

ACCUTECH 700096-2

LC Staff Alert Panel | Centralized Wander Management Notification Hub



PRODUCT OVERVIEW

The Accutech 700096-2 LC 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 700096-2 module channels complex 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, bidirectional 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 700096-2 LC 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 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 security network.

SYSTEM COMPONENTS

The 700096-2 LC Staff Alert Panel incorporates several fundamental integrated sub-modules and physical connection layouts:

- **High-Speed Processing Logic Board:** The primary internal circuit layout dedicated to handling automated multi-zone tracking and bidirectional data conversion protocols.
- **Industrial Multi-Conductor Screw Terminal Block:** A ruggedized, mechanical compression terminal interface configured to accept hardwired communication lines from multiple door controller zones.
- **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 up to 8 distinct peripheral controller channels down to a single alert panel connection, greatly simplifying hardware footprints and reducing response times for clinical teams.
- **Seamless Protocol Conversion:** Automatically translates complex industrial security relays into clear, discrete zone-specific LED visual outputs without data packet loss or notification delays.
- **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	LC Staff Alert Panel (8-Zone)
Part Number / SKU	700096-2 /
Component Technology Type	Centralized Multi-Zone Alarm Monitoring & Visual-Audio Notification Hub
Monitored Capacity	Up to 8 Independent Zones per Panel

Device Interface Port	Industrial Screw Terminal Block Interface
Operating Input Voltage	10 to 13 VDC
Current Consumption	300 mA maximum
Required Cabling Infrastructure	Minimum 22-gauge, 6-conductor wire line for each LC controller connection
Acoustic Warning Mechanism	Internal Piezoelectric Audio Buzzer
Chassis Dimensions	11" x 5-3/8" x 1-3/8"
Approximate Device Weight	1.0 lb. (0.45 kg)
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 Class B 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, 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.