

ACCUTECH 700210

DE Lock Thumbwheel | Centralized Wander Management Infrastructure Hub



PRODUCT OVERVIEW

The Accutech 700210 DE Lock Thumbwheel 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 manual locking tension and mechanical alignment parameters at protected entry 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, specialized delayed egress (DE) lock sets, mechanical armor plates, and restricted access zones, the 700210 module channels precise rotational adjustment and structural locking 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 700210 DE Lock Thumbwheel 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 lock adjustment 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, knurled thumbwheel turning 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 adjustment cylinder assembly shall be protected inside a ruggedized, vandal-resistant commercial-grade housing optimized for flush-mount or surface-mount configurations on delayed egress magnetic chassis, mechanical lock bodies, or architectural door frames.
- **System Interoperability:** The thumbwheel lock 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 700210 DE Lock Thumbwheel incorporates several fundamental integrated sub-modules and physical connection layouts:

- **Conformal Environmental Protection:** The primary structural adjustment body assembly coated with protective high-durability finishes to isolate adjacent locking components from background moisture and wall dust intrusion.
- **Commercial-Grade Adjustment Matrix:** Ruggedized, high-durability mechanical threaded cylinder featuring a high-traction knurled thumbwheel perimeter and integrated lock alignment configurations.
- **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 or sensor 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 housing enclosure providing structural impact protection and integrated structural grounding paths.

FEATURES AND BENEFITS

- **Centralized Boundary Awareness:** Consolidates manual perimeter locking adjustment and mechanical hardware alignment states down to a single monitoring focal point, greatly simplifying hardware footprints and reducing response times for clinical teams.
- **Precision Delayed Egress (DE) Calibration:** Features a multi-position threaded rotational matrix engineered to provide minute adjustments to underlying locking mechanisms, ensuring tight seals and perfect alignment at the frame loop.
- **Tool-Less Workspace Calibration:** Employs an ergonomic, high-traction thumbwheel surface layout behind the housing boundary to guarantee manual hand-adjustments, eliminating the need for auxiliary maintenance toolsets during emergency field resets.
- **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	DE Lock Thumbwheel / Adjustment Cylinder
Part Number / SKU	700210
Structural Component Type	Rotational Delayed Egress Locking Assembly
Enclosure Protection Rating	Heavy-Duty Integrated Lock Assembly / Vandal-Resistant Shield

Operating Input Voltage

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

Interface Link Mechanism

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

Wander System Compatibility

Accutech ResidentGuard Series Access and Security Environments

Primary Target Environments

Delayed Egress (DE) Magnetic Locks, Armature Assemblies, Commercial Perimeter Frames

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 enclosed 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 structural materials, and metal or composite trace configurations restrict the use of lead, mercury, and other hazardous materials.