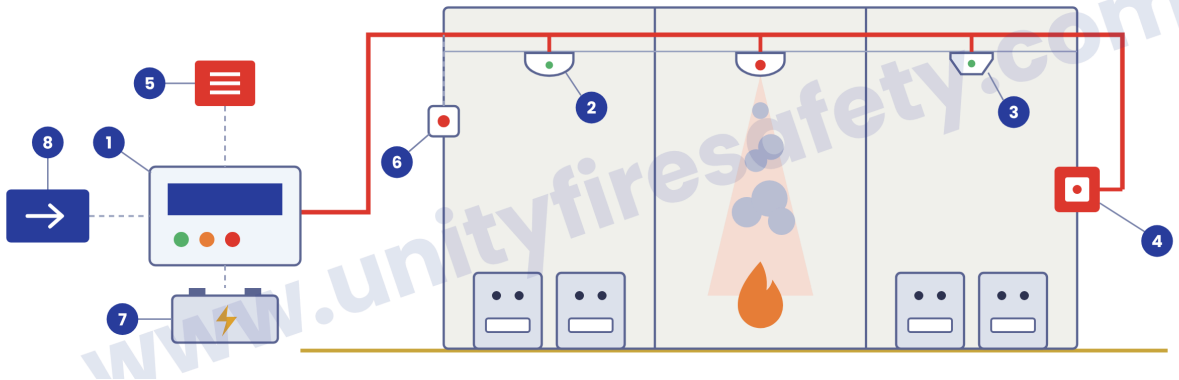
HOW IT WORKS

Detect. Locate. Warn. Respond.

1. **Detect** — Smoke or heat detector senses the fire early.
2. **Signal** — Detector or call point signals the control panel.
3. **Locate** — Panel shows the zone or the exact detector.
4. **Warn** — Hooters and flashers alert the whole building.
5. **Respond** — Panel outputs stop AHUs and alert security.

SYSTEM LAYOUT

Every Room Wired to One Panel.



www.unityfiresafety.com

1. Control panel
2. Smoke detector
3. Heat detector
4. Manual call point
5. Hooter-cum-flasher
6. Response indicator
7. Battery backup
8. AHU, lift, BMS link

WHERE WE INSTALL

Any Building. Any Size.

- Offices & IT Parks
- Factories
- Warehouses
- Hospitals
- Hotels & Restaurants
- Schools & Colleges
- Malls & Showrooms
- Residential Towers

Detectors and Devices

01 — Smoke Detector
Optical type. For offices, rooms and corridors.

02 — Heat Detector
For kitchens, DG rooms and dusty areas.

03 — Multi-Sensor
Smoke and heat in one. Fewer false alarms.

04 — Beam Detector
One beam covers a long warehouse or hall.

05 — Manual Call Point
Press to raise the alarm by hand.

06 — Hooter & Flasher
Loud tone and flashing light.

07 — Response Indicator
Lamp outside a closed room or false ceiling.

08 — Control Panel
Zone or loop type, with battery backup.

Conventional or Addressable?

Parameter	Conventional	Addressable
Shows fire by	Zone — an area or a floor	Exact detector, named on the display
Best for	Shops, small offices, small buildings	Large, multi-floor buildings; hospitals
Wiring	One cable run for each zone	Loop wiring; fewer cable runs
Cost	Lower initial cost	Higher; faster fault-finding

System Basics

Parameter	Specification
Power	230 V AC mains with sealed battery backup. The system stays live in a power cut.
Cabling	2-core 1.5 sq mm FRLS copper cable, armoured or in conduit to suit the site.
Outputs	AHU shut-down, lift and access control signals, BMS link; optional GSM alerts.
Standards	Selected and laid out to IS 2189 and NBC 2016 Part 4 practice.

Detector type and quantity are finalised by site survey. Approvals are held by the equipment manufacturer.

Survey. Supply. Install. Service.

Free Site Survey
Detector layout on your floor plan, with an itemised BOQ.

Supply & Installation
Commissioned with our licensed partner agency.

Testing & AMC
Regular detector testing, with a written service record.

UNITY FIRE SAFETY

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Book a Free Site Survey

OFFICE

B-211, Shoppers Orbit, Vishrantwadi, Pune — 411015.

Send the floor plans — or just the area of each floor — or call and we will visit. Detector layout, itemised BOQ and quotation, with no obligation.