

FLAME PROOF MANUAL CALL POINT

Product Overview: The Flameproof Manual Call Point is a robust and reliable emergency signalling device specifically engineered for use in hazardous areas where explosive atmospheres may be present. It is designed to prevent the ignition of surrounding explosive gases or dust by containing any sparks or flames within its flameproof enclosure.

Upon manual activation-typically by breaking the glass or pressing the emergency button – it sends a signal to the fire alarm control panel, initiating the fire alarm system. This immediate response mechanism is critical in industrial environments to ensure timely evacuation and fire-fighting measures.

1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
Type	Flame Proof Manual Call Point



2. TECHNICAL SPECIFICATIONS :-

2.1 :- General Specifications

Operation Type	Manual
Colour	Red
Installation Height	Recommended at 1.4 meters above floor level

2.2 :- Electrical Specifications

Power Input (I/P)	24 V DC
Electrical Contact	1 NO (Normally Open) & 1 NC (Normally Closed)

2.3 :- Mechanical Specifications

Housing Material	Aluminium Casted (Red Coated)
Enclosure Type	Suitable for Hazardous Locations
Mounting	Wall mounted
Hammer	Metal hammer with chain for emergency use

2.4 :- Environmental & Protection Ratings

Ingress Protection (IP)	IP65 (Dust – tight and water jet resistant)
Environmental Use	Indoor and Outdoor Hazardous Areas
Temperature Range	Typically -20°C to +60°C
Explosion Protection	Flameproof enclosure

3. FEATURES AND ADVANTAGES :-

- Explosion-Proof Design – Enclosure designed to withstand internal explosion without causing ignition externally.
- IP65 Protection – Total protection against dust ingress and low-pressure water jets from any direction.
- Bright Red Colour – Ensures high visibility in emergency situations.
- Quick Activation – Immediate manual initiation of alarm signal to fire panel.
- Reliable Construction – Pressure die-cast aluminium alloy body ensures durability in industrial use.
- Pre-Wired Terminals – Simplifies installation and ensures secure electrical connections.

- Corrosion Resistant Finish – Epoxy powder-coated surface protects against chemical and environmental damage.

4. APPLICATIONS :-

- Oil & Gas Industry – Installed in hazardous zones where hydrocarbon gases are handled or processed.
Petroleum Refineries & Fuel Terminals – Positioned near tank farms, pump houses, and processing units for emergency alarm activation.
- Chemical & Pharmaceutical Facilities – Used in solvent storages areas, mixing sections, and reactors where flammable vapours are present.
- Power & Energy Sector – Installed in generator rooms, diesel storage zones, and control rooms for manual override.
Battery Storage Facilities – Used in lithium-ion storage/charging rooms to manually trigger alarms in thermal events.
- Industrial Manufacturing & Process Plants – Paint & Resin Factories – Positioned near mixing booths and spray chambers to meet fire safety codes.
Metal Fabrication & Welding Shops – Ideal for hazardous areas involving gas welding and flammable dust.
- Mining & Metallurgy – Underground Mines & Tunnels – For use in dust-laden and potentially methane-rich environments.
- Transport & Logistics Hubs – Fuel loading Bays & Truck Terminals – Installed at exit/entry points for rapid manual alerting during fuel spillage or ignition.
- Waste & Recycling Plants – manual call points allow quick alarm triggering during gas leaks or chemical fires.

5. WARRANTY :-

Standard Warranty : 12 months from date of invoice.

Covers : Manufacturing defects only

Excludes : Physical damage, misuse, improper installation, tampering.

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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