Product Specification Sheet
WNC-Pendant-BD
Replacement Pendant Battery Door



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The WNC-Pendant-BD is a commercial-grade, high-impact replacement battery compartment door explicitly designed for standard wireless nurse call emergency pendants. Engineered to restore the structural and environmental integrity of the pendant transmitter after battery depletion or structural wear, this component ensures the battery remains securely seated under continuous clinical use. It features an integrated locking tab mechanism to prevent accidental dislodgement by patients or resident tampering, maintaining continuous device uptime.

Specifications

- **Material Composition:** Medical-grade, flame-retardant ABS/PC blend
- **Color / Finish:** Clinical Off-White / Matte textured anti-glare
- **Dimensions (Approx.):** 1.15" H × 0.85" W × 0.18" D (Matches OEM pendant housing)
- **Weight:** < 0.1 oz (approx. 2.8 grams)
- **Attachment Method:** Dual-groove hinge alignment with positive snap-lock latch
- **Chemical Resistance:** Isopropyl Alcohol (70%), Bleach-based wipes, Quaternary Ammonium compounds

Equipment Options

While the core SKU represents the standard replacement door, it can be provisioned alongside the following operational accessories:

- **WNC-BD-GASKET:** Optional internal silicone O-ring/gasket for facilities requiring enhanced liquid-ingress protection.
- **WNC-Pendant-BD-Bulk:** Bulk packaging configurations (packs of 10, 25, or 50) for large-scale facility retrofits and maintenance inventory.

Architects' and Engineers' Specifications

1.1 GENERAL

A. The contractor shall furnish and install genuine OEM-compatible replacement components for the wireless patient call pendants where structural integrity or latching mechanisms have been compromised.

B. The replacement battery door component shall bear part number WNC-Pendant-BD.

1.2 TECHNICAL & MATERIAL REQUIREMENTS

A. The battery door shall be constructed of an impact-resistant, injection-molded Acrylonitrile Butadiene Styrene and Polycarbonate (ABS/PC) blend capable of tolerating repetitive chemical sanitation protocols without fracturing or discoloring.

B. The component must feature an integrated, toolless locking tab that positively engages with the pendant housing to securely hold the internal power cell against a minimum drop force of 1.5 meters onto concrete.

C. The installation of the battery door shall restore the manufacturer's original tactile tolerances and profile constraints to eliminate clothing or lanyard snag hazards.

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Features

- **Precision Injection Molded:** Manufactured to exact tolerances to ensure a seamless, snap-fit seal with the host pendant chassis.
- **Reinforced Locking Tab:** Heavy-duty latch design engineered to withstand repeated drops, vibrations, and daily patient handling without shearing.
- **Sanitized-Ready Surface:** Smooth, non-porous exterior finish designed to resist degradation from harsh medical-grade chemical disinfectants.
- **Toolless Integration:** Designed for rapid, tool-less field replacement by clinical staff or facilities maintenance to minimize device downtime.
- **Contoured Low-Profile Design:** Flushed fitment prevents catch points on patient clothing, bed linens, or lanyards, minimizing accidental pocket-snags.
- **Internal Tension Ribbing:** Features molded internal stabilizer ribs that apply consistent downward pressure on the battery cell, preventing momentary power loss or contact-bounce during high-impact drops.

Compliance and Certification

Because this component forms an integral part of the protective enclosure of an RF-transmitting medical device, it is manufactured to satisfy the environmental and safety standards of the host system.

- **FCC Status:** Composed entirely of non-conductive, RF-transparent polymers; does not alter or interfere with the FCC Part 15 Class B certified emissions or tuning of the host pendant transmitter.
- **UL Flame Rating:** Molded from material compliant with UL 94V-0 (Self-extinguishing) flame rating for electronic enclosures.
- **RoHS Status:** 100% RoHS Compliant, free from hazardous lead, mercury, cadmium, and polybrominated biphenyls (PBB/PBDE).

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