

ACCUTECH 700027

Elevator Deactivation | Centralized Wander Management Infrastructure Hub

PRODUCT OVERVIEW

The Accutech 700027 Elevator Deactivation module 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, and central administration computers running management software, the 700027 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 overriding standard vertical transportation operations to prevent monitored residents from utilizing designated elevator shafts.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall supply, install, and configure the Accutech 700027 Elevator Deactivation interface to act as the primary data interface bridging the peripheral exit network and the central management workstation. The hardware must support bidirectional communication to synchronize active bypass states and real-time controller logs directly with the host computer software.
- **Healthcare Environment Protection:** The data translation assembly shall incorporate a durable, commercial-grade structural design explicitly engineered to sustain continuous clinical exposure, operating reliably across standard high-traffic healthcare IT 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 alarm resets from the central software console.
- **Enclosure and Durability:** The interface electronic component assembly shall be protected inside a compact, ruggedized commercial-grade housing optimized for inline placement or clean mounting behind administrative terminal workstations or inside elevator control closets.
- **System Interoperability:** The interface architecture must feature validated native compatibility for direct connection with Accutech wander management systems, ensuring non-latent deactivation signaling across the facility's dedicated security network.

SYSTEM COMPONENTS

The 700027 Elevator Deactivation module incorporates several fundamental integrated sub-modules and physical connection layouts:

- **High-Speed Logic Control Chipset:** The primary internal multi-layer integrated circuit board dedicated to handling automated signal sensing and bidirectional elevator call isolation protocols.
- **Industrial Elevator Relay Terminal Block:** A ruggedized, low-resistance mechanical compression terminal interface configured to accept hardwired interlock communication lines from the elevator controller matrix.
- **Dedicated Call Intercept Interface Connector:** An integrated, high-durability physical port layout designed for a direct, secure connection to local auxiliary relay systems or server expansion slots.
- **Transient Voltage Protection Array:** Internal safety circuitry engineered to isolate delicate computing components from data line surges, grounding anomalies, and electrostatic discharge (ESD).
- **Vandal-Resistant Enclosure Matrix:** A lightweight, commercial-grade impact-resistant shell providing absolute physical protection for interior circuits within busy administrative or mechanical workspaces.

FEATURES AND BENEFITS

- **Centralized Boundary Awareness:** Consolidates multiple peripheral controller channels down to a single interface connection on the administration server, greatly simplifying hardware footprints and reducing response times for clinical teams.
- **Seamless Protocol Conversion:** Automatically translates complex industrial relay signals into standard virtual state layouts without data packet loss or communication delays.
- **Vertical Egress Restriction:** Safely interrupts elevator button inputs and call commands when a tracked resident enters the zone, mitigating high-risk vertical flight risks without obstructing standard staff operations.
- **Diagnostic Status Indicators:** Features integrated LED status lights to provide clear visual feedback on data transmission and relay activation states, 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	Elevator Deactivation Component
Part Number / SKU	700027
Component Technology Type	Bidirectional Industrial Protocol Converter & Elevator Interface Relay
Host Control Interface	Supervised Low-Voltage Wire Connections

Device Interface Port	Industrial Screw Terminal Interconnect Relay Configurations
Operational Relay State	Normally Open (N/O) / Normally Closed (N/C) Contacts
Input Operating Voltage	12 Vgress DC Operating Loop Target
Visual Diagnostic Indicators	Dedicated LED Status Feedback Arrays for Power and Active Relay Triggers
Wander System Compatibility	Accutech ResidentGuard, LC Series, and Integrated Multi-Zone Environments
Chassis Construction	High-Impact, Commercial-Grade Structural Thermoplastic / Composite Shell
Primary Target Environments	Elevator Control Rooms, Mechanical Shaft Closets, Central Security Command Hubs

COMPLIANCE AND CERTIFICATION

- **FCC Status:** Designed and certified to meet FCC regulations regarding digital device shielding. This guarantees that internal serial processing paths 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 information technology equipment, data communication accessories, signaling devices, 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.