



PRODUCT CATALOGUE

Gas Detection. Fire Alarm. Extinguishers.

Fire safety equipment supplied, installed and serviced across Pune, Pimpri-Chinchwad and Maharashtra.

01

Gas Leak Detection

02

Fire Detection & Alarm

03

Fire Extinguishers

Free Survey

On-site assessment and written BOQ, no charge

Stocked

Fast-moving items held for same-week supply

Installed

Commissioned with our licensed partner agency

Serviced

Six-monthly inspection and refilling

GAS TRANSMITTERS

Detect the leak before there is a fire

Fixed field transmitters for LPG, combustible, toxic and oxygen monitoring – flameproof cast aluminium enclosures, IP66, wired to a multi-zone control panel with hooter and automatic solenoid gas shut-off.



MODEL CI-1100

Combustible Gas Transmitter – LED Indication

LPG, propane and methane monitoring for commercial and light industrial premises

- Detection range 0–100% LEL; alarms above 10% of the lower explosion limit
- Detects in PPM, % LEL and % V/V; LED indication for power and gas leak
- Self-purging semiconductor sensor – no routine recalibration required
- Two configurable potential-free relay contacts; span and zero calibration
- Cast aluminium alloy or SS316 flameproof enclosure, epoxy coated, IP66
- 12–28 VDC, under 3 W · 120 × 100 × 100 mm · 2 kg · M20 cable entries (2)
- –20 °C to 60 °C · wall, stand or pipe mounting · covers up to 900 sq ft

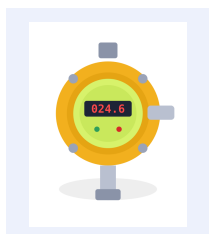
PESO

CIMFR

IP66

IEC 60079-0

IEC 61508



MODEL CI-2200

Digital Gas Transmitter – Display & 4–20 mA Output

Industrial monitoring with live concentration readout and plant integration

- Digital display of gas concentration on LED display, in PPM, % LEL or % V/V
- Analog industry-standard 4–20 mA output plus RS485 digital communication
- Accuracy ±2% of full scale; span and zero calibration functions
- Fault diagnosis and self-testing alarm LEDs with relay; 3 or 4-wire technology
- Explosion proof and weather proof, cast aluminium alloy or SS316, IP66
- 12–28 VDC (typically 24 VDC), under 3 W · 120 × 100 × 100 mm · 2 kg
- –20 °C to 60 °C · ambient pressure ±10% · wall, stand or pipe mounting

PESO

CIMFR

4–20 mA

RS485

IP66

CONTROL & ANNUNCIATION

Panels, hooters and shut-off



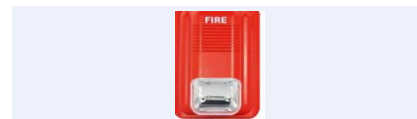
2 / 4 / 8 Zone Panel

Microcontroller panel with 16×2 LCD, zone-wise fire, open and short indication, zone isolation, password protection and RS485 for repeater and mimic panels. 220 VAC / 24 VDC, battery backup, 1.8 mm CRCA housing, 272 × 346 × 96 mm.



Addressable Digital Panel

4–20 mA or RS485 input from field transmitters, 7-segment display or optional 4.3" LCD touchscreen and 7" HMI. Programmable 0–9999 in % LEL, PPM or % V/V. Channel capacity 2 to 32, ModBus optional.



Hooter & Shut-off

Combined audible and visual annunciation at minimum 85 dB, distinct from the fire alarm tone. Solenoid gas valve driven from the panel relay closes the supply on alarm. GSM module optional for SMS and voice alerts.

WHERE IT APPLIES

Commercial and industrial environments

Industrial Plants & Refineries

Gas Godowns & Distribution

Laboratories & Pharma

Chemical Storage

Boiler Rooms & Utilities

Commercial Kitchens

Hotels & Malls

Hospitals & Institutional

SECTION 02 · SMOKE ALARMS & DETECTION

Detectors, call points and alarm panels

 Smoke Detectors Photoelectric and optical, conventional and addressable, for offices, corridors, stores and guest rooms.	 Heat Detectors Fixed-temperature and rate-of-rise, where steam, dust or grease vapour would false-alarm a smoke sensor.	 Manual Call Points Break-glass and resettable types for exit routes, stair landings and lobbies.	 Response Indicators Remote indication for detectors above false ceilings or inside enclosed rooms.
 Hooters & Sounders Electronic hooters and hooter-cum-flashers for audible and visual evacuation alarm.	 Conventional Panels Zone-based fire alarm control panels with battery backup, from 2 zones upward.	 Addressable Panels Device-level identification for multi-floor and large-footprint buildings.	 Cable & Accessories FRLS and fire-survival cable, back boxes, EOL resistors, batteries and mounting accessories.

SECTION 03 · PORTABLE & TROLLEY MOUNTED

The right agent for the right class of fire

 ABC Powder Class A, B, C. 1–10 kg portable; 25 and 50 kg trolley.	 Carbon Dioxide Class B and electrical. 2–9 kg; 22.5 kg trolley.	 Water Class A only. Spray and jet. 6 L and 9 L portable.	 Mechanical Foam Class A and B. 9 L portable; 45 and 50 L trolley.	 Clean Agent Class A, B, C. No residue. 2–9 kg.	 Wet Chemical Class K. Cooking oils and fats. 3, 6 and 9 L.
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SELECTION RULE

Fire class and correct agent

Class	Fire involves	Correct agent	Never use
Class A	Wood, paper, cloth, general solids	Water, foam, ABC powder	—
Class B	Petrol, diesel, oil, solvents, paint	Foam, ABC powder, CO ₂	Water jet
Class C	LPG, methane and other flammable gases	ABC powder, after isolating the gas supply	Water, foam
Class D	Combustible metals	Special powder, metal-specific	Water, foam, CO ₂
Electrical	Live electrical equipment	CO ₂ , clean agent	Water, foam
Class K / F	Cooking oils and fats	Wet chemical	Water, CO ₂ , dry powder

OUR SERVICES**Survey. Supply. Install. Service.****Free Site Survey**

We visit, assess the premises or gas zone, and issue a full specification, itemised BOQ and quotation — free of charge, no obligation.

Procurement & Supply

Direct from certified manufacturers. Stock held on fast-moving items; project material consolidated under a single GST invoice.

Installation

Site execution and commissioning with our authorised licensed partner agency, who issues the compliance certificate for your file.

Service & Refilling

Six-monthly inspection, detector function testing and calibration, extinguisher refilling and hydraulic testing.

DOCUMENTATION**Paperwork your audit will ask for****Compliance file**

Drawings, datasheets, test certificates and manufacturer approvals compiled as a submission-ready set for Fire NOC, NABH and corporate EHS audits.

Service records

Written service certificate at every visit, with an updated tag on each unit and a maintained schedule for your records.

Warranty support

Manufacturer warranty passed through in full, with fault reporting, replacement parts and service calls coordinated by us.

WHO WE SUPPLY**End clients, facilities and the trade****Hotels & Restaurants****Hospitals & Nursing Homes****IT Parks & Corporates****Malls & Retail****Factories & MIDC Units****Warehouses & Godowns****Schools & Hostels****Fire Contractors & Agencies****CREDENTIALS****Registered. Certified. Accountable.****ESTABLISHED**
2017**BUSINESS STATUS**
MSME
Registered**PRODUCT APPROVALS**
PESO · CIMFR
BIS / ISI**REGISTRATION**
GST
Registered

Unity Enterprises · Proprietorship · Chaitanya M. Sainkar · Udyam UDYAM-MH-26-0677317 · GSTIN 27DHGPS7949J1ZF

B-211, Shoppers Orbit, Vishrantwadi, Pune 411015, Maharashtra · Serving Pune, Pimpri-Chinchwad and Maharashtra; supply pan-India on request

**Chaitanya M. Sainkar**

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Book a Free Site Survey**OFFICE**

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

Send a floor plan, gas zone drawing or equipment list — or simply call and we will visit. Written specification, itemised BOQ and quotation, with no obligation.

**SCAN FOR A
FREE SITE SURVEY**
unityfiresafety.com