

ACCUTECH 700068

Transmit Wand 8 Reader Assembly (No Reader or Cards) | Centralized Wander Management Infrastructure Hub



PRODUCT OVERVIEW

The Accutech 700068 Transmit Wand 8 Reader Assembly (No Reader or Cards) is an enterprise-grade hardware infrastructure module engineered to integrate seamlessly with specialized healthcare security systems, including wander management and resident tracking platforms. Designed to facilitate and expand multi-point signal routing, this backplane sub-assembly enables large-scale senior care facilities, nursing homes, and hospitals to maintain tight situational awareness. The system provides a centralized connection platform for up to eight peripheral reader devices or antennas, giving technical teams and security personnel an efficient framework for localized signal distribution and zone mapping.

Deployed inside secure low-voltage equipment rooms or structural junction enclosures near protected boundaries, the 700068 assembly channels telemetry data back to the primary system controllers over a streamlined routing topology. This configuration eliminates wiring bottlenecks, ensuring that incoming sensor data from multiple adjacent doorways or corridors is instantly synchronized. This active processing architecture provides reliable perimeter protection across high-risk exit points and memory care wings, ensuring fast event detection during system alerts or elopement events.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall furnish, install, and configure the Accutech 700068 Transmit Wand 8 Reader Assembly where indicated on the plans. The backplane assembly shall act as a centralized multi-point junction module supporting up to eight (8) independent reader or antenna signal channels without pre-installed proximity readers or credential cards.
- **Signal Routing & Conversion:** The distribution platform shall feature high-integrity multi-channel circuit lanes engineered to route low-voltage radio frequency telemetry data and control signals efficiently, ensuring minimal transmission loss across long field-wire distances.
- **Integration Capabilities:** The assembly must feature a network-ready terminal architecture designed for direct interoperability with specialized environmental security frameworks, explicitly including Accutech resident guard and patient tracking platforms, to deliver synchronized perimeter zone monitoring.

- **Operational Control:** The system shall facilitate centralized configuration, allowing field technicians to wire, isolate, and test individual reader channels from a single backplane terminal without requiring physical troubleshooting at each separate perimeter doorway or mounting location.
- **Durability and Reliability:** The electronics sub-assembly shall be mounted on an industrial-grade, rigid printed circuit board (PCB) chassis optimized for installation within standard structured wiring enclosures, ensuring long-term thermal stability and operational reliability in 24/7 clinical environments.

SYSTEM COMPONENTS

The 700068 Transmit Wand 8 Reader Assembly deployment comprises the following primary hardware modules and interface elements:

- **Master Routing Backplane:** Multi-channel printed circuit board layout designed for high-density terminal distribution and clean signal separation.
- **8-Channel Reader Connection Ports:** A dedicated array of eight multi-position screw terminal blocks configured to accept incoming data leads from field antennas or reader units.
- **Controller Bus Interface:** Built-in low-voltage data output port layout engineered to deliver consolidated zone data back to the primary wander management system processor.
- **Grounding and Power Traces:** Integrated heavy-duty copper grounding paths and power distribution lanes designed to supply balanced voltage to peripheral field devices.
- **Enclosure Mounting Standoffs:** Factory-drilled structural positioning holes built directly into the assembly chassis for rigid alignment within commercial electrical cabinets.

FEATURES AND BENEFITS

- **Streamlined Control Integration:** Consolidates discrete lock timing 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 schedule reporting data from across the property, letting staff intercept unauthorized zone entries immediately.
- **Validated Platform Interoperability:** Engineered for total compatibility out-of-the-box with established Accutech access control and wander management environments.
- **Industrial Structural Protection:** The ruggedized circuit housing safeguards internal electronic processing paths against high-traffic workspace hazards.
- **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	Day/Night Timer Module (Mifare Stand-Alone Logic)
Part Number / SKU	700068
Reader Channel Capacity	Up to 8 Independent Reader / Antenna Channels
Component Inclusion	Base Assembly Only (Excludes Readers, Cards, and Key fobs)

Operating Input Voltage

12V DC / 24V DC Managed Low-Voltage Control Paths

Interface Link Mechanism

Multi-Position Hardwired Terminal Blocks (Screw Terminals)

Wander System Compatibility

Accutech ResidentGuard Series Access and Security Environments

Chassis Construction

Heavy-Duty, Multi-Layer Industrial Printed Circuit Board (PCB)

Primary Target Environments

Hospitals, Clinics, Large-Scale Nursing Homes, Memory Care Centers

COMPLIANCE AND CERTIFICATION

- **FCC Status:** Compliant with FCC Part 15 regulations for digital shielding, ensuring clean internal circuit paths that do not cause or sustain harmful electromagnetic interference with nearby diagnostic medical devices or critical patient networks.
- **UL Listing:** Assembled using electronic and structural components compliant with low-voltage UL safety standards for information technology, auxiliary security equipment, and facility alert instrumentation.
- **RoHS Compliance:** Fully compliant with Restriction of Hazardous Substances (RoHS) environmental guidelines, ensuring the complete elimination of lead, mercury, and other hazardous materials across all circuit traces and component mounts.