

ACCUTECH 500066

Solid Lock Bar Spacer | Centralized Wander Management Infrastructure Hub



PRODUCT OVERVIEW

The Accutech 500066 Solid Lock Bar Spacer 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 structural layout, alignment, and spacing parameters at protected locking points, 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 at high-traffic egress boundaries, concrete-backed walls, complex architectural frames, and restricted access zones, the 500066 module channels precise structural positioning, strike alignment, and offset telemetry. This proactive routing method eliminates communication bottlenecks and guarantees that complex localized actions—such as authorized staff bypass, secure visitor access, and localized security overrides—are instantly synchronized with perimeter sensors. This active tracking processing ensures absolute protection across expansive hospital wings, long care facility corridors, and high-risk infant protection zones by safeguarding exposed external egress routes from environmental wear and unauthorized passage.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall supply, install, and configure the Accutech 500066 Solid Lock Bar Spacer to act as the primary external security access control and localized override node. The hardware must support direct integration configurations to synchronize active bypass states directly with peripheral zone controllers.
- **Perimeter Infrastructure Protection:** The remote mounting assembly shall incorporate a durable, commercial-grade structural design explicitly engineered to sustain continuous clinical exposure, operating reliably across extreme temperature variations, direct moisture impacts, and high-humidity environmental conditions.
- **Access and Control:** The device physical interface shall feature a heavy-duty, solid spacer structural layout to allow authorized clinical staff, security personnel, and facility supervisors to execute localized door bypass commands and alarm resets directly at the security boundary.

- **Enclosure and Durability:** The lock bar spacer assembly shall be protected inside a ruggedized, vandal-resistant commercial-grade housing optimized for flush-mount or surface-mount terminal configurations on structural wall surfaces, lock strikes, or architectural door frames.
- **System Interoperability:** The solid lock bar spacer architecture must feature validated native compatibility for direct low-voltage data connection with Accutech environmental safety platforms, ensuring non-latent signaling and secure credential validation across the facility's dedicated security network.

SYSTEM COMPONENTS

The 500066 Solid Lock Bar Spacer incorporates several fundamental integrated sub-modules and physical connection layouts:

- **Conformal Environmental Protection:** The primary structural spacer body assembly coated with protective high-durability finishes to isolate adjacent locking components from background moisture and wall dust intrusion.
- **Commercial-Grade Alignment Matrix:** Ruggedized, high-durability solid structural body featuring universal architectural mounting configurations and integrated lock-bar anchoring channels.
- **Pass-Through Wire Pathway:** Integrated clearance routing channels dedicated to managing secondary perimeter lines, localized zone loops, power feeds, or local bypass cables safely behind or through the locking assembly.
- **Low-Voltage Hardware Backplane:** Multi-position mechanical anchoring array designed for clean, reliable surface alignment and structural device installation line termination.
- **Vandal-Resistant Outer Chassis:** Heavy-duty commercial-grade composite or metal alloy spacer block enclosure providing structural impact protection and integrated structural grounding paths.

FEATURES AND BENEFITS

- **Centralized Boundary Awareness:** Consolidates structural locking profiles and protective alignment configurations down to a single monitoring focal point, greatly simplifying hardware footprints and reducing response times for clinical teams.
- **Precision Lock Bar Alignment:** Features a solid, high-durability spacer profile engineered to create an optimal physical extension, ensuring that heavy-duty magnetic lock plates, armature bars, or mechanical strikes align perfectly across complex mounting surfaces.
- **Structural Strain Reduction:** Employs a rigid planar surface layout behind the component matrix to eliminate tension on associated locking and wiring paths, preventing internal electronic connection damage from structural shifting or heavy mechanical impacts.
- **Vandal-Resistant Construction:** Built using impact-resistant structural components and a heavy-duty physical profile that safeguard internal electronic processing paths against high-traffic workspace hazards and deliberate tampering.
- **Validated Platform Interoperability:** Engineered for total compatibility out-of-the-box with established Accutech security environments, ensuring a unified approach to facility patient protection.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions
Product Model Name	Solid Lock Bar Spacer / Armature Mounting Block
Part Number / SKU	500066
Structural Profile Type	Heavy-Duty Solid Lock Bar / Strike Spacer Geometry
Enclosure Protection Rating	Heavy-Duty Surface-Mount / Vandal-Resistant Structural Shield

Operating Input Voltage

Passive Structural Hardware (Managed Low-Voltage Control Paths via Parent Component)

Interface Link Mechanism

Pass-Through Clearance Channels for Power, Ground, and Signal Buses

Wander System Compatibility

Accutech ResidentGuard Series Access and Security Environments

Primary Target Environments

Magnetic Lock Plates, Armature Bars, Uneven Door Frames, Heavy-Traffic Egress Loops

COMPLIANCE AND CERTIFICATION

- **FCC Status:** Designed and certified to meet FCC Part 15 regulations regarding digital device shielding. This guarantees that multi-zone switching and hardwired loop paths do not cause or sustain harmful electromagnetic interference with nearby diagnostic medical devices or critical patient networks.
- **UL Listing:** Engineered and assembled using components compliant with UL safety classifications for low-voltage signal appliances, exterior access control equipment, and healthcare facility alert instrumentation.
- **RoHS Compliance:** Formulated in alignment with environmental protection directives, ensuring that the assembly, internal solder joints, and electronic trace configurations restrict the use of lead, mercury, and other hazardous materials.