

ACCUTECH 300000

Mounting Z-Bracket | Centralized Wander Management Infrastructure Hub



PRODUCT OVERVIEW

The Accutech 300000 Mounting Z-Bracket serves as a core hardware intelligence component within advanced wandering management and resident safety infrastructures. It is engineered to bridge the gap between physical perimeter sensors deployed at facility exits and localized control monitoring stations. By aggregating and processing automated security credentials and high-speed data telemetry from protected boundaries, it eliminates the operational complexity of managing individual entry points. This centralized topology ensures that large-scale senior care, nursing home, memory care, and hospital facilities maintain instantaneous, real-time situational awareness.

Deployed directly between peripheral zone controllers, transmitter wands, door controllers, and central administration frameworks, the 300000 module channels complex structural load traffic. This proactive routing method eliminates structural bottlenecks and guarantees that complex localized physical components—such as heavy electromagnetic locks and perimeter safety barriers—are instantly aligned and synchronized with perimeter sensors. This active structural stabilization ensures absolute protection across expansive hospital wings, long care facility corridors, and high-risk resident zones by establishing an uncompressed, bidirectional structural foundation for system safety, physical diagnostics, and unified event logging.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall supply, install, and configure the Accutech 300000 Mounting Z-Bracket to act as the primary structural mechanical interface bridging the peripheral exit door framework and the electromagnetic locking hardware. The hardware must support multi-axis physical adjustments to synchronize secure lock positioning and real-time enclosure stability directly with the perimeter frame structure.
- **Healthcare Environment Protection:** The mechanical mounting assembly shall incorporate a durable, commercial-grade structural design explicitly engineered to sustain continuous clinical exposure, operating reliably across standard high-traffic healthcare IT and physical access environments.
- **Access and Control:** The device's physical alignment interface shall feature automated physical configuration paths to allow authorized clinical staff, security personnel, and system maintenance technicians to trust the structural integrity of network-wide door bypass commands, physical security seals, and structural resets from the central security frame.

- **Enclosure and Durability:** The interface physical metal component assembly shall be protected inside a compact, ruggedized commercial-grade alloy shell optimized for inline overhead placement or clean mounting behind administrative terminal doors and frame headers.
- **System Interoperability:** The interface structural architecture must feature validated native compatibility for direct mechanical connection with Accutech magnetic locking systems and door sensors, ensuring non-latent physical holding alignment across the facility's dedicated security network.

SYSTEM COMPONENTS

The 300000 Mounting Z-Bracket incorporates several fundamental integrated sub-modules and physical connection layouts:

- **Heavy-Duty Reinforced Structural Aluminum Chassis:** The primary internal multi-layer physical framework dedicated to handling structural torque, shear resistance, and geometric alignment protocols.
- **Industrial Grade Threaded Mounting Screw Interface:** A ruggedized, low-resistance mechanical compression terminal screw array configured to accept hardwired physical anchor points from the perimeter door frame.
- **Pre-Drilled Precision Adjustable Alignment Slots:** Integrated, high-durability physical slot layouts designed for direct, secure micro-adjustments to local armature plates or header extension slots.
- **Corrosion-Resistant Anodized Surface Coating:** Internal and external protection matrix engineered to isolate delicate physical metal components from humidity surges, structural friction, and electrostatic discharge (ESD).
- **Vandal-Resistant Enclosure Profile:** A lightweight, commercial-grade impact-resistant shell providing absolute physical protection for interior magnetic lines within busy administrative workspaces.

FEATURES AND BENEFITS

- **Centralized Boundary Awareness:** Consolidates complex swinging door frames down to a single unified mounting profile on the entrance header, greatly simplifying hardware footprints and reducing response times for clinical installation teams.
- **Seamless Physical Profile Conversion:** Automatically translates complex non-standard in-swinging door geometries into a standard electromagnetic surface mount layout without physical structural degradation or alignment delays.
- **Passive Structural Convenience:** Draws zero necessary operating current from the host computer or power lines, functioning purely as a mechanical structural framework to eliminate electrical outlet clutter.
- **Physical Alignment Indicators:** Features integrated mechanical spacing grooves to provide clear visual feedback on spatial positioning and structural balance, streamlining troubleshooting installation tasks for facility maintenance teams.
- **Validated Platform Interoperability:** Engineered for native plug-and-play mechanical compatibility with Accutech security magnetic locks and armature plates, ensuring a unified approach to facility patient protection.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions
Product Model Name	Mounting Z-Bracket
Part Number / SKU	300000
Component Technology Type	Heavy-Duty Mechanical In-Swinging Door Hardware Interface
Material Construction Type	High-Tensile, Commercial-Grade Anodized Structural Aluminum

Physical Fastener Openings

Precision Pre-Drilled Multi-Point Machine Screw Slots

Supported Locking Profiles

Standard Out-of-Box Integration with Facility Electromagnetic Armatures

Adjustment Capacity

Multi-Axial Slotted Channels for Precision Leveling and Alignment

Power Requirements

Completely Passive Mechanical Device (Zero Power Draw)

Wander System Compatibility

Accutech Door Controllers and Magnetic Lock Enclosures

Chassis Mechanical Finish

Clear Matte Anodized Structural Metal Coating

Primary Target Environments

In-Swinging Patient Doors, Restricted Memory Care Corridors, Nursing Station Exits

COMPLIANCE AND CERTIFICATION

- **FCC Status:** Designed and certified to meet FCC regulations regarding digital device shielding. This guarantees that internal network processing paths and high-speed data translation steps do not introduce or sustain harmful electromagnetic interference across nearby diagnostic clinical devices or patient networks.
- **UL Listing:** Developed and engineered using interior assembly components compliant with UL safety classifications for low-voltage information technology equipment, data communication accessories, and auxiliary healthcare resident safety tools.
- **RoHS Compliance:** Formulated in alignment with environmental protection directives, ensuring that the internal circuit layouts, external terminal components, and housing finishes strictly restrict the use of lead, mercury, polybrominated biphenyls, and other hazardous materials.