ACCUTECH 800112

ES Double Elevator Kit (Remote) | Centralized Wander Management Infrastructure Hub

PRODUCT OVERVIEW

The Accutech 800112 ES Double Elevator Kit (Remote) 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, elevator travel relays, and central administration frameworks, the 800112 module channels complex serial data traffic. 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 resident zones by establishing an uncompressed, bidirectional data pipeline for system programming, real-time diagnostics, and unified event logging while actively restricting elevator cab movement through a specialized remote configuration optimized for installations where processing hardware must be separated from lobby perimeter zones.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall supply, install, and configure the Accutech 800112 ES Double Elevator Kit (Remote) to act as the primary data and control interface bridging the dual-elevator containment network and the central management workstation. The hardware must support bidirectional communication to synchronize active bypass states, elevator cab disable relays, and real-time controller logs directly with the host computer software.
- **Healthcare Environment Protection:** The specialized remote elevator controller 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 heavy-duty vertical transit environments.
- **Access and Control:** The device's physical data interface shall feature automated data direction control paths to allow authorized clinical staff, security personnel, and system administrators to issue network-wide bypass commands, hardware configuration adjustments, and elevator door/cab alarm resets from the central software console.
- **Enclosure and Durability:** The interface electronic component assembly shall be protected inside a compact, ruggedized commercial-grade enclosure cabinet optimized for remote mounting in centralized IT equipment rooms or electrical shafts while interfacing with distant lobby landing zones.
- **System Interoperability:** The elevator control kit architecture must feature validated native compatibility for direct connection with Accutech wander management systems, ensuring non-latent containment signaling across the facility's dedicated security network.

SYSTEM COMPONENTS

The 800112 ES Double Elevator Kit (Remote) incorporates several fundamental integrated sub-modules and physical connection layouts:

- **Remote Dual-Shaft High-Speed Microprocessor Core:** The primary internal multi-layer integrated circuit board assembly dedicated to managing independent synchronization, zone mapping, and bidirectional protocol routing for two separate elevator shafts from a remote hub.
- **Industrial Dual-Elevator Isolation Relay Interface:** A heavy-duty, low-resistance mechanical compression relay interface configured to interlock hardwired travel lines, door-open circuitry, and call buttons directly into the elevator controller network.
- **Dedicated Remote Antenna Connection Interface:** An integrated, high-durability physical port layout designed for a direct, secure connection to distant peripheral loop or whip antennas to project RF zones across both elevator landing frames.
- **Transient Voltage & Frequency Isolation Array:** Internal safety circuitry engineered to isolate delicate computing components from heavy elevator motor data line surges, grounding faults, and inductive feedback spikes.
- **Vandal-Resistant Administrative Enclosure Matrix:** A lightweight, commercial-grade impact-resistant locking steel shell providing absolute physical security for interior circuits within active equipment rooms.

FEATURES AND BENEFITS

- **Centralized Boundary Awareness:** Consolidates up to two independent peripheral elevator shaft channels and lobby landing sensors down to a single physical infrastructure connection on the administration server, greatly simplifying hardware footprints and reducing response times for clinical teams.
- **Seamless Protocol Conversion:** Automatically translates complex vertical transit data, call button inputs, and radio frequency fields into standard virtual infrastructure layouts without data packet loss or communication delays.
- **Flexible Remote Deployment Architecture:** Allows processing hardware to be securely mounted away from public lobbies or elevator vestibules, safeguarding system logic from local tampering while managing multi-door vertical perimeters.
- **Diagnostic Status Indicators:** Features integrated board-level visual LED feedback loops to provide clear confirmation on data transmission, loop relay closure, and incoming power, streamlining troubleshooting tasks for facility maintenance teams.
- **Validated Platform Interoperability:** Engineered for native plug-and-play compatibility with Accutech security networks and software suites, ensuring a unified approach to facility patient protection.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions
Product Model Name	ES Double Elevator Kit (Remote) Component Assembly
Part Number / SKU	800112

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Component Technology Type	Dual-Shaft Intelligent Remote Elevator Interlock Interface & Processing Controller
Containment Capacity	Manages Up to Two (2) Independent Elevator Cabs / Lobbies Simultaneously
Device Interface Port	Heavy-Duty Mechanical Screw Terminal Blocks & Remote Antenna Lead Terminals
Relay Interlock Contacts	Form C Dry Relay Outputs (Door Disable / Travel Intercept Control)
Input Operating Voltage	12 VDC System Nominal Supply Loop Target
Visual Diagnostic Indicators	On-Board LED Matrix for Power Input, Active Relay State, and Data Flow Verification
Wander System Compatibility	Accutech ResidentGuard, ES platforms, and Central System Infrastructures
Chassis Cabinet Construction	Heavy-Gauge Lockable Metal Enclosure Box / High-Impact Protection Matrix
Primary Target Environments	Equipment Closets, Remote Motor Rooms, Shaft Headers, Central IT Hubs

COMPLIANCE AND CERTIFICATION

- **FCC Status:** Designed and certified to meet FCC regulations regarding digital device shielding. This guarantees that internal motor microprocessors, switching pathways, 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 access control locking mechanisms, information technology equipment, 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.