

# Accutech LS2400DEV-KIT LS 2400 Development Kit

LS2400DevelopmentKit | SystemEvaluation & Configuration Suite

## PRODUCT OVERVIEW

The Accutech LS2400DEV-KIT is a comprehensive hardware and software evaluation suite designed for technicians, integrators, and facility engineers. This "Development Kit" provides all the core components of the LS 2400 series wander management system in a portable or bench-top format, allowing for pre-installation configuration, tag testing, and staff training. By simulating a live monitored zone, the LS2400DEV-KIT ensures that system logic—including escort, bypass, and alarm functions—is fully vetted and understood before permanent deployment in a clinical environment.

## ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **Core Controller:** The kit shall include a fully functional LS 2400 series controller capable of monitoring a single primary zone and up to two auxiliary inputs.
- **Field Induction:** The unit must include a localized exciter antenna (standard or long-range) to simulate the 132kHz low-frequency induction field used for tag activation.
- **Software Interface:** The kit shall provide a licensed copy of the Accutech Management Software (AMS) or configuration utility for zone tuning and tag database management.
- **Portability:** All components shall be provided in a format suitable for bench testing or temporary mounting, requiring only a standard 120V AC outlet for power.

## SYSTEM COMPONENTS

The LS2400DEV-KIT includes the following primary system elements:

- **LS 2400 Controller:** The central processing unit with integrated relay logic and supervised I/O.
- **Induction Exciter Antenna:** Localized antenna for creating the tag-activation field.
- **Sample Tag Set:** Includes both ResidentGuard (Long-life) and test tags for performance verification.
- **Digital Keypad (KP-103):** Included for testing staff escort and alarm reset functionality.
- **Configuration Cable Kit:** Serial-to-USB or Ethernet adapters for workstation connection.
- **Power Supply:** Regulated 12V DC power adapter with standard plug.

## FEATURES AND BENEFITS

- **Risk-Free Training:** Allows staff to practice responding to alarms and using bypass codes without disturbing residents in a live ward.
- **Pre-Deployment Tuning:** Enables technicians to calibrate sensitivity and timeout settings on the bench, reducing onsite labor hours.

- **Troubleshooting Tool:** Serves as a reference "known-good" system to help diagnose hardware issues with existing field deployments.
- **Comprehensive Testing:** Facilitates the verification of tag battery life and signal strength before tags are issued to residents.
- **Full Integration Simulation:** Allows for testing of dry-contact relay outputs to secondary systems like nurse calls or magnetic locks.

## PRODUCT SPECIFICATION

|                     |                                       |
|---------------------|---------------------------------------|
| Manufacturer        | Accutech Security (An ICS Company)    |
| Product Model Name  | LS 2400 Development Kit               |
| Part Number / SKU   | LS2400DEV-KIT                         |
| Input Power         | 120V AC (includes 12V DC Adapter)     |
| Induction Frequency | 132 kHz                               |
| Receiver Frequency  | 418 MHz                               |
| Relay Outputs       | 2 x Form C (2A @ 28VDC)               |
| Communication       | RS-232 / USB / Ethernet (via adapter) |

## COMPLIANCE AND CERTIFICATION

- **FCC Part 15 Subpart B:** Compliant with class standards to ensure zero interference with medical telemetry.
- **UL 294 System Component:** Built using recognized components for institutional safety and access control.
- **CE Marked:** Meets European standards for safety and electromagnetic compatibility.
- **RoHS Certified:** Constructed without hazardous substances, supporting facility environmental initiatives.