

ACCUTECH 700066

LC Graphic Display Panel (16-32 Zone) | Perimeter Protection & Multi-Zone Visual Mapping Annunciator

PRODUCT OVERVIEW

The Accutech 700066 LC Graphic Display Panel (16-32 Zone) 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 16 to 32 independent entryway thresholds, elevator modules, and courtyard gates across an expanding multi-wing layout, it eliminates the operational complexity of managing individual entry points. This centralized topology ensures that small to medium-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 700066 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 localized hospital wings, dedicated 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 driving a visual zone matrix to map multi-door elopement alerts across distinct facility points.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall supply, install, and configure the Accutech 700066 LC Graphic Display Panel (16-32 Zone) to act as the primary visual status and monitoring interface bridging the peripheral exit networks and the main nurse workstation location. The hardware must support bidirectional communication to synchronize active bypass states, zone alarms, and real-time controller logs directly with the host computer software.
- **Healthcare Environment Protection:** The multi-zone indicator display 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 graphic indicator assembly shall be protected inside a compact, ruggedized commercial-grade enclosure case optimized for clean surface or flush wall mounting directly within administrative spaces, reception corridors, or command hubs.
- **System Interoperability:** The panel display architecture must feature validated native compatibility for direct connection with Accutech wander management systems, ensuring non-latent zone signaling and localized alarm tracking across the facility's dedicated security network.

SYSTEM COMPONENTS

The 700066 LC Graphic Display Panel (16-32 Zone) incorporates several fundamental integrated sub-modules and physical connection layouts:

- **Custom Layout Graphic Interface Facade:** A highly durable, facility-specific visual display mask customized with exact structural floor plans and clear alphanumeric zone labels for easy identification.
- **Multi-Zone LED Alert Control Matrix:** A network of independent, long-life LED indicator nodes configured to flash intensely on corresponding floor plan quadrants during active alarms.
- **Integrated Audible Warning Buzzer Module:** A high-output local electronic sounder designed to emit continuous acoustic warnings simultaneously with visual triggers during unauthorized exit events.
- **Transient Voltage & Signal Isolation Array:** Internal safety circuitry engineered to isolate delicate internal microchip components from data line surges, grounding faults, and electrostatic discharge (ESD).
- **Vandal-Resistant Enclosure Case:** A lightweight, commercial-grade impact-resistant shell providing absolute physical protection for interior display paths within active clinical work zones.

FEATURES AND BENEFITS

- **Comprehensive 16-to-32 Zone Expansion:** Streamlines oversight by consolidating independent peripheral zone controller channels down to a single visual interface panel connection, handling up to 32 unique boundary exits.
- **Custom Facility-Specific Visual Mapping:** Tailored precisely to the building's physical floor plan layout, transforming confusing device addresses into an immediate, intuitive graphic schematic.
- **At-A-Glance Situational Mapping:** Provides immediate physical verification of active elopement risks or door violations across local wings, allowing teams to route response paths to exact exit boundaries.
- **Simultaneous Auditory and Visual Alerting:** Commands immediate attention in noisy clinical wards by pairing active, bright LED status grids with an onboard audible warning buzzer.
- **Diagnostic Status Indicators:** Features integrated board-level test parameters to provide clear visual feedback on data transmission, loop power presence, and LED integrity, 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	LC Graphic Display Panel (16-32 Zone)
Part Number / SKU	700066
Component Technology Type	Central Multi-Zone Visual Status Monitoring Interface & Mapping Panel
Monitored Zone Capacity	16 to 32 Selectable / Customizable Independent Exit Zones

Operating Input Voltage	12V DC Regulated Power Input
Current Consumption	Approximately 60 mA per Active 8-Zone Control Expansion Board
Primary Alarm Output Signals	Individual Localized Zone LEDs, Onboard Acoustic Buzzer, Dedicated Fire Alarm LED
Wander System Compatibility	Accutech ResidentGuard LC1400 Series, Custom Zone Networks, and Infrastructure Hardware
Chassis Enclosure Type	Surface or Flush-Mount Rugged Architectural Wall Cabinet Assembly
Primary Target Environments	Main Nurse Stations, Reception Areas, Central Security Rooms, Corridor 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.