

STANDALONE SMOKE DETECTOR

Product Overview: The Standalone Smoke Detector is a DC9V (6F22 battery) powered, photoelectric smoke detector designed to offer early and reliable detection of smoke typically generated by smouldering fires. It is ideal for standalone usage where centralized fire detection systems are not required. Featuring a sleek design, high-sensitivity detection, and an integrated alarm sounder, the device provides cost-effective fire safety for a wide range of environments.

Its simple installation process and maintenance-free design make it an excellent choice for homeowners, business owners, and building operators seeking a reliable smoke detection solution with minimal infrastructure requirements.

1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
Type	Standalone Smoke Detector



2. TECHNICAL SPECIFICATIONS :-

Operating Voltage	DC 9V (6F22 Battery)
Alarm Current (Max)	$\leq 35 \mu\text{A}$
Static Current	$\leq 10 \mu\text{A}$
Sound Level	35 μA
Sensitivity	2.06% ft $\pm$ 1.35 ft
Detecting Area	80 m ² at 6-12 m height, 60 m ² at <6 m height
Operating Temperature	1°C $\pm$ 5°C
Humidity	$\leq 95\%$ RH (Non-Condensing)
Dimensions	Ø 128 mm $\times$ H 38 mm
Weight	Approximately 200g

3. KEY FEATURES :-

- Advanced Photoelectric Sensor Technology – Utilizes a slow-responsive optical chamber to detect visible smoke particles, making it especially effective in identifying smouldering fires, often missed by ionization detectors.
- Integrated Audible Alarm and Visual Indicators – Equipped with a built-in buzzer that emits a high-decibel alarm and a flashing RED LED for instant alert in case of smoke detection.
- RED LED Status Indicator – Flashes once every 45 seconds to indicate standby operation, providing visual confirmation that the device is active and operational.
- Tamper-Resistant Battery Compartment – Designed with pins to prevent unauthorized battery removal or tampering, improving the reliability of long-term operation.

- Low Battery Warning – Automatically alerts users when the battery level is low via buzzer and LED indicator, ensuring timely battery replacement.
- User-Test Functionality – Built-in test button allows users to perform routine operational checks, ensuring the smoke detector is functioning correctly.
- Completely Standalone Design – No external power supply or wiring is required, simplifying installation and making it ideal for retrofit projects and temporary setups.

4. APPLICATIONS :-

- Hotels and Hospitality Venues – Install in guest rooms, lobbies, corridors, and lounges for added safety without interfering with aesthetics.
- Offices and Commercial Spaces – Provides reliable smoke detection for workplaces, meeting rooms and server rooms.
- Residential Homes and Apartments – Ideal for bedrooms, living rooms, and hallway to ensure occupant safety, especially at night.
- Public Areas and Lounges – Offers peace of mind in busy public access areas where unattended electrical devices are common.

5. WARRANTY :-

This product comes with a one-year limited warranty provided by Palladium Safety Solutions Pvt. Ltd. The warranty covers manufacturing defects and failures under normal operating conditions. Damage caused by misuse, incorrect installation, tampering, or battery leakage is not covered.

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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