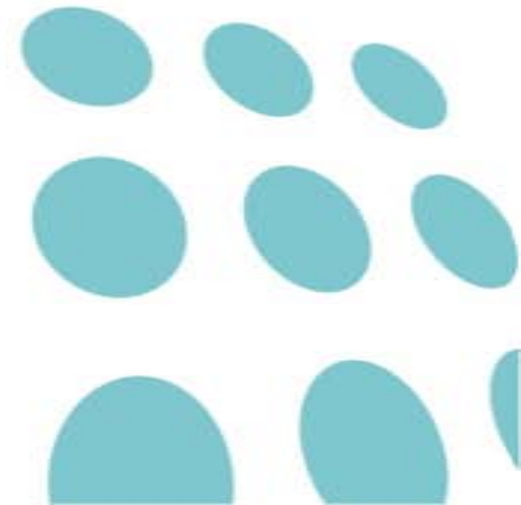


# Hearty Welcome



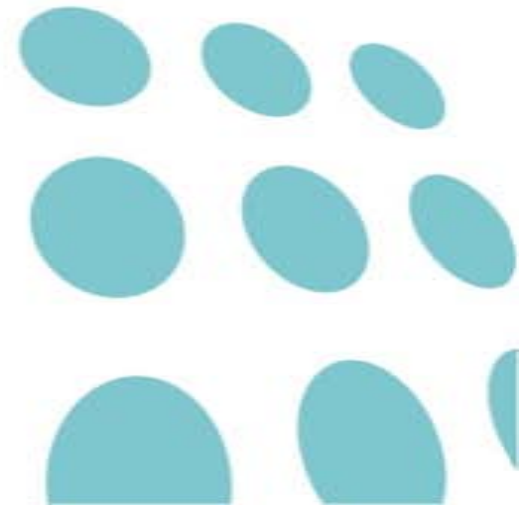
# PROPAC CFAP

## Conventional Fire Alarm Panel

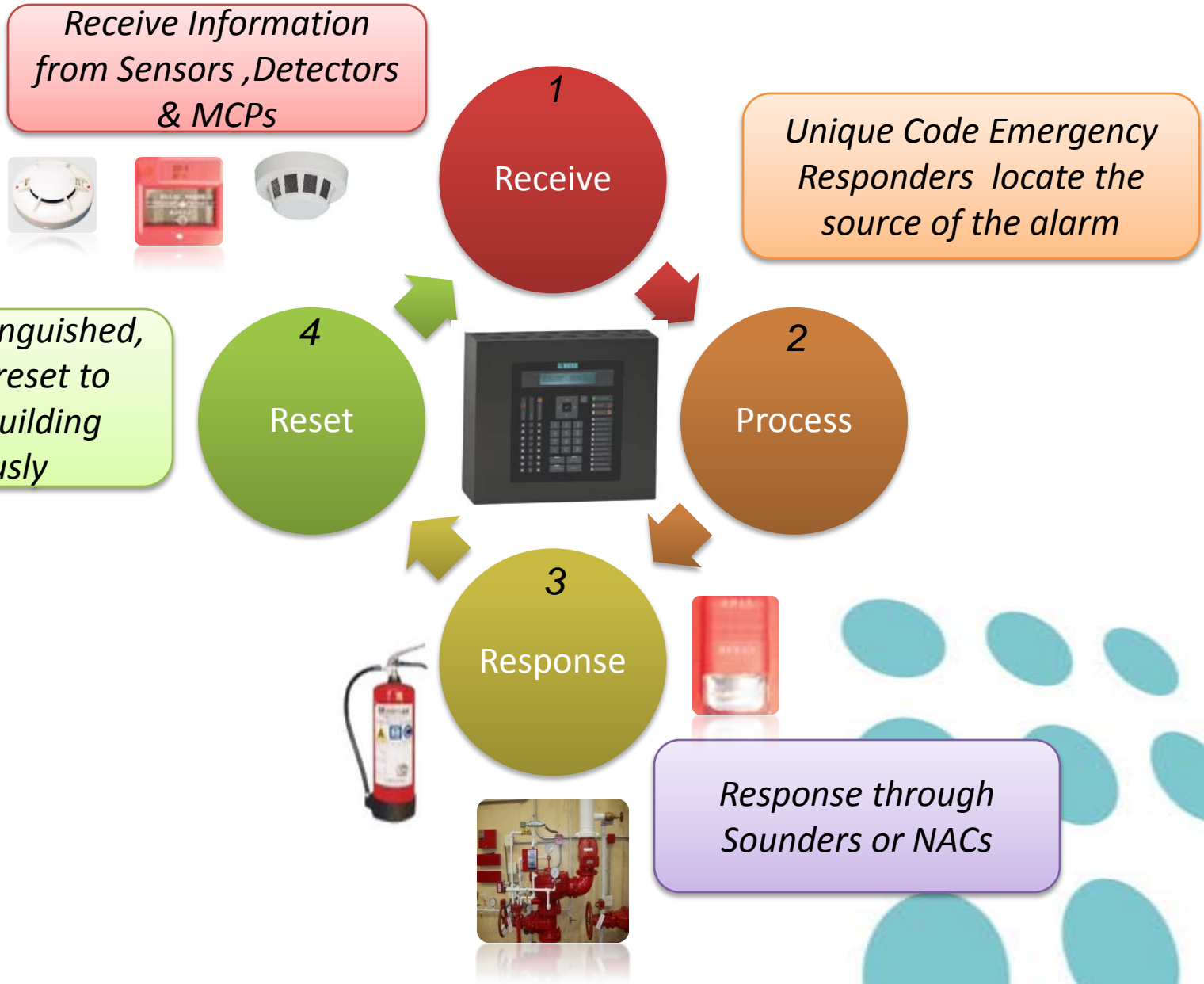


# Presentation Outline

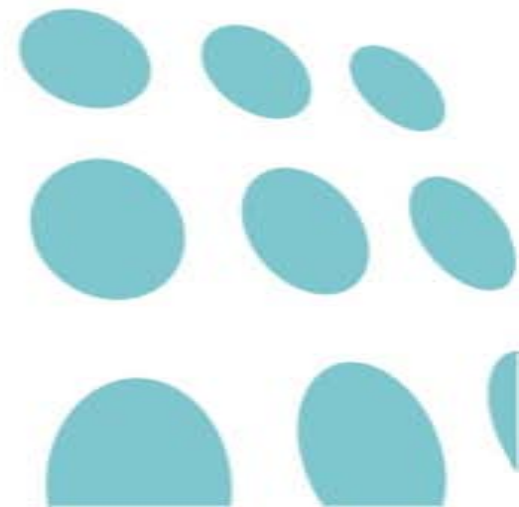
- Working of Fire Alarm System
- PROPAC Introduction
- PROPAC Architecture
- Key Features of PROPAC
- Applications of PROPAC



# How does Fire Alarm System Works?



# PROPAC INTRODUCTION



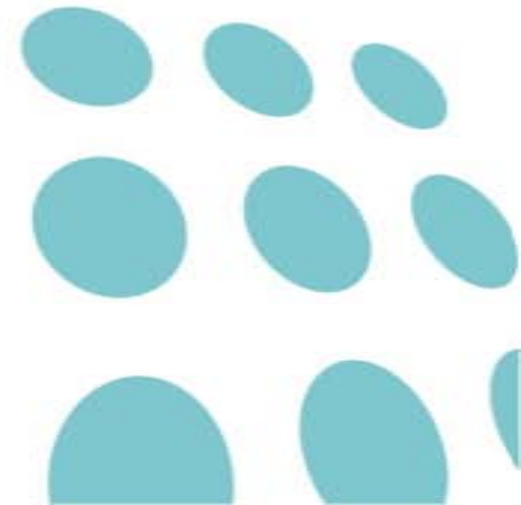
# Introduction

- Defining PROPAC CFAP
  - ✓ A Powerful and Protective CFAP
  - ✓ Continuously Monitor Smoke, Heat, Flame and Spark
  - ✓ Used for an Office, Building, Apartment, Home, Small Industrial Plant
  - ✓ Real Time Response
  - ✓ Reduce the Risk of Equipment Damage and Loss of Fire

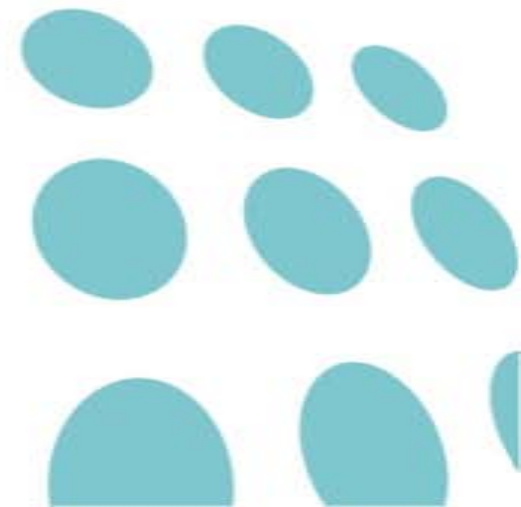


# Feature Highlights

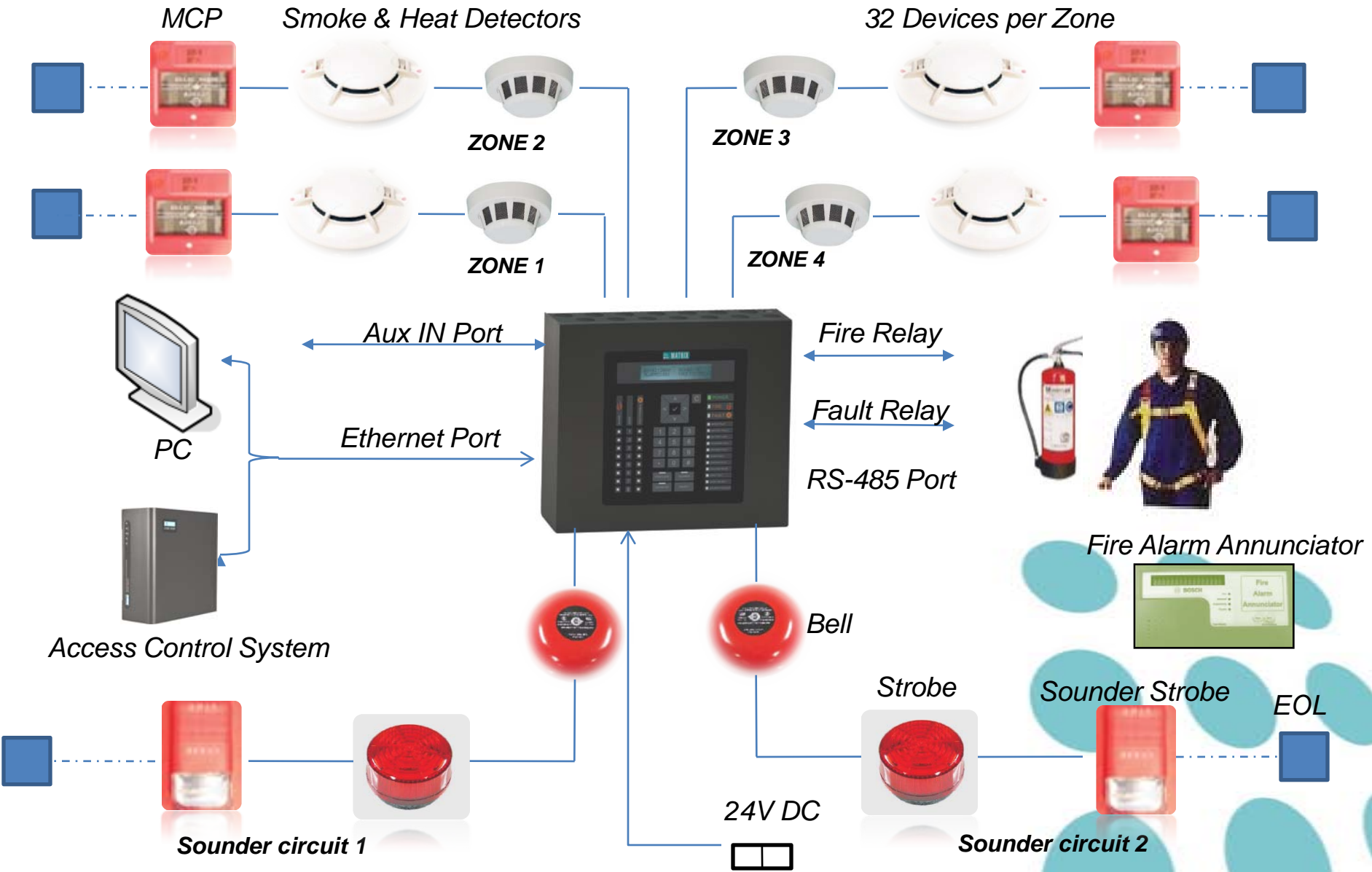
- Built Using Latest Micro-Controllers and ADCs (Analog to Digital Convertors)
- Rapid and Accurate Response
- Interface through LCD, Coloured Status Indicators and Touch Sense Keys
- Easy to Setup and Operate
- Rugged and Weather-Proof Enclosure
- Supports Wide Range of Sensors and Detectors
- Quick Configuration



# PROPAC ARCHITECTURE

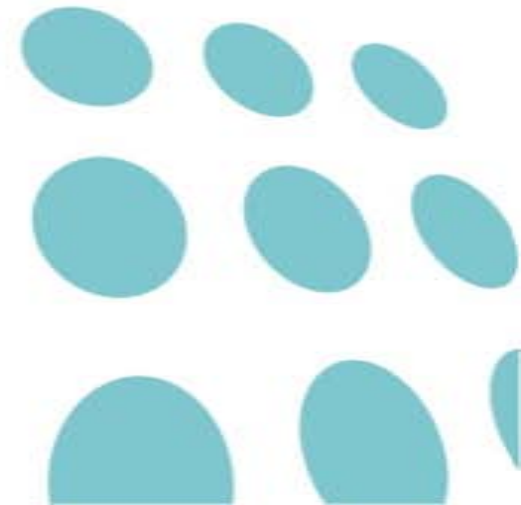


# PROPAC CFAP with 4 Zones and 2 Sounder Circuits

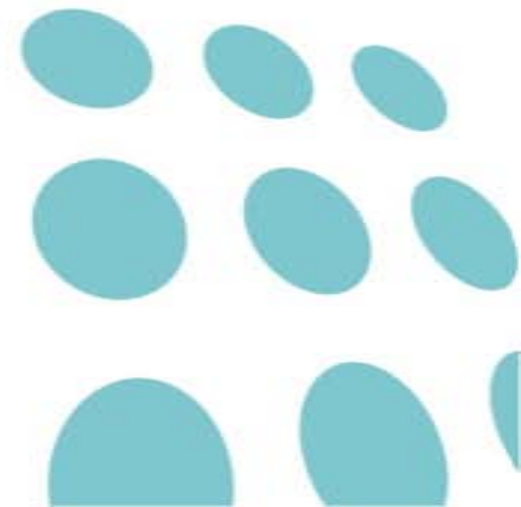


# PROPAC Architecture

- PROPAC Family Consists of 2, 4 and 8 Zones
- Integration with Fire Relay, Fault Relay, Auxiliary Input and RS485 Relay Ports
- IDC (Initiating Device Circuits): 2, 4 and 8 style-Y (Class-B)
- NAC (Notification Appliance Circuits): 2 and 4 style-Y (Class-B)



# KEY FEATURES OF PROPAC



# Key Features of PROPAC

- Preventive Maintenance
  - ✓ Deactivation of Any Zone on Temporary Basis
  - ✓ Variety of Inspection Tests like; Sounder Test, Lamp Test, Walk Test
  - ✓ Evaluation of Functionality of the System Time-to-Time
- Integration
  - ✓ Third Party Hardware Devices like; Water Sprinkler, PA/VA System, Gas Release Panels



# Key Features of PROPAC

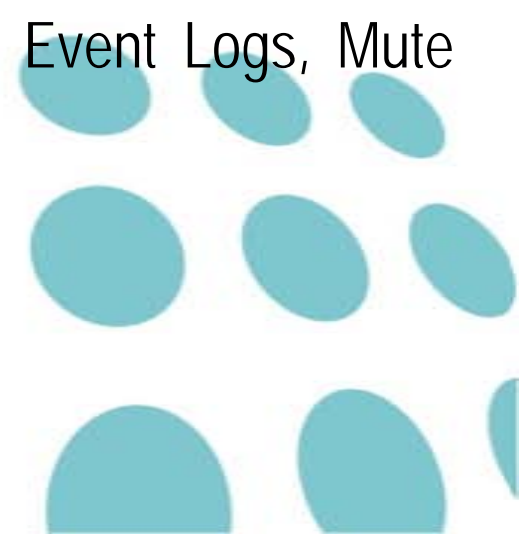
- ✓ Third Party Repeaters like; Mimic Panel and other Annunciators through RS485, for up to 16 Devices in a Row
- ✓ Third Party Relay Based Devices
- Web Configuration Tool
  - ✓ User Friendly Web Configuration Tool called Jeeves
  - ✓ Easy to Program and Ready to Use within Few Minutes
  - ✓ Downloadable Events Log File in Readable Format

# Key Features of PROPAC

- User Friendly Menu
  - ✓ User Friendly, Interactive, LCD Display Based Menu to Configure, Activate Features
  - ✓ Menu can handles tasks like;
    - Status Check
    - Configuration
    - Clear log events
    - Maintenance
    - Setting default password
    - Reset
    - LAN Settings

# Key Features of PROPAC

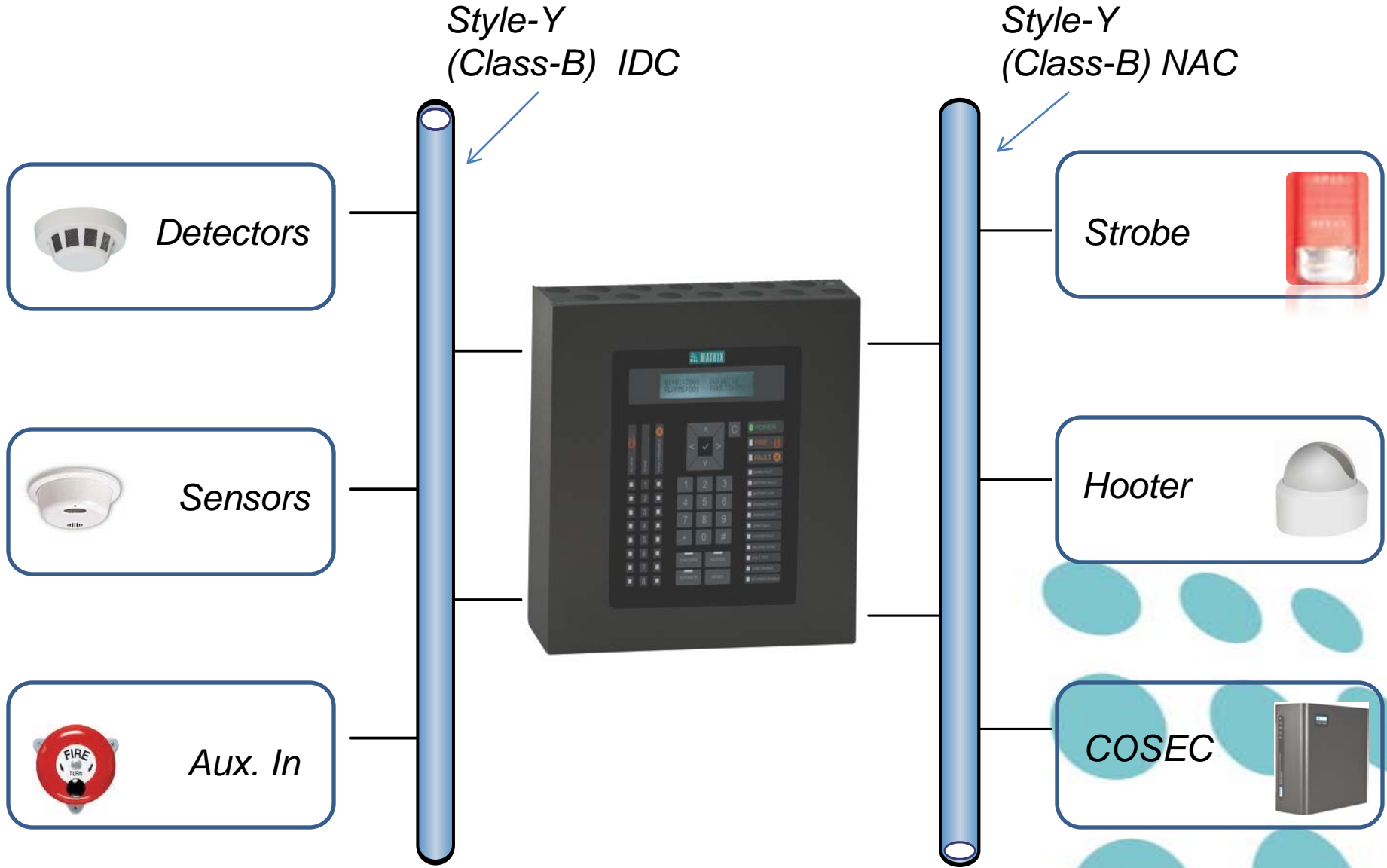
- Users Access Levels and Codes
  - ✓ Offers 4 Different Users Levels and Codes to Keep Panel Safe and Secure
  - ✓ Level Based Rights to Different Users to Access Different Functions
  - ✓ User can View Zone Status, Battery Status, Event Logs, Mute Buzzer, Silence Sounders, Reset Panel etc.



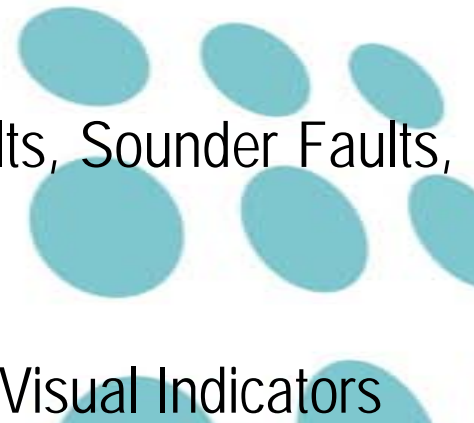
# Key Features of PROPAC

- User Interface and Display
  - ✓ Provides Multiple Pathways between Panel and User like;
    - Touch Sense Keypad
    - 2 x 24 Characters LCD
    - 33 Status LEDs
    - Built in Buzzer
- Fire Detection and Notification
  - ✓ Multi Zone Fire Detection through Sensors and Manual Call Points
  - ✓ Notification through Indicators, Zone Alarm, Panel Buzzer, Sounder and Strobe

# Fire Detection and Notification



# Key Features of PROPAC

- Fire Relay and Integration
    - ✓ Integration to Access Control and Other Devices through Fire Relay
    - ✓ Whenever Fire is Detected in Any Zone, Access Control System Opens All the Doors to Evacuate the Place.
  - Fault Detection and Reporting
    - ✓ Detection of Different Faults like General Faults, Sounder Faults, Zone Faults
    - ✓ These Alerts are Reported to Admin via Audio Visual Indicators
- 
- A decorative graphic in the bottom right corner consisting of several overlapping teal circles of various sizes.

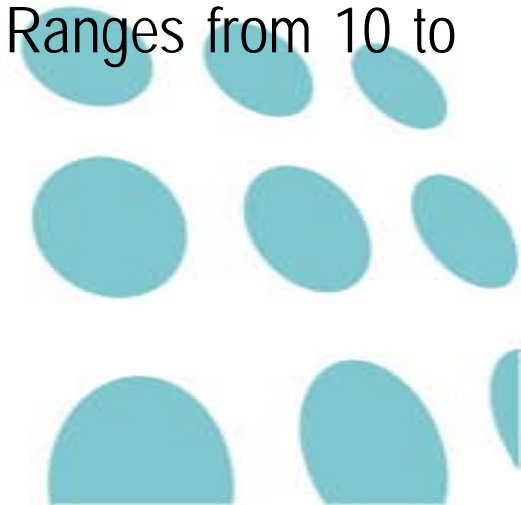
# Key Features of PROPAC

- Delayed Mode
  - ✓ Postpone Activation of Sounders for Some Time (1 to 9 minutes) to Avoid Panic
  - ✓ Helpful in Sensitive Areas like Hospitals, Server Rooms, Pharmaceutical Companies
- Evacuation or Fire Drill
  - ✓ Activate NACs (Sounders) for the Decided Period by User, Mainly for the Purpose of Mock Drill



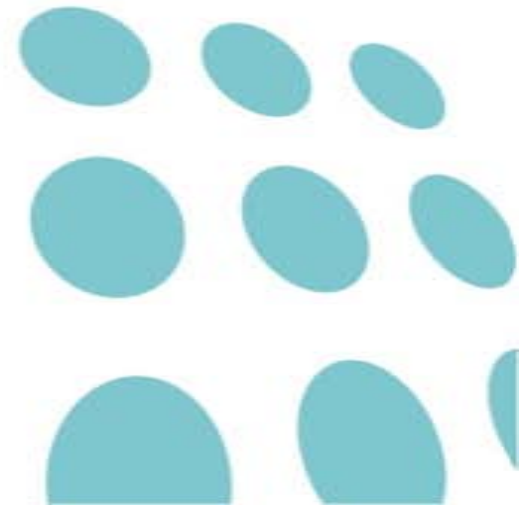
# Key Features of PROPAC

- Various Tests for Maintenance of PROPAC CFAP
  - ✓ **Sounder Test:** Monitor Proper Functioning of Sounders
  - ✓ **Lamp Test:** Monitor Proper Functioning of LEDs and Internal Buzzers
  - ✓ **Walk Test:** For Fault Reactivation Maintenance Facility
  - ✓ **Stop Test:** Select Walk Test Inactivity Timer Ranges from 10 to 60 Minutes Using the Menu

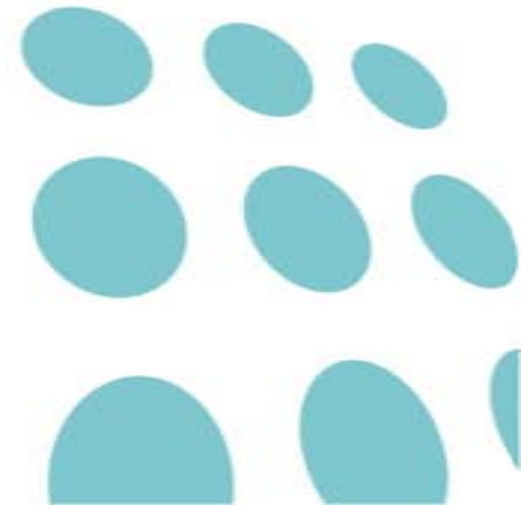


# Key Features of PROPAC

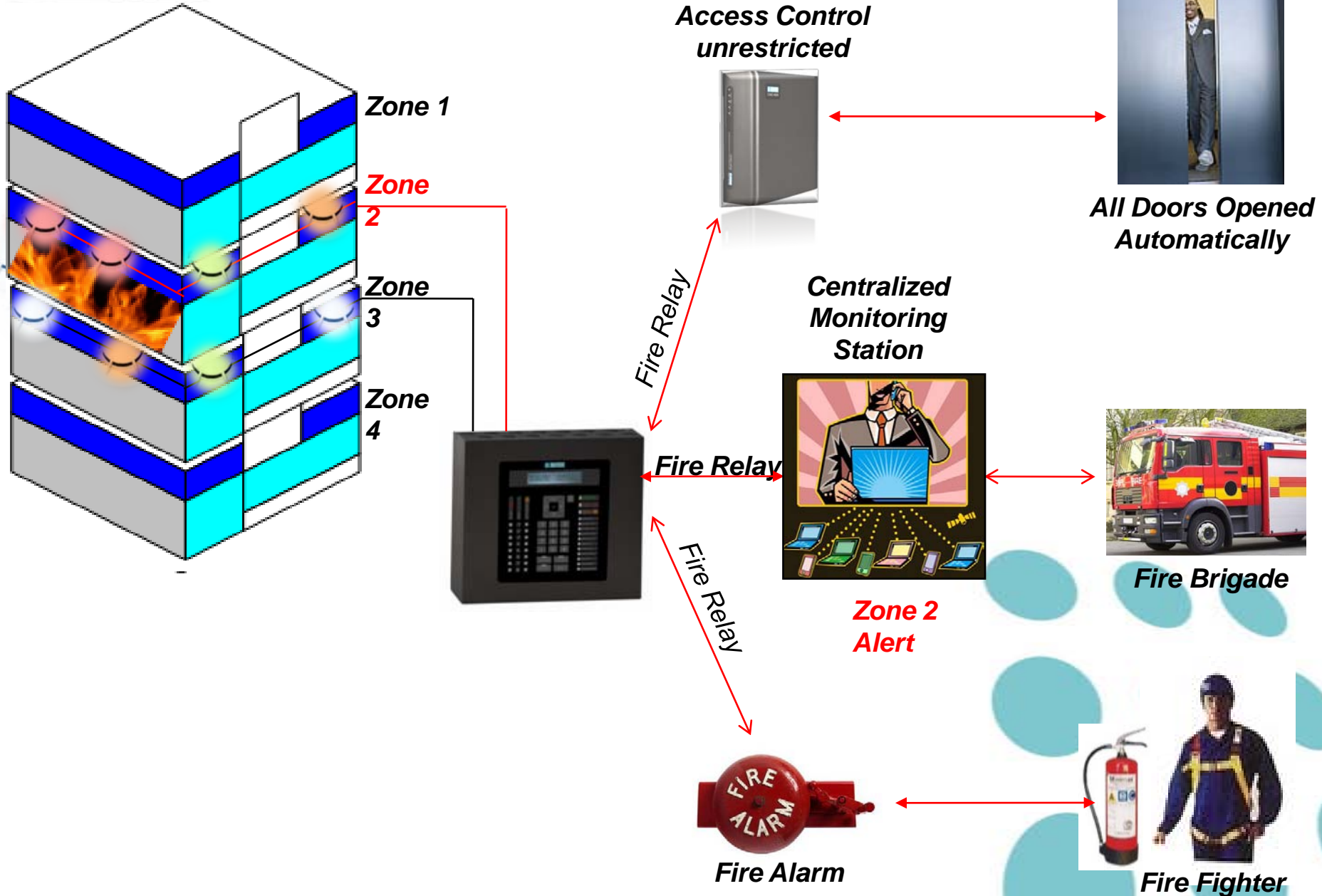
- Events Log and Download
  - ✓ PROPAC can Log up to 999 Events or Transactions
  - ✓ It Consist of Alarm, Fault And Enable/Disable Events
  - ✓ Download from Controller through Ethernet
- Configuration through Ethernet
  - ✓ System Configuration through Ethernet
  - ✓ Upgrade the Firmware through Ethernet



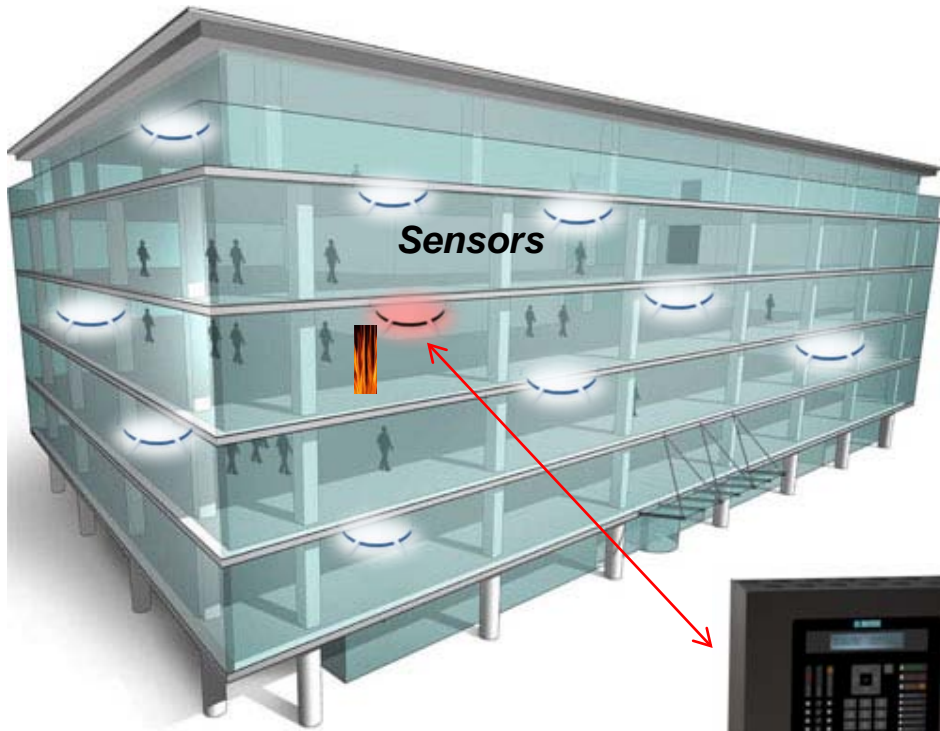
# APPLICATIONS OF PROPAC



# Fire Relay Applications



# Integration with Fire Sprinkler System



**Sensors**

**Corporate office**



**Fire Relay**



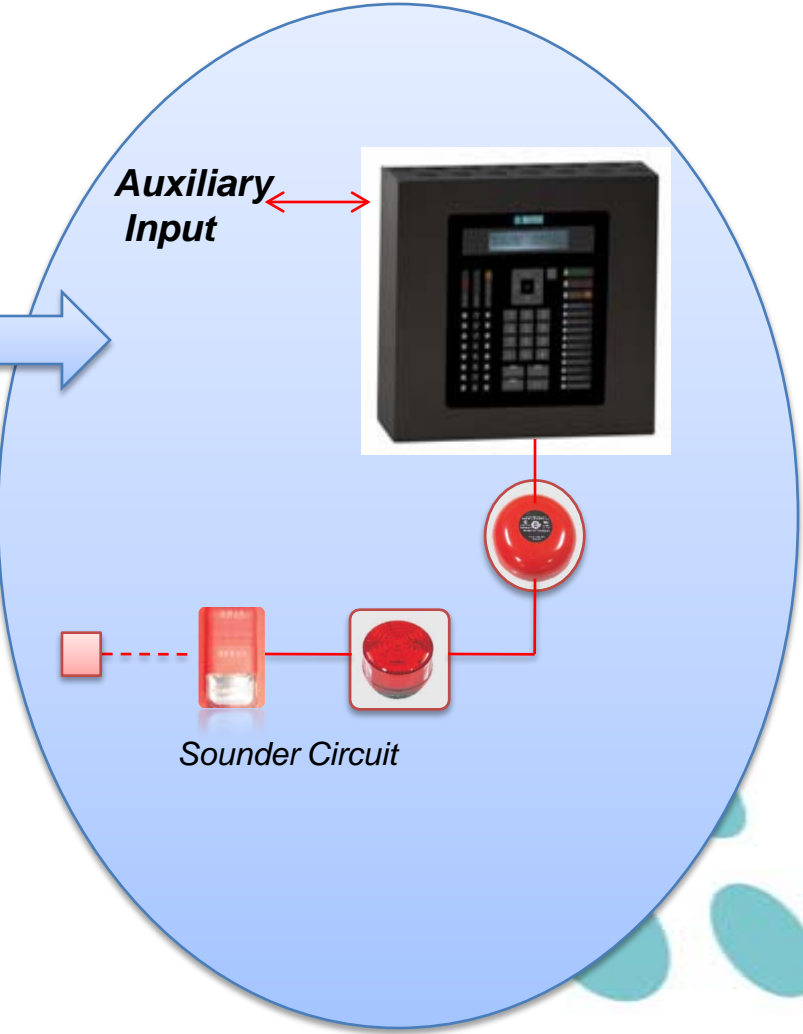
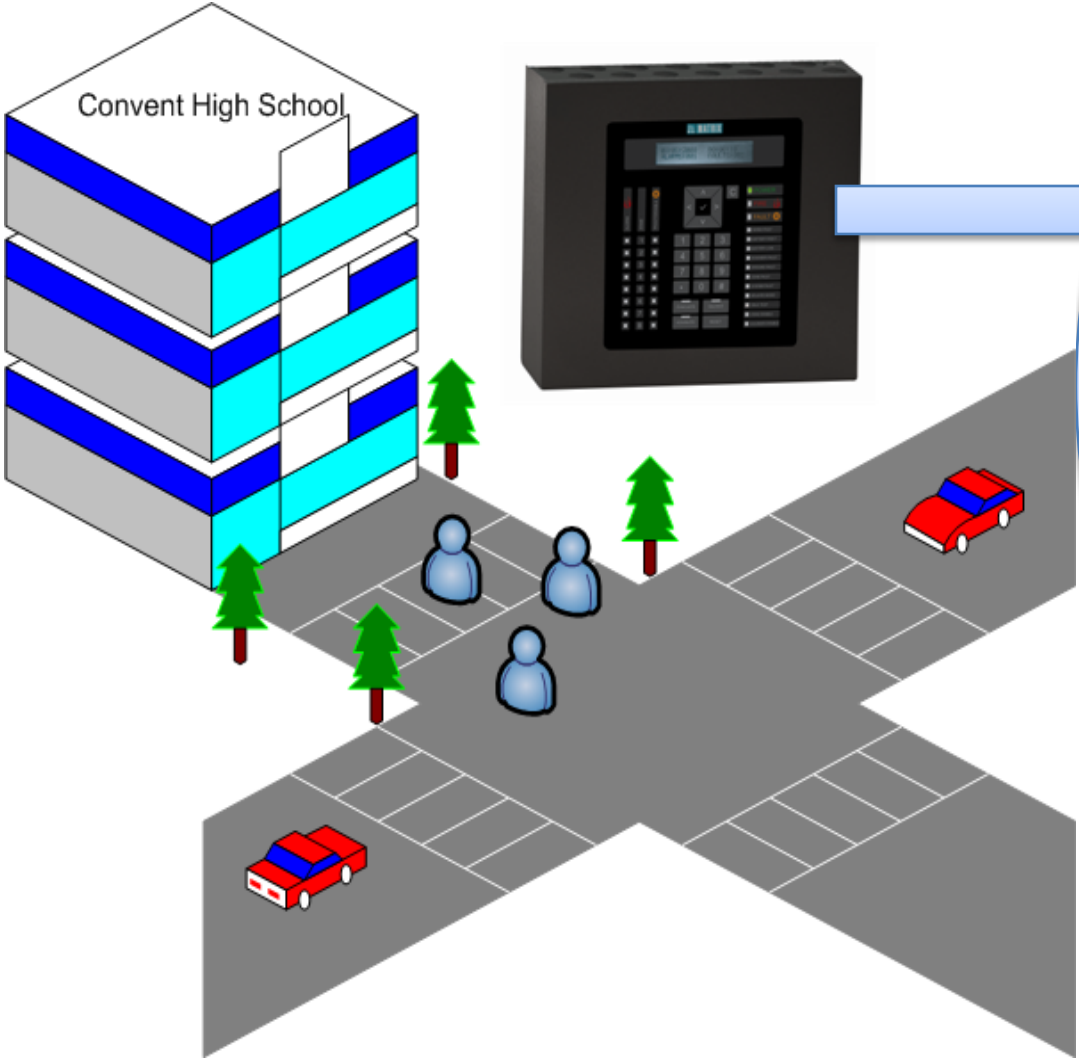
**Fire Sprinkler**



**Fire Sprinkler System**

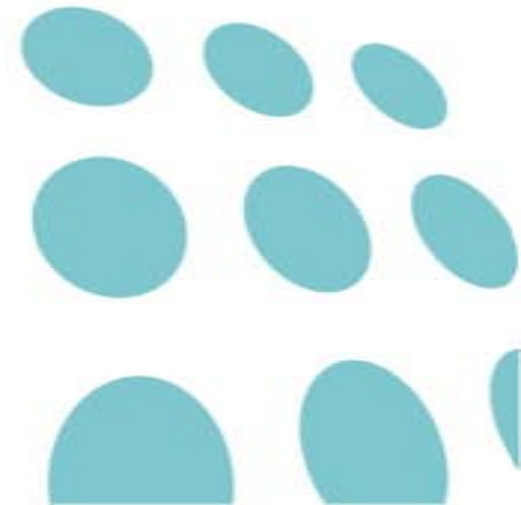


# Class Change in School



# Other Applications

- Integration with Access Control System
- Integration with Fire Sprinkler System, Gas Release Panel, Relay Based Devices etc.
- Class Change in Schools
- Supervise and Monitor All IDC Circuits
- Fire Detection and Notification
- Fault Detection and Reporting
- Regular Preventive Maintenance



# Target Customers



Corporate  
Offices



Government  
Sectors



Industries &  
Mills



Hotels



Shopping  
Malls



Hospitals



Financial  
Institutes



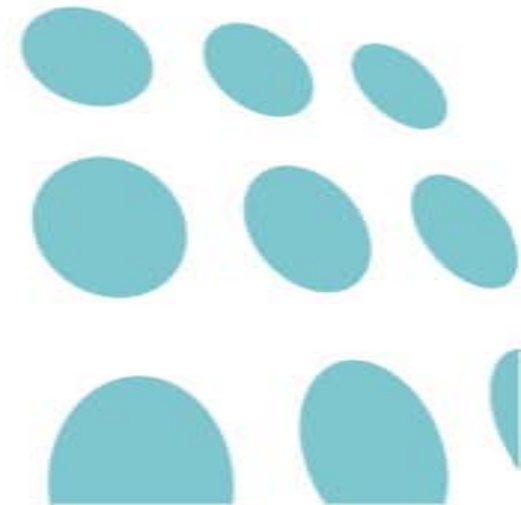
Large  
Enterprises



Petrol Pumps

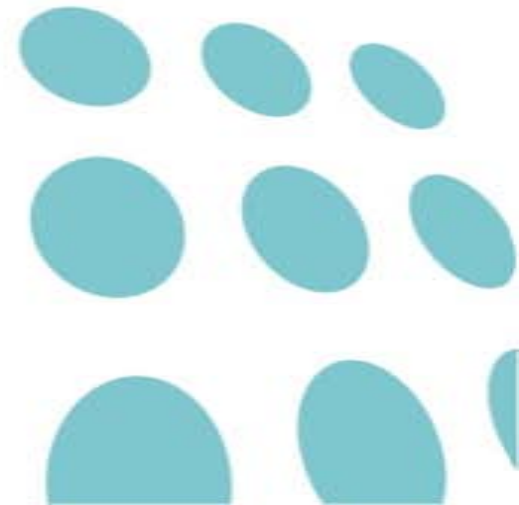
# Advantages of PROPAC

- Real Time Operation
- Rapid and Accurate Response
- Easy Interface through Interactive Front Panel
- Easy Configuration and Set up of the System
- Perpetual Fire Monitoring and Controlling



# USPs of PROPAC

- Ethernet Connectivity
- Web based Configuration
- Class Change Application
- Preventive Maintenance Facility
- Integration with Wide Range of Detectors
- 32 Mimic Panel Support through RS485
- 999 Events Log and Download through Ethernet



# Thank You

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Version: V1R1

