

CUSTOM-FRAME

The CUSTOM-FRAME series provides a comprehensive line of commercial-grade retrofit adapter plates, trim rings, and upgrade frames designed to transition legacy nurse call or intercom wall openings to current-generation technology. When facilities upgrade their patient communications without undergoing costly drywall or structural masonry reconstruction, the CUSTOM-FRAME acts as the physical bridge.

It cleanly covers oversized, irregular, or damaged legacy backbox footprints (such as old 2-gang, 3-gang, 4-gang, or multi-tapped intercom boxes) while providing a high-precision mounting pattern for modern, low-profile nurse call stations, duty stations, or staff intercom units.

Specifications

- **Material Thickness:** 14-Gauge (Aluminum) / 18-Gauge (Stainless Steel) / 0.090" (ABS Composite)
- **Standard Finishes:** Brushed Stainless, Architectural Matte White, Custom Powder Coat (Optional)
- **Edge Profile:** 5-Degree internal/external bevel for a zero-gap wall seat
- **Mounting Compatibility:** Adapts to legacy 2, 3, 4-gang electrical boxes, as well as proprietary legacy enclosures
- **Inner Cutout Configuration:** Multi-gang device opening matching standard current wireless/wired station configurations
- **Chemical Tolerance:** Full resistance to hospital disinfectants (Clorox, CaviCide, 70% Isopropyl Alcohol)

Equipment Options

Because retrofit needs vary widely based on the legacy system being replaced, the CUSTOM-FRAME SKU is configurable using the following construction options:

- CUSTOM-FRAME-AL: Lightweight architectural anodized aluminum construction; optimal for cleanrooms and clinical corridors.
- CUSTOM-FRAME-SS: 18-Gauge #4 finish Stainless Steel construction; ideal for high-sanitation, intensive-care, and heavy-abuse environments.
- CUSTOM-FRAME-P: High-impact, flame-retardant ABS composite; cost-effective option color-matched to modern off-white nurse call plastic enclosures.
- CUSTOM-FRAME-CUS [Dimensions]: Custom-dimension laser cutting for non-standard, historical, or proprietary legacy master stations (specify height, width, and inner cutout when ordering).

Architects' and Engineers' Specifications

1.1 GENERAL

A. Where legacy patient stations, duty stations, or staff intercom stations are removed and replaced with current-technology nurse call hardware, the contractor shall furnish and install architectural retrofit adapter plates.
B. Retrofit adapter frames and plates shall bear the product model identifier CUSTOM-FRAME.

1.2 MATERIAL & ARCHITECTURAL REQUIREMENTS

A. Upgrade frames shall be constructed of (Select: 18-gauge /4 finish stainless steel / 14-gauge anodized aluminum / high-impact UL 94-V-0 rated ABS polymer) and must visually span the rough-in opening of the legacy device.
B. The adapter plate must provide a minimum of 0.50 inches of perimeter coverage beyond the edge of the existing wall box opening to conceal structural imperfections and historical finish lines.
C. The plate shall feature a low-profile, beveled perimeter to mitigate dust accumulation and prevent accidental catch points for medical carts or rolling equipment.
D. Grounding continuity must be maintained via a dedicated, integrated grounding point on all metallic frame models in accordance with local and national electrical codes.

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Product Specification Sheet
CUSTOM-FRAME

Features

- **Universal Multi-Pattern Punching:** Pre-drilled and tapped with multiple orientation matrices to adapt old architectural footprints to modern devices.
- **Oversized Trim Footprint:** Engineered with wide perimeters to cleanly conceal paint lines, torn wallpaper, and damaged drywall edges left by legacy hardware removal.
- **Heavy-Gauge Rigid Construction:** Fabricated from structural-grade metal or high-impact composite to prevent warping or flexing when patients or staff press station buttons.
- **Flush-to-Wall Alignment:** Features a shallow, beveled edge profile that matches architectural contours and ensures a tight, dust-resistant seal against uneven wall surfaces.
- **Tamper-Resistant Hardware Support:** Countersunk mounting holes accommodate security/Torx fasteners to prevent unauthorized removal in high-traffic or psychiatric care environments.
- **Integrated Grounding Stud:** Metal frame configurations feature a dedicated, pre-tapped grounding point to ensure continuous electrical continuity across retrofit hardware.

Compliance and Certification

As a structural mounting and enclosure accessory for life-safety signaling and intercom pathways, the CUSTOM-FRAME meets or exceeds the following regulatory benchmarks:

- **FCC Status:** Classified as an unregulated passive mechanical enclosure accessory. Metallic configurations provide localized passive RF shielding, while composite variations are RF-transparent, ensuring zero degradation to wireless pendant or station telemetry.
- **UL Flammability Rating:** Composite (ABS) variations are molded from material strictly compliant with UL 94-V-0 (self-extinguishing flame rating). Metallic variants comply with structural load requirements under UL 1069 (Standard for Hospital Signaling and Nurse Call Equipment) when paired with listed stations.
- **RoHS Status:** 100% RoHS Compliant. Free from lead, cadmium, hexavalent chromium, and restricted flame retardants (PBBs/PBDEs).

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