ACCUTECH 650403

KP-403 Outdoor Keypad | Centralized Wander Management Infrastructure Hub



PRODUCT OVERVIEW

The Accutech 650403 KP-403 Outdoor Keypad 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 signals from exterior entry points, gates, and exposed perimeter 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 at exterior perimeter gates, courtyard access points, and exposed ambulance bays, the 650403 module channels weatherproof credential telemetry. 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 expansive hospital wings, long care facility corridors, and high-risk infant protection zones by safeguarding exposed external egress routes from environmental wear and unauthorized passage.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall supply, install, and configure the Accutech 650403 KP-403 Outdoor Keypad to act as the primary external security access control and localized override node. The hardware must support direct integration configurations to synchronize active bypass states directly with peripheral zone controllers.
- **Weatherproof Protection:** The remote keypad assembly shall incorporate an IP-rated weatherproof structural design explicitly engineered to sustain continuous exterior exposure, operating reliably across extreme temperature variations, direct moisture impacts, and high-humidity environmental conditions.
- **Access and Control:** The device front interface shall feature a heavy-duty, backlit tactile digital matrix to allow authorized clinical staff, security personnel, and facility supervisors to execute localized door bypass commands and alarm resets directly at the external boundary.

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- **Enclosure and Durability:** The electronics assembly shall be protected inside a ruggedized, vandal-resistant commercial-grade housing optimized for flush-mount or surface-mount terminal configurations on exterior walls, structural posts, or gate frames.
- **System Interoperability:** The keypad architecture must feature validated native compatibility for direct low-voltage data connection with Accutech environmental safety platforms, ensuring non-latent signaling and secure credential validation across the facility's dedicated security network.

SYSTEM COMPONENTS

The 650403 KP-403 Outdoor Keypad incorporates several fundamental integrated sub-modules and physical connection layouts:

- **Weather-Sealed Digital Logic PCB:** The primary multi-layer circuit assembly coated with protective conformal sealing compounds to isolate electronic components from moisture and dust intrusion.
- **Backlit Tactile Key Matrix:** Ruggedized, high-durability front keypad layout featuring integrated low-power LED backlighting for clear visibility during nighttime operations.
- **Heavy-Duty Relay Interface Module:** Integrated dual-state SPDT relay pathways dedicated to managing secondary electrical strikes, maglock release circuits, or local bypass triggers.
- **Low-Voltage Terminal Backplane:** Multi-position wire terminal block array designed for clean, reliable power, ground, and communication line termination.
- **Vandal-Resistant Outer Chassis:** Heavy-duty commercial-grade composite or metal alloy junction enclosure providing structural impact protection and integrated grounding paths.

FEATURES AND BENEFITS

- **Centralized Boundary Awareness:** Consolidates remote exterior entry states down to a single monitoring focal point, greatly simplifying hardware footprints and reducing response times for clinical teams.
- **Weatherproof Exterior Resilience:** Features an advanced environmental seal designed to withstand harsh outdoor elements, making it ideal for courtyards, exterior gates, and exposed emergency exits.
- **Adaptive Visual Backlighting:** Employs soft LED backlighting behind the key matrix to guarantee flawless credential entry and error-free operation during low-light or night shifts.
- **Vandal-Resistant Construction:** Built using impact-resistant structural components that safeguard internal electronic processing paths against high-traffic workspace hazards and deliberate tampering.
- **Validated Platform Interoperability:** Engineered for total compatibility out-of-the-box with established Accutech security environments, ensuring a unified approach to facility patient protection.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions
Product Model Name	KP-403 Outdoor Weatherproof Keypad
Part Number / SKU	650403
Enclosure Protection Rating	IP-Rated Weatherproof / Vandal-Resistant Seals
Operating Input Voltage	12V DC / 24V DC Managed Low-Voltage Control Paths

Relay Contacts Configuration	SPDT Dry Contact Relays (Form C Output Layouts)
Interface Link Mechanism	Hardwired Terminals for Power, Ground, and Signal Buses
Keypad Interface Backlighting	Integrated Low-Power LED Illumination Array
Wander System Compatibility	Accutech ResidentGuard Series Access and Security Environments
Chassis Construction	Heavy-Duty Industrial Commercial-Grade Housing
Primary Target Environments	Courtyards, Exterior Gates, Ambulance Bays, Exposed Perimeter Doors

COMPLIANCE AND CERTIFICATION

• **FCC Status:** Designed and certified to meet FCC Part 15 regulations regarding digital device shielding. This guarantees that multi-zone switching and relay paths do not cause or sustain harmful electromagnetic interference with nearby diagnostic medical devices or critical patient networks.
• **UL Listing:** Engineered and assembled using components compliant with UL safety classifications for low-voltage signal appliances, exterior access control equipment, and healthcare facility alert instrumentation.
• **RoHS Compliance:** Formulated in alignment with environmental protection directives, ensuring that the assembly, internal solder joints, and electronic trace configurations restrict the use of lead, mercury, and other hazardous materials.

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