

## RESPONSE INDICATOR

**Product Overview:** We, Palladium Safety Solutions Pvt. Ltd., a leading manufacturer of Fire Alarm Systems, introduce the Response Indicator – a precision auxiliary device designed to complement automatic fire detection systems. This compact yet highly visible unit is engineered to quickly indicate the origin of an alarm signal from detectors located in concealed, restricted, or remote areas.

The Response Indicator is connected directly to a fire detector and features dual high-intensity LEDs that activate when the detector signals an alarm. This visual alert allows safety personnel to identify the exact location of the triggered detector with minimal delay, thus enabling faster evacuation and prompt intervention.

### 1. GENERAL DATA :-

|                  |                                      |
|------------------|--------------------------------------|
| Manufacturer     | Palladium Safety Solutions Pvt. Ltd. |
| Trade Mark/Brand | “PALEX”                              |
| Type             | Response Indicator                   |



### 2. TECHNICAL SPECIFICATIONS :-

|                       |                                            |
|-----------------------|--------------------------------------------|
| Power Input           | 12/24V AC                                  |
| Current Consumption   | 8 mA                                       |
| Construction          | Flame Retardant (FR) Polymer ABS Housing   |
| Flashing Type         | Dual LED Based                             |
| Weight                | 25gm                                       |
| Dimensions            | L 60 mm x D 36 mm x W 70 mm                |
| Colour                | White                                      |
| Mounting Type         | Surface Mount                              |
| Operating Temperature | -1-°C to +55°C (typical indoor conditions) |

### 3. KEY FEATURES :-

- Dual LED Visual Alert – Provides clear, high-brightness indication of detector activation.
- Instant Alarm Synchronization – LEDs illuminate the moment the connected detector signals an alarm.
- Compact Footprint – Ideal for narrow spaces like false ceilings, shafts, and concealed zones.
- Low Power Consumption (8mA) – Efficient operation ensures minimal load on the system.
- Durable Construction – Flame-retardant ABS polymer housing ensures long-term use under varying conditions.
- Universal Compatibility – Works with a wide range of conventional detectors (12/24V AC systems).
- Tamper-Resistant Design – Fixed with front screws for secure mounting and maintenance prevention.
- Easy Integration – Can be seamlessly installed in both new and retrofitted alarm systems.
- Surface-Mountable – Requires minimal depth for mounting and connects easily to the existing wiring network.

- Complies with Industry Standards – Designed to meet fire safety and signalling norms for commercial and residential setups.

#### **4. APPLICATIONS :-**

- False Ceilings and Ducts – Detectors mounted in hidden areas can be easily identified through the visible indicator.
- Server Rooms & IT Panels – Helps pinpoint activated detectors in restricted or sensitive zones.
- Hospitals and Labs – Minimizes disruption by visually signalling detector activation in cleanroom or controlled environments.
- Commercial Buildings – Malls, hotels, and office buildings where detectors are installed in concealed zones.
- Industrial Facilities – Warehouses, plants, and manufacturing units with complex ceiling layouts.
- Parking areas & Basements – Enhances visibility of alarms in low-light zones.
- Educational Institutions – Ensures quick response in classrooms and corridors with limited access to detectors.
- Residential High-Rises – Helps security personnel trace alarm origins in shared or hidden spaces.

#### **5. WARRANTY :-**

Palladium Safety Solutions Pvt. Ltd., offers a One-year limited warrant on the Response Indicator. This warranty covers defects in material and workmanship under normal use and installation conditions. The warranty does not extend to damage caused by misuse, unauthorized modification, and electrical surges.

**PALLADIUM SAFETY SOLUTIONS PVT. LTD.**

An ISO 9001 : 2015 Certified Company

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