

MANUAL ABORT UNIT

Product Overview: The Palex Manual Abort Unit is a highly reliable and essential component in any conventional fire detection and alarm system. Designed to provide manual triggering of fire alarms, this unit can be activated in emergencies by simply pressing the center area, which breaks the glass film and completes the alarm circuit.

Widely used across commercial, industrial, and institutional infrastructures, the unit comes with a thin breakable glass layer, dual LED indicators, and a robust flame-retardant (FR) polymer housing. It ensures easy visibility, fast response, and high durability.

1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
Type	Manual Abort Unit



2. TECHNICAL SPECIFICATIONS :-

Operating Voltage	20-26 VDC
Alarm Current	30 Ma
Flashing Type	Dual LED (Visual Indication During Alarm)
Weight	150gm
Dimensions (mm)	85 x 85x 50
Color Options	Green (Abort), Yellow (Gas Release)
Glass Type	Thin film – Breakable with Finger or Object
Mounting	Surface Mount (Wall Mounted)
Material of Construction	Flame Retardant (FR) Polymer Housing
Ingress Protection	IP 42 (Indoor Use)
Operating Temperature	0°C to +55°C
Storage Temperature	-10°C to +60°C
Relative Humidity	≤ 95% RH (Non-Condensing)
Wiring Terminals	Screw-Type, Pre-wired Connector Block

3. SPECIAL FEATURES :-

- Break Glass Type Manual Activation
- Dual LED-Based Flashing for Alarm Indication
- Durable Flame-Retardant FR Polymer Body
- Easy Surface Mounting and Maintenance
- Suitable for Conventional Fire Alarm Systems
- Pre-Wired Terminal Block for Fast Installation
- Available in Green and Yellow Color Options

4. APPLICATIONS :-

- Fire Alarm Systems – Manual Alarm Activation
- Gas Suppression Systems - Abort Trigger Unit
- Industrial Control Panels
- Server Rooms & Data Centers
- Power Plants & Process Areas
- Schools, Hospitals, Malls, and Commercial Buildings

5. INSTALLATION GUIDELINES :-

- Mount at an accessible height (typically 1.2-1.4m from the floor).
- Avoid installation near high-vibration or moisture-prone areas.
- Ensure wiring polarity is respected when connecting to FACP.
- Replace glass film after every manual activation.
- Use proper tamper-proof screws to prevent accidental tampering.

6. WARRANTY :-

- Warranty Period – 12 Months from date of invoice.
- Coverage – Manufacturing defects, electronic component failures.
- Exclusions – Physical damage, misuse, Tampering.

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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