

ACCUTECH 700033

Auto Door Deactivation | Centralized Wander Management Infrastructure Hub



PRODUCT OVERVIEW

The Accutech 700033 Auto Door Deactivation module 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 local doors and automatic operators, 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 in line with automatic sliding or swinging door operators near critical facility exits, the 700033 module channels automated door control telemetry. This proactive routing method eliminates communication bottlenecks and guarantees that complex localized actions—such as shutting down automatic door opener triggers when a monitored resident approaches—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 preventing the physical door from opening during an active tracking alert.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall supply, install, and configure the Accutech 700033 Auto Door Deactivation module to act as the primary signaling control interface node between automatic door operators and the master wander management console. The module must support native relay translation configurations to synchronize active lock and open states directly with perimeter sensor paths.
- **Automated Disabling Control:** Upon active tag detection by the wander management system, the deactivation interface shall instantly interrupt the automatic door operator's actuator/wall-switch circuit. The device must prevent the automatic doors from opening for the duration of the proximity alert or until an authorized manual override is verified.
- **Data Communications:** The device shall incorporate heavy-duty terminal connection layouts to maintain data integrity and rapid, non-latent alarm signaling to peripheral telemetry and notification stations during an active containment trigger or automatic override sequence.

- **Enclosure and Durability:** The electronics assembly shall be protected within a compact, commercial-grade rigid housing or sub-assembly optimized to withstand structural building vibrations, header heat, and facility maintenance workflows.
- **Modular Expandability:** The architecture must accommodate seamless multi-door expansion paths, allowing technicians to link secondary automatic operators back to the primary zone controller without demanding complete field hardware redesigns.

SYSTEM COMPONENTS

The 700033 Auto Door Deactivation interface incorporates several fundamental integrated sub-modules and physical connection layouts:

- **Main Control Logic PCB:** The primary multi-layer circuit assembly managing low-voltage bypass lines, sensor isolation circuits, and signal conversion parameters.
- **Heavy-Duty Relay Interface Module:** Integrated dual-state SPDT relay pathways dedicated to breaking the automatic header activation circuits or triggering secondary local sounders.
- **Centralized Terminal Block Array:** Multi-point screw terminal layouts configured for clean, low-voltage wire containment from automatic door controls, motion sensors, and power lines.
- **Compact Guard Enclosure:** Protective rigid backing layout engineered to shield sensitive solid-state switching components from physical disruption, header motion, or stray static fields.

FEATURES AND BENEFITS

- **Streamlined Control Integration:** Consolidates discrete automatic door open states down to a single monitoring focal point, greatly simplifying hardware footprints and reducing cable infrastructure requirements.
- **Real-Time Guard Verification:** Supplies continuous telemetry and circuit state reporting data from across the property, letting staff intercept unauthorized zone entries immediately.
- **Preventative Motion Interruption:** Isolates header motion sensors and push-plates automatically when a resident tag is detected, ensuring the door remains closed and locked before an elopement path can open.
- **Industrial Structural Protection:** The ruggedized circuit housing safeguards internal electronic processing paths against high-traffic workspace hazards and mechanical header vibration.
- **Future-Proof Cost Savings:** Field-upgradable design rules allow healthcare properties to scale zone counts seamlessly over time, mitigating full replacement costs when facilities expand or renovate.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions
Product Model Name	Auto Door Deactivation Module
Part Number / SKU	700033
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

Wander System Compatibility

Accutech ResidentGuard Series Access and Security Environments

Chassis Construction

Industrial Solid-State Control Module Backing

Primary Target Environments

Hospitals, Long-Term Care, Assisted Living, Memory Care

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, auxiliary locking control interfaces, 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.