



# DORTRONICS SYSTEMS, INC.

## Choosing the Right Touchless Access System

### 5 Essential Considerations

High-contact surfaces in hospitals, offices, and public buildings are a major source of contamination. Studies show that a single door handle can carry thousands of microbes per square inch, increasing the risk of cross-contamination. In high-traffic areas, eliminating unnecessary touchpoints is essential for hygiene and safety.

However, not all touchless access solutions provide the same level of reliability. Some fail to integrate with existing security systems, others do not meet accessibility standards, and many wear out too quickly. A poorly chosen system component can lead to security gaps, increased costs, and operational inefficiencies.

This tip sheet highlights five critical factors to consider when selecting a touchless access solution to ensure safety, efficiency, and long-term reliability.

## Choosing the Right Touchless Access System

### 5 Essential Considerations

#### 01 Hygiene Standards: Reducing Touchpoints for a Safer Environment

High-touch surfaces increase the spread of bacteria and viruses, making traditional push plates and door handles a concern for infection control. Touchless access solutions eliminate direct contact, improving hygiene in healthcare, food processing, and public facilities.

The CleanWave Switch uses wave-to-open technology, allowing doors to open with a simple hand motion. This hands-free access helps facilities maintain stricter hygiene standards while improving ease of entry.

Microwave sensors further enhance touchless operation. These technologies detect motion within a set range, activating doors without requiring precise hand placement. This ensures smooth and reliable access while keeping high-traffic areas moving efficiently.



#### 02 Customization Options: Matching Aesthetics and Functionality

**Touchless access solutions** should align with both functional and visual needs. CleanWave Switches offer LED indicators to complement different environments. Facilities can choose a sleek, modern look for corporate settings or high-visibility two gang versions for healthcare and public spaces.

Adjustable detection ranges provide fine-tuned control over activation distance, preventing false triggers while ensuring easy access.

#### 04 Accessibility Compliance: ADA and User-Friendly Design

ADA compliance ensures that doors are accessible to all users, including those with disabilities. CleanWave Switches feature large activation areas that allow easy operation without precise hand placement.

Illuminated indicators provide additional feedback, making touchless switches more accessible for individuals with visual impairments. In hospitals and public buildings, touchless switches improve door access for people using wheelchairs or mobility aids, eliminating barriers and enhancing convenience.

#### 03 Integration Capabilities: Seamless Compatibility with Existing Systems

**Touchless switches** must work with electrified locks, automatic doors, and access control systems to ensure smooth and secure operation. A poorly integrated system can cause inconsistent performance and security vulnerabilities.

CleanWave Switches are designed for easy integration with existing access control systems, working seamlessly with automatic door operators, electromagnetic locks, and electrified hardware.

#### 05 Durability and Reliability: Built for Long-Term Performance

Touchless switches must withstand frequent use, environmental conditions, and physical wear to remain effective. Low-quality systems can malfunction, increase maintenance costs, and require premature replacements.

CleanWave Switches are built with industrial-grade materials and weatherproof face plates that are smooth and easy to clean to ensure long-lasting performance. IP-rated unit provides additional protection against moisture and dust, making these switches ideal for high-traffic areas, hospitals, clean rooms, and food-processing facilities.

## Smart Touchless Solutions for Safer Access

Choosing the right touchless access solution requires more than just reducing contact. Hygiene, customization, integration, compliance, and durability all play a role in ensuring long-term reliability and user convenience. Dortronics' CleanWave Switch is designed to meet these critical needs, offering a seamless, hygienic, and durable access control solution.

As a trusted leader in access control, Dortronics provides innovative touchless technology that enhances security while simplifying daily operations.

**Contact Dortronics today** to learn more or request a consultation to find the best solution for your facility.

