

# ACCUTECH 700175

## LS 2400 Demo Kit (single) | Portable Perimeter Protection & Wander Management Demonstration Assembly

### PRODUCT OVERVIEW

The Accutech 700175 LS 2400 Demo Kit (single) 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 a single simulated or temporary exit zone setup, 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 during field trials, proof-of-concept assessments, and technical training seminars.

Deployed directly between peripheral zone controllers, transmitter wands, door controllers, and central administration frameworks, the 700175 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 700175 LS 2400 Demo Kit (single) 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 mobile transport, rapid deployment, or clean surface 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 700175 LS 2400 Demo Kit (single) incorporates several fundamental integrated sub-modules and physical connection layouts:

- **LS2400 Demo Controller Processing Board:** The primary internal multi-layer integrated circuit board dedicated to handling automated zone identification, status indexing, and bidirectional network mapping simulation protocols.
- **Compact Single-Zone Transmit/Receive (Tx/Rx) Antenna Module:** A specialized localized tuning circuit configured to emit an active RFID boundary field and manage signal reception during functional demonstrations.
- **Staff Bypass Interface Control Panel:** An integrated mechanical button layout or keypad interface deployed directly on the demo fixture to simulate authorized staff bypass, system resets, and local alarm cancellation.
- **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).
- **Ruggedized Heavy-Duty Mobile Carrying Case:** A durable, impact-resistant protective outer shell configured to house the internal display paths, mounting accessories, and power connections safely during transportation.

## FEATURES AND BENEFITS

- **Portable Proof-of-Concept Benchmarking:** Consolidates independent peripheral zone controller channels down to a single visual interface panel connection on the administration server, allowing sales engineers and facilities teams to evaluate hardware footprints in real time.
- **Seamless Protocol Conversion:** Automatically translates complex electronic security identifiers and exit triggers into an immediate localized virtual mapping layout without data packet loss or communication delays.
- **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.
- **Rapid Plug-and-Play Initialization:** Features pre-wired terminal components and self-contained electrical links, enabling swift deployment for temporary testing without disturbing permanent building infrastructures.
- **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

LS 2400 Demo Kit (single)

### Part Number / SKU

700175

### Component Technology Type

Central Multi-Zone Visual Status Monitoring Interface & Mapping Panel

### Monitored Zone Capacity

Single Simulated/Temporary Independent Exit Point (1 Zone Monitored)

**Device Interface Port**

Heavy-Duty Industrial Mechanical Screw Terminal Connection Blocks

**Host Workstation Link**

High-Speed Integrated Serial Communication Interface / Data Loop

**Visual Diagnostic Indicators**

High-Visibility Multi-LED Grid for Power, Zone State, and System Alert Verification

**Wander System Compatibility**

Accutech ResidentGuard, Custom Zone Networks, and Central Infrastructure Hardware

**Chassis Enclosure Type**

Heavy-Duty Portable Industrial Carrying Case / Desktop Presentation Housing

**Primary Target Environments**

Training Classrooms, Facility Boardrooms, Field Sales Trials, Regional Seminars

## 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.