

# AccuTech 77L018

## Wander Tag | Patient Wandering System Long-Life Patient Monitoring Tag



### PRODUCT OVERVIEW

The AccuTech 77L018 Wander Tag serves as a core long-life resident tracking component designed for the ResidentGuard LC1200 and LC1400 Patient Wandering Systems. These small, wristwatch-sized transponders are worn by at-risk residents or attached to high-value assets to prevent unauthorized egress or wandering through monitored perimeter zones. Safely secured via comfortable, adjustable, and water-resistant wristbands, each active tag functions with an integrated visual status indicator and can be toggled on or off at any time using a specialized programmer. This hardware-only tag ships with its internal battery deactivated to ensure maximum shelf life prior to localized deployment.

### ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

The perimeter protection and patient elopement prevention system shall utilize the active radio frequency identification (RFID) AccuTech 77L018 Wander Tag assembly. The transponder shall feature a dual-frequency architecture operating with a 418 MHz transmit frequency and an induction-based 127–137 kHz receive frequency network. Upon entering a localized transmit (Tx) activation field generated by a zone door controller or wand, the wearable tag shall instantly transmit its security signal to initiate localized alarm sequences, lock magnetic doors, or trigger nurse call relays.

The tracking tag shall operate utilizing a factory-sealed internal battery engineered to deliver greater than 12 months of continual tracking functionality. The enclosure chassis must support multi-mode wireless programming capabilities allowing authorized clinical operators to switch operational power modes or check unit diagnostics. To assist facility staff with rapid visual status verification, the device housing must incorporate a front-facing, pulsating light-emitting diode (LED) to continuously signify current active, idle, or monitored field operational statuses.

### SYSTEM COMPONENTS

- AccuTech 77L018 Active Transponder Unit: The sealed core processing and broadcasting tag available in Long Term (LT) cases for resident wrist/ankle monitoring or Slotted Back (SB) configurations for infants/assets.

- Integrated Visual Pulse LED: Embedded front face panel indicating tag active state, idle storage state, or field alarm triggering state.
- Primary Peripheral Enclosures (Sold Separately):
- Adjustable Wrist / Ankle Bands: Water-resistant, easy-to-clean adjustable straps worn by residents similar to a watch face.
- System Programming Interfaces (Required for Deployment):
- Smart Tag Activator/Deactivator (STAD): The necessary wireless station used to execute tag activation, battery preservation deactivation, and diagnostic tests.
- Identification Tag Activator/Deactivator (ID-TAD): Direct physical controller alternative used to wirelessly turn the tag's battery circuit on or off.

## FEATURES AND BENEFITS

- Dual-Purpose Versatility: Flexible physical design allows the strap to be deployed comfortably on either the ankle or the wrist depending on patient preference.
- Tamper-Resistant Engineering: Built with an advanced closure system to mitigate unauthorized removal or user picking, maintaining consistent facility security.
- Water-Resistant Coating: Moisture-hardened construction ensures that exposure to water, sweat, or light liquids during patient care will not degrade or weaken the band.
- Seamless System Integration: Syncs perfectly with AccuTech perimeter guard arrays to trigger immediate staff alerts when a tagged resident approaches an exit.
- Extended Wear Comfort: Made from ultra-soft, flexible materials to promote continuous protocol compliance without inducing skin chafing or localized irritation.
- Bulk Hardware Replacement: Provided in a pack of 10 to allow rapid facility-wide scaling or quick replacement of worn out or lost wander bands.

## PRODUCT SPECIFICATION

|                                          |                                                      |
|------------------------------------------|------------------------------------------------------|
| <b>Manufacturer</b>                      | Accutech Healthcare Security Solutions               |
| <b>Product Model Name</b>                | AccuTech 77L018 Wander Tag                           |
| <b>Part Number / SKU</b>                 | 77L018                                               |
| <b>Transmit Frequency</b>                | 418 MHz                                              |
| <b>Receive Frequency</b>                 | 127 kHz to 137 kHz                                   |
| <b>Battery Lifespan Rating</b>           | Engineered for > 12 Months of continuous use         |
| <b>Internal Power Cell Type</b>          | Factory-sealed internal battery (Non-replaceable)    |
| <b>Long Term (LT) Case Dimensions</b>    | 1.25" W x 1.50" H x 0.50" D                          |
| <b>Slotted Back (SB) Case Dimensions</b> | 1.50" W x 1.50" H x 0.50" D                          |
| <b>System Compatibility</b>              | Accutech LC1200 / LC1400 Wander Controller Platforms |

## COMPLIANCE AND CERTIFICATION

- FCC ID Certification: Verified compliant for low-power communication networks under FCC Grant Registration ID: JM7-HWHY-662022.
- UL Status: Evaluated to align with standard UL regulatory protocols for hospital signaling peripherals and electronic access control setups.
- RoHS Status: Constructed using lead-free base materials and environmentally safe polymer enclosures to ensure non-toxic contact and standard safety compliance.