

ACCUTECH 700233

Single/Inswing Lock Kit | Patient Wander Management Delayed Egress Interlocking Node



PRODUCT OVERVIEW

The Accutech 700233 Single/Inswing Lock Kit is an enterprise-grade, electro-mechanical locking solution engineered to integrate seamlessly with specialized healthcare security infrastructures, including wander management and resident tracking systems. Designed to secure, monitor, and control single, inward-swinging physical perimeter doors, this hardware kit enables specialized healthcare facilities to maintain tight situational awareness. The system provides immediate mechanical restriction upon localized tag detection, giving caregivers, security personnel, and administrators localized control to rapidly mitigate unauthorized resident exit attempts or patient elopement events.

Deployed directly at critical facility boundaries, corridors, and emergency exits, the 700233 kit channels door status telemetry back to the centralized zone controller. This proactive hardware layout prevents premature door release during active tracking cycles, ensuring that physical access controls are instantly synchronized with tracking sensors. This active locking processing provides robust protection across high-risk perimeter doors, delivery zones, and memory care wing boundaries, delivering complete protection and physical security during system alerts.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall furnish, install, and configure the Accutech 700233 Single/Inswing Lock Kit to act as the primary electro-mechanical interlocking mechanism on single inward-swinging doors where indicated on the plans. The hardware must interface directly with localized zone controllers to manage secure structural egress.
- **Interlocking Control:** The locking system shall natively support automated magnetic release parameters driven by environmental safety controllers, executing instantaneous structural unlocking upon fire alarm system activation or dedicated system override commands.
- **Integration Capabilities:** The lock kit must feature a hardwired interface architecture designed for direct interoperability with specialized environmental security frameworks, explicitly including Accutech resident guard and patient tracking platforms, to deliver physical door containment upon resident proximity detection.
- **Operational Reliability:** The hardware configuration shall facilitate local maintenance adjustments, incorporating heavy-duty structural reinforcement brackets to maintain accurate latch alignment and positive interlocking performance without needing extensive physical redesign of the door frame.

- **Enclosure and Durability:** The structural electro-magnetic lock and mechanical brackets shall be constructed from architectural-grade, heavy-duty commercial metal materials optimized to withstand continuous physical impacts, door-slam vibrations, and wear in high-traffic 24/7 healthcare environments.

SYSTEM COMPONENTS

The 700233 Lock Kit deployment comprises the following primary hardware modules and interface elements:

- **Electro-Magnetic Lock Assembly:** High-holding-force electromagnetic lock chassis designed for stable low-voltage physical securement.
- **Armature Plate & Housing:** Precision-machined metal striking armature with integrated rubber shock-absorption hardware to damp physical impacts.
- **Inswing Mounting Bracket Set:** Specialized structural Z-brackets and top-jamb brackets engineered specifically to adapt standard magnetic fields to inward-swinging doors.
- **Hardware Fastener Pack:** Complete set of high-tensile mounting screws, alignment pins, security sex-bolts, and thread-locking compounds.
- **Interconnect Wiring Harness:** Multi-conductor low-voltage electrical lead cables configured to deliver positive power connections and feedback loops to the zone controller.

FEATURES AND BENEFITS

- **Targeted Inswing Adaptation:** Specially engineered for single inward-swinging doors, eliminating the need for custom-fabricated brackets or non-compliant field modifications to commercial door frames.
- **Instantaneous Magnetic Release:** Drops magnetic holding power immediately upon receiving a valid staff bypass code, fire alarm trigger, or emergency system power-down command.
- **High-Force Structural Containment:** Provides reliable, commercial-grade physical holding force to actively resist unauthorized exit attempts by disoriented residents.
- **Zero-Wear Moving Components:** Designed without internal moving parts prone to friction, ensuring long-term operational lifespan and lower maintenance costs compared to purely mechanical latches.
- **Seamless Controller Integration:** Integrates cleanly with existing low-voltage security paths, allowing zone controllers to actively monitor whether the perimeter boundary is physically secure or compromised.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions
Product Model Name	Single/Inswing Lock Kit
Part Number / SKU	700233
Lock Type Compatibility	Electro-Magnetic Lock Configuration
Door Swing Profile	Single Inward-Swinging (Inswing) Doors
Operating Input Voltage	12V DC / 24V DC Field-Selectable Operation
Holding Force Threshold	Heavy-Duty Commercial Grade Holding Capacity

Monitoring Output Signal

Integrated Door Position Sensor / Magnetic Bond Contacts

Structural Build Materials

Architectural Brushed Aluminum and Anodized Steel Brackets

Primary System Compatibility

Accutech ResidentGuard LC 1200 / LS 2400 Zone Controllers

Primary Target Environments

Hospitals, Memory Care Wings, Assisted Living Facilities, Nursing Homes

COMPLIANCE AND CERTIFICATION

- **FCC Status:** Compliant with FCC Part 15 regulations for digital shielding, ensuring minimal electromagnetic and radio-frequency emission interference with sensitive medical and diagnostic equipment.
- **UL Listing:** Fabricated to satisfy UL auxiliary lock safety standards for access control systems, life safety egress systems, and low-voltage medical facility alert instrumentation.
- **RoHS Compliance:** Fully compliant with Restriction of Hazardous Substances (RoHS) directives, ensuring the elimination of hazardous heavy metals within the electro-mechanical coil and internal electronic paths.