

ACCUTECH 700022

Push Button Override (PBO) | Centralized Wander Management Infrastructure Hub



PRODUCT OVERVIEW

The Accutech 700022 Push Button Override (PBO) 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 localized manual bypass signals from protected entry points, 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 high-traffic egress boundaries, nurse monitoring desk lines, and restricted access zones, the 700022 module channels timed manual override 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 700022 Push Button Override (PBO) 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.
- **Perimeter Infrastructure Protection:** The remote switch assembly shall incorporate a durable, commercial-grade structural design explicitly engineered to sustain continuous clinical 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, tactile pneumatic or electronic push button layout to allow authorized clinical staff, security personnel, and facility supervisors to execute localized door bypass commands and alarm resets directly at the security boundary.

- **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 standard single-gang electrical boxes or architectural door frames.
- **System Interoperability:** The push button override 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 700022 Push Button Override (PBO) incorporates several fundamental integrated sub-modules and physical connection layouts:

- **Weather-Sealed Digital Logic PCB:** The primary multi-layer switch contact assembly coated with protective conformal sealing compounds to isolate electronic components from moisture and dust intrusion.
- **Commercial-Grade Push Button Operator:** Ruggedized, high-durability mechanical button actuator featuring a heavy-duty internal spring-return or delay plunger mechanism.
- **Heavy-Duty Relay Interface Module:** Integrated dual-state contact pathways dedicated to managing secondary perimeter alerts, localized zone triggers, magnetic locks, or local bypass responses.
- **Low-Voltage Terminal Backplane:** Multi-position wire terminal blocks or pre-wired lead pigtail pathways designed for clean, reliable power, ground, and data activation communication line termination.
- **Vandal-Resistant Single-Gang Faceplate:** Heavy-duty commercial-grade plate assembly providing structural impact protection and integrated grounding paths.

FEATURES AND BENEFITS

- **Centralized Boundary Awareness:** Consolidates manual perimeter override and timed bypass states down to a single monitoring focal point, greatly simplifying hardware footprints and reducing response times for clinical teams.
- **Tactile Mechanical Actuation:** Features a large, high-visibility push button assembly engineered for rapid staff physical engagement during routine or urgent transit events.
- **Pneumatic / Electronic Timed Delay:** Employs an adjustable duration or momentary contact layout behind the button matrix to guarantee temporary exit bypass, preventing the perimeter from being permanently left unmonitored.
- **Vandal-Resistant Construction:** Built using impact-resistant structural components and a heavy-duty single-gang faceplate 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	Push Button Override (PBO)
Part Number / SKU	700022
Enclosure Protection Rating	Single-Gang Flush-Mount / Vandal-Resistant Faceplate
Operating Input Voltage	Passive Loop Switch (Managed Low-Voltage Control Paths via Parent Controller)
Relay Contacts Configuration	Momentary/Timed SPDT or DPDT Contacts (Form C Switch Status Layouts)

Interface Link Mechanism

Screw Terminals / Hardwired Lead Pigtails for Power, Ground, and Signal Buses

Switch Operation Type

Tactile Push Button Actuation (Spring-Return Momentary or Pneumatic Time Delay)

Wander System Compatibility

Accutech ResidentGuard Series Access and Security Environments

Primary Target Environments

Main Entrances, Nurses' Monitoring Stations, Corridors, Perimeter Egress Frames

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 hardwired loop 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.