

ACCUTECH 700403

Wireless Staff Alert Panel | Centralized Wander Management Notification Hub

PRODUCT OVERVIEW

The Accutech 700403 Wireless Staff Alert Panel 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 frameworks, the 700403 module channels complex wireless and serial data traffic. This proactive routing method eliminates communication bottlenecks and guarantees that complex localized actions—such as door open anomalies, equipment tampering, or fire alarm activations—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, wireless data pipeline for real-time diagnostic status tracking and unified event logging.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall supply, install, and configure the Accutech 700403 Wireless Staff Alert Panel to act as the primary notification interface bridging the peripheral exit network and the central management workstation. The hardware must support multi-channel wireless communication to synchronize active alarm states and zone-specific controller logs directly with the station.
- **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 environments, nursing homes, and memory care facilities.
- **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 read network-wide alarm triggers and localized security overrides directly from the terminal console.
- **Enclosure and Durability:** The interface electronic component assembly shall be protected inside a compact, ruggedized commercial-grade housing optimized for surface placement or clean flush-mounting behind administrative terminal workstations and nurses' stations.
- **System Interoperability:** The interface architecture must feature validated native compatibility for direct connection with Accutech LC wander management controllers, ensuring non-latent notification signaling across the facility's dedicated wireless security network.

SYSTEM COMPONENTS

The 700403 Wireless Staff Alert Panel incorporates several fundamental integrated sub-modules and physical connection layouts:

- **High-Speed Wireless Processing Logic Board:** The primary internal circuit layout dedicated to handling automated multi-zone wireless tracking and bidirectional data conversion protocols.
- **Integrated Wireless Transceiver Module:** A built-in RF antenna array configured to accept supervised wireless communication lines from the door controller network without physical data cables.
- **Zone-Specific Diagnostic LED Array:** Integrated, high-visibility solid and flashing status indicator layouts designed for immediate, line-of-sight verification of active boundary events.
- **High-Output Piezoelectric Audio Buzzer:** An internal acoustic safety warning module engineered to emit distinct, audible alerts instantly upon receiving a zone threat or fire alarm signal.
- **Commercial-Grade Enclosure Matrix:** A lightweight, impact-resistant structural shell providing absolute physical protection for interior control circuits within busy administrative workspaces.

FEATURES AND BENEFITS

- **Centralized Boundary Awareness:** Consolidates multiple peripheral controller channels down to a single wireless alert panel connection, greatly simplifying hardware footprints and reducing response times for clinical teams.
- **Wireless Signal Integration:** Eliminates the physical wiring constraints associated with traditional control links by communicating over secure, supervised RF channels.
- **Low-Voltage Power Efficiency:** Draws low operational current directly from the host environment's secondary DC supply loop, eliminating the need for high-voltage facility power deployment at the terminal.
- **Dedicated Fire Circuit Indicator:** Features an integrated "Fire Alarm" LED pathway that overrides standard notification routines to alert staff when the master safety loop is tripped.
- **Validated Platform Interoperability:** Engineered for native plug-and-play compatibility with the Accutech ResidentGuard and LC series networks, ensuring a unified approach to facility patient protection.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions
Product Model Name	Wireless Staff Alert Panel
Part Number / SKU	700403
Component Technology Type	Centralized Wireless Multi-Zone Alarm Monitoring & Visual-Audio Notification Hub
Wireless Communications	Supervised Radio Frequency (RF) Channels
Device Interface Port	Industrial DC Input & Configuration Programming Interface Port Layout
Operating Input Voltage	12 VDC Nominal Input

Current Consumption	300 mA maximum
Acoustic Warning Mechanism	Internal Piezoelectric Audio Buzzer
Wander System Compatibility	Accutech ResidentGuard, LC1400, and LS2400 System Environments
Chassis Construction	High-Impact, Commercial-Grade Structural Thermoplastic Shell Matrix
Primary Target Environments	Nurses' Stations, Central Security Command Terminals, Long-Term Care Front Desks

COMPLIANCE AND CERTIFICATION

- **FCC Status:** Designed and certified to meet FCC Part 15 regulations regarding digital and wireless device shielding. This guarantees that internal notification processing paths, transceiver arrays, and high-speed data modules 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, access control notification systems, 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.