

GO-TOUCHLESS

REDUCING THE SPREAD OF GERMS THROUGH TOUCHLESS DOOR ACTIVATION



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Ebola. MRSA. Sars. Pneumonia. Influenza. COVID-19 & The common cold.

Some infections make national headlines, some make you miss work and others just make you miserable. No matter what the ailment, they should all remind you of the importance to practice good hand-hygiene.

It's no secret, the more time you spend in a hospital, the more likely you are to pick up an unwanted germ

or two (million). Couple this with studies that show nearly 80 percent of infectious diseases are transmitted by touch and you make a strong case to reduce the number of "touch points" within a medical facility. It is not only restricted to medical facility but also in commercial and public facility where people flow in high volumes and density.

> **NEARLY** CAUSING GERMS SPREAD VIA HANDS

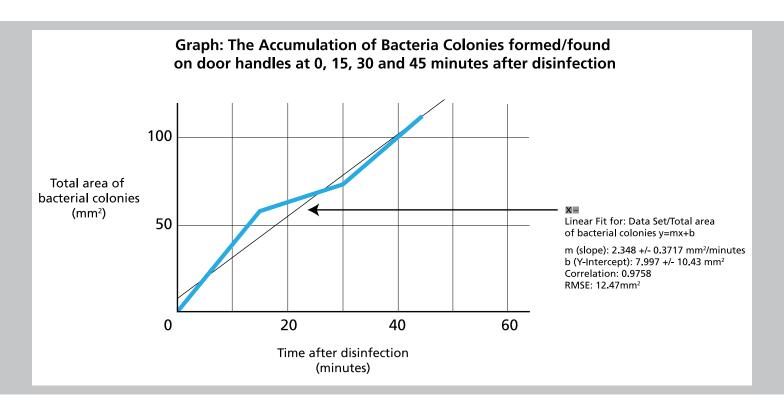
THE CATCH 22 🗸

For those who contract an infectious disease that's serious enough, they'll eventually seek medical attention. Unfortunately, the germs lurking in a medical center can be more dangerous than the ones that sent a person there in the first place. The influx of sick people coming in and out almost guarantees the dispersion of germs – and as the doctors, staff, patients, visitors and equipment matriculate through the building, so do the germs. A particularly susceptible point of infection in this scenario is door handles, switches and push buttons.

A study by the University of Massachusetts-Amherst demonstrated the vulnerability of door handles by showing the accumulation of bacteria on a door handle only 15 minutes after it was disinfected. The colonies of bacteria rose sharply in the hour following disinfection as the door handle, located at the entrance to



a dining hall, was a commonly used access point by students. Now imagine this door handle is located at a busy entrance/exit and restrooms in public places.



THE SCARY FACTS

Healthcare-Associated Infections (HAIs) are infections that patients develop during the course of receiving healthcare treatment for other conditions. Every year, hundreds of millions of people contract HAIs worldwide. These infections lead to significant mortality rates for health centers. In addition, they are a huge financial burden to the healthcare system. Along with patients, hospital workers and visitors are also at risk of contracting or spreading a HAI during a visit.

Taking appropriate hand hygiene measures is a key recommendation for preventing three of the five types of HAIs classified by the CDC. These types are as follows:

CATHETER-ASSOCIATED URINARY TRACT INFECTIONS (CAUTIS)

CENTRAL LINE-ASSOCIATED BLOODSTREAM INFECTIONS (CLABSIS) TRANSMITTED THROUGH PATIENT **INTRAVENOUS TUBES**

METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS (MRSA) INFECTIONS **RELATED TO A STRAIN OF BACTERIA THAT HAS BECOME RESISTANT TO ANTIBIOTICS**

A hospital study cited by the CDC reports that of the 2,834 observed opportunities for hand hygiene, on average, healthcare workers complied with hand hygiene requirements only 48% of the time. A separate study of intensive care units cited by the World Health Organization found that adherence to hand hygiene practices was 70% during less busy periods and was 25% during busier periods.

FLU GERMS CAN SPREAD AN ENTIRE DAY BEFORE SYMPTOMS BEGIN

A SINGLE GERM CAN MULTIPLY TO MORE THAN 8 MILLION GERMS IN ONE DAY NUMBER OF GERMS ON FINGERTIPS DOUBLES AFTER USING THE TOILET

REDUCING CROSS CONTAMINATION ▼

Whether from patients coming in contact with contaminated equipment or from a person touching a contaminated surface and then transmitting those germs to another person; it is evident that the fewer points of contact, the better.

While healthcare providers spend countless amounts of time and money to develop better solutions to combat HAIs, they often overlook simple and effective solutions such as touchless door activation and automated restroom access.

Access points and door handles are some of the most vulnerable areas in healthcare facilities for the spread of HAIs. Entrances and exits, bathrooms, patient rooms, waiting rooms, surgical rooms, cafeterias—all of these have doors. Most patient rooms have at least two doors (entrance and bathroom). One contaminated touch can set off a chain reaction of cross contamination.



Touchless Activation Devices for doors, activation switches, restroom applications, water fountains and other areas play a key role in reducing the spread of diseases in vulnerable areas.

GERMS CAN SURVIVE ON HANDS FOR UP TO THREE HOURS

A SNEEZE PROPELS UP TO 100,000 BACTERIA INTO THE AIR AT 45M/S

DAMP HANDS SPREAD 1,000 TIMES MORE GERMS THAN DRY HANDS

STOPPING THE SPREAD: TOUCHLESS ACTIVATION 101 ▼



1. MAINTAINING SANITARY WORKFLOW

In surgical rooms, HAIs can be an extremely serious issue. When a medical team is scrubbed and fully prepped for surgery, it is imperative that the room and people in it remain sanitary. Wave to open touchless activation devices provide a simple, and effective means of egress into these rooms, eliminating the need for physical touch and removing a possible point of contamination.

2. CREATE TRAINED TRAFFIC

Wave to open touchless activation provides added benefit to those who frequently use a specific door. The traffic becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation process and "waving a door open" becomes accustomed to the activation accustomed to the activation process and the activation process accustomed to the activasecond nature. In essence, the act of signaling the door to open becomes part of their routine.

3. DURABLE AND PROFESSIONALLY RATED

While wave to open touchless plates do not need to be touched, they still must be capable of withstanding the daily rigors of a busy hospital. Carts, beds and other wheeled objects can easily break plastic switches. Cleaning agents can further corrode the internal and external components of a plastic switch. When choosing touchless activation, strongly consider a plate that is stainless steel with a NEMA 4 rated enclosure for enhanced protection.

4. VISIBLE AND AUDIBLE

In modern hospitals, ADA compliant push plates are necessary solutions for door automation. For maximum effectiveness, touchless plates should be accompanied with both visible and audible alerts to further aid in the successful signaling of a door's activation. In dimly-lit areas, lighted touch plates help improve both visibility and accessibility. Adjustable audible alerts can be turned on to confirm activation or turned off to comply with guidelines requiring hospitals to reduce ambient noise.

5. ADJUSTABLE TOUCHLESS DETECTION ZONE

Touchless "zones" can be adjusted to create desirable ranges a person must be within to achieve activation. Having choice in touchless plates, or being able to tune touchless plates to the right sensitivity is critical. For instance, in a surgical room, it is important that the door is not inadvertently or constantly opened in error. In this environment, a "short range" touchless solution should be employed. In a corridor, where elderly patients, stretchers and wheelchairs are constantly being moved, a longer detection zone would represent convenience.

THE CONCLUSION

Touchless activation devices are effective and intelligent ways to safeguard your facility, your employees and your customers. By installing touchless door activation devices on your doors, you're eliminating the need to touch extremely vulnerable and commonly touched items such as handles, push bars and other access methods. This helps eliminate cross contamination and reduce the spread of healthcare-associated infections.

As germs grow more aggressive and resistant to antibiotics and other treatments, it's imperative to safeguard your facility as much as possible. Touchless activation plates are an extremely effective way to do this.



MAGIC SWITCH

Adjustable 10-50 cm detection range.



MAGIC SWITCH IP65

NEMA4 rated, adjustable 10-61cm detection range environments.



SWAN

Ultra-thin (24.4 mm) design, antibacterial material cover.



MS21

Aesthetically pleasing, NEMA4 rated short-range detection.

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To learn more, visit

Go-Touchless.com

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Our goal is to partner with our customers in order to add value and innovation to their solutions, raise the safety awareness on the market and bring satisfaction to BEA users.

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