

ACCUTECH ACT-M1200

3000 Dynalock Magnetic Lock | Patient Wander Management Heavy-Duty Interlocking Node



PRODUCT OVERVIEW

The Accutech ACT-M1200 3000 Dynalock Magnetic Lock is an enterprise-grade, high-strength electro-magnetic locking solution engineered to integrate seamlessly with specialized healthcare security infrastructures, including resident wander management and life safety tracking frameworks. Designed to physically secure, monitor, and manage critical facility exit lanes and perimeter doors, this heavy-duty lock assembly delivers instantaneous containment without a time-delay sequence. When a monitored resident wearing an active tracking tag enters the detection zone, the system immediately maintains full magnetic holding force to prevent unauthorized exit attempts or patient elopement events.

Deployed across restricted access pathways, stairwells, and memory care wing boundaries, the ACT-M1200 hardware configuration ensures that physical access controls are instantly synchronized with environmental sensors. The lock balances immediate containment needs with rigid building safety codes, featuring integrated status outputs that interface cleanly with local nurse call stations, remote alarms, and central monitoring consoles. This proactive containment node provides complete protection across high-risk perimeter doors, delivery zones, and specialized clinical care boundaries.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall furnish, install, and configure the Accutech ACT-M1200 3000 Dynalock Magnetic Lock as a high-strength magnetic locking assembly where indicated on the plans. The locking hardware must interface directly with localized zone controllers to manage secure structural perimeter boundaries.
- **Instantaneous Interlocking Control:** Upon active tag detection by the wander management system, the lock assembly shall immediately engage and maintain full physical holding force without initiating a delayed egress countdown cycle. The lock must remain secured for the duration of the tracking sensor trigger or until a valid bypass command is verified.
- **Life Safety Overrides:** The locking system must incorporate direct hardwired interfaces for building fire alarm control panel tie-ins. The mechanism shall support automatic physical releasing parameters, instantly dropping magnetic holding force to 0 lbs upon fire panel activation, building power failures, or dedicated remote system override inputs.

- **Integration Capabilities:** The lock assembly 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 immediate physical door containment upon proximity alerts.
- **Durability and Finish:** The electro-magnetic lock chassis and mounting plate assembly shall be constructed from architectural-grade, heavy-duty anodized metals optimized to withstand continuous physical impacts, door-slam vibrations, and structural wear in high-traffic 24/7 healthcare environments.

SYSTEM COMPONENTS

The ACT-M1200 3000 Dynalock Magnetic Lock configuration comprises the following hardware modules and physical interface elements:

- **Electro-Magnetic Lock Chassis:** Heavy-duty, surface-mounted maglock housing featuring a high-performance electromagnetic coil and integrated magnetic bond sensors.
- **Armature Plate Assembly:** Precision-machined steel striking armature kit with specialized rubber shock-absorption hardware designed to damp physical door impacts.
- **Adjustable Mounting Plate:** Specialized structural baseplate engineered to facilitate straightforward alignment and rigid securement to standard commercial door headers.
- **Interconnect Wiring Block:** Standardized multi-conductor low-voltage electrical terminal block optimized for fire panel, zone controller, and secondary alert integrations.
- **Hardware Fastener Pack:** Complete set of high-tensile structural mounting screws, alignment templates, blind nut tools, and security fasteners.

FEATURES AND BENEFITS

- **Instant Proximity Containment:** Engages magnetic holding force immediately when a monitored resident approaches the exit boundary, stopping elopement events before the door can be opened.
- **Robust High-Strength Resistance:** Delivers up to 1200 lbs of physical magnetic holding force to reliably withstand forced exit attempts by disoriented residents or unauthorized personnel.
- **Code-Compliant Emergency Release:** Auto-sensing low-voltage lines drop all holding power instantly during fire panel trips or power losses, ensuring open, fail-safe emergency exit routing.
- **Integrated Status Telemetry:** Features built-in bond sensors and door position outputs to let monitoring systems actively verify whether the boundary is physically secure, unbonded, or forced.
- **Zero-Wear Mechanical Design:** Built without internal moving components prone to friction or mechanical binding, ensuring a long operational lifespan and lower long-term maintenance costs.
- **Seamless Infrastructure Hookup:** Provides clean low-voltage relay paths for straightforward connection to Accutech wander prevention zones, local CCTV triggers, and centralized nurse call stations.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions / Dynalock Corporation
Product Model Name	3000 Series Electromagnetic Lock
Part Number / SKU	ACT-M1200
Lock Type Configuration	Electro-Magnetic Lock (Non-Delayed / Instant Interlock)

Physical Holding Force	Up to 1200 lbs Holding Threshold
Operating Input Voltage	12V DC / 24V DC Field-Selectable Operation
Average Current Draw	500mA @ 12VDC / 250mA @ 24VDC
Monitoring Output Signal	Integrated Dynastat Magnetic Bond Sensor / Door Position Status Relays
Structural Build Finish	Architectural Satin Aluminum Premium Metal Finish
Primary System Compatibility	Accutech ResidentGuard LS 2400 / LC 1200 / IS 3200 Architectures
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 clean internal circuit paths that do not introduce electromagnetic or radio-frequency interference with sensitive clinical devices.
- **UL Listing:** Fabricated to satisfy UL auxiliary lock safety standards and UL 10C for Access Control System Units, life safety egress paths, and low-voltage medical facility alert instrumentation.
- **RoHS Compliance:** Fully compliant with Restriction of Hazardous Substances (RoHS) environmental guidelines, verifying the elimination of hazardous heavy metals within the internal coils and metal housings.