



Providing Door Hardware Solutions for the New Normal

**Minimal or Touch"less" Door Hardware
Solutions to Help Reduce the Spread
of Germs and Bacteria**

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Montgomery, Alabama

One Family. One Brand. One Vision.

Once a hinge company - now so much more. From our roots as a blacksmith that focused on wagon wheels and hinges, we've expanded our reach into locks, door controls, exit devices, and electronic access control.

Currently, Hager Companies stands alone as the only provider of a full line door hardware that is US-based. Our corporate facility is in St. Louis, Missouri, where our legacy began more than 170 years ago. And our manufacturing plant in Montgomery, Alabama creates the bulk of our traditional product lines. For us, it's important to support every community around the world, but particularly the community where our story began. Our new distribution center, a 65,000 sq.ft. building, will be open this Fall. It will include an Automated Storage and Retrieval System (ASRS) that will reduce lead time and increase throughput.

As we continue to grow and invest in solutions that will benefit our customers and channel partners, we recently launched Hager University. Hager University offers online training modules that are quick and easy to use. Every participant, whether you're a beginner or seasoned pro, should leave armed with more of the tools needed to make you a product knowledge expert. Enroll today by clicking the Hager University logo below.



Using Door Hardware to Limit Germ and Bacteria Exposure in Buildings

The COVID-19 pandemic is changing the way we, as a society, move about our daily lives. Facilities are taking a second look at how people move through their buildings and what products can help them reduce the spread of germs and bacteria.

Door hardware, especially locks, door pulls, push plates, and exit devices, are high-touch products, and it is easy to see if there are less people touching these products, there is less potential for germs and bacteria to spread. The question many people are asking in this current pandemic climate is how can door openings be changed to prevent the spread of germs and bacteria and still meet applicable building codes?

Hager Companies offers several minimal-to-no-touch door hardware solutions for common door openings used throughout various building types that can help. Many factors, including fire ratings, accessibility, and life safety, will need to be considered to determine the best solution for your specific projects.

Entry Doors

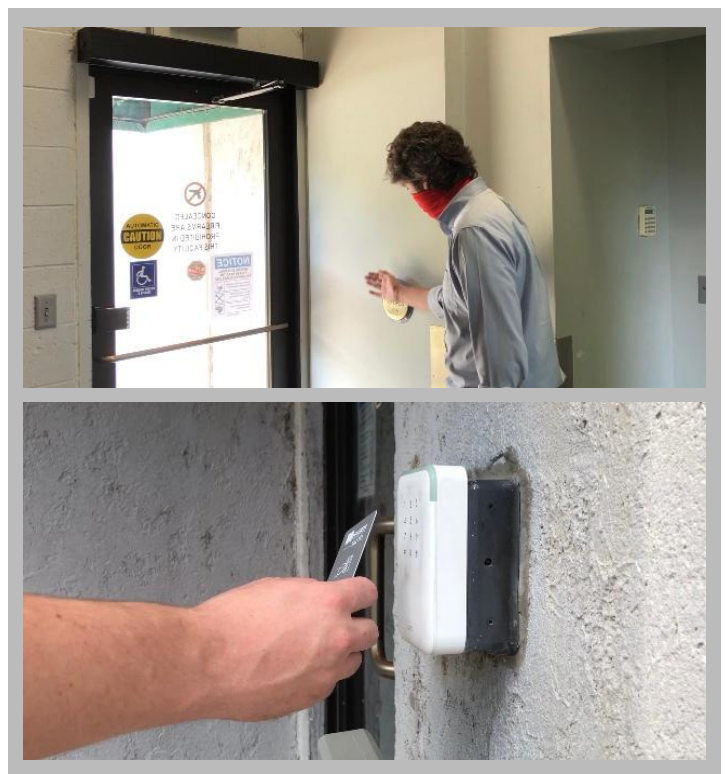
Power operators can create a completely touch-free opening, which is a smart choice for buildings that see large volumes of people. Generally installed above the door, a low-energy power operator behaves similarly to a door closer in that it controls the opening and closing of a door.

Our 8300 and 8400 Series low energy power operators have an independent on-board power supply, which can power low voltage items like an electric strike or a magnetic lock. Coupled with one of our touchless actuators, a person can use a waving motion to trigger the power operator to open the exterior door, and a sequencer can prompt the vestibule opening into the main facility.

Power operators can also easily tie into electronic access control (EAC), where the system can be set up to remain unlocked during certain times. The actuators can be enabled or disabled, depending on the needs.

If employee entrances are always locked, they can be set up similarly to the main entrance. However, instead of a touchless actuator being used to trigger the power operator, a card reader can unlock the door and trigger the power operator, permitting touchless building access. If the doors are to be unlocked for a shift change, or other situation, this could be the same as the main entry configuration and have an actuator.

In light of the COVID-19 pandemic, a unique benefit of electronic access control is the audit trail the system automatically generates as employees use their credentials to move around a building or campus, such as a school or hospital. Should an employee test positive, the audit trail can quickly help identify others who may have encountered the infected person.





Corridor Doors

The most cost-effective option to reduce the spread of germs on corridor openings is to have a hold-open feature on the doors. Using door closers or mechanical hold opens at non-fire rated doors will keep the doors open – thus eliminating the need to touch any aspect of the door hardware. For fire-rated doors, an electromagnetic holder is needed so the doors can automatically close and latch upon the activation of the fire alarm or smoke detection system.

Hospital facilities are great examples where electromagnetic hold opens on cross-corridor doors is an ideal solution. When visiting hours end, these doors can be set on a timer, push-button, or even tied into the electronic access control system to close and latch automatically. A school gymnasium is another example, as it is often used after hours by the public for a variety of activities. In this scenario, an electronic access control system or a digital or electronic programmable timer can lock the cross-corridor doors at a specific time. In both examples, these options eliminate the need for staff to walk around the facility closing doors, which minimizes the number of touches to the hardware and reducing the spread of germs and bacteria.

"It's important to note that with the HS4 Hager powered by Salto access control system, a building doesn't need to have card access installed on a particular door to take advantage of the system's capabilities, like programming doors to lock and unlock at certain times", says Brian Clarke, DHT, AHC, CDT, CSI, Director of Specifications at Hager Companies. "Scalability is one of the many benefits of our HS4 access control system."

Bathroom Doors

Bathrooms have always been a place for germs to fester, which is why the inexpensive foot pull is often installed to make doors hands-free by enabling people to open the door with their foot. Another intuitive option is changing the pull design to what is often called a hospital push/pull latch. The lever can be manipulated with the arm by hooking it with the forearm or elbow (to pull). Barrier-free restrooms are now being required by code in Canada and are becoming more common in the United States. These rooms have power-operated doors for multi-stall or power operators combined with electrified locking solutions at single-use restrooms. This will make the opening easier to navigate and increase a building's accessibility.



Classroom and Office Doors

There has been much discussion in recent years about classroom doors, and these have mainly centered on security. We have been so concerned about active shooter incidents, and now we have another danger to our children - COVID-19. Security and touchless or minimal touch door hardware are not mutually exclusive. Solutions can be as simple as a magnetic hold open with a push-button installed at an instructor's desk. The door can be opened to allow the flow of students between classes, and the instructor pushes the button to shut the door at the start of class.

Office and classroom doors are often not fire-rated and do not require door closers. Having the ability to leave the door open and training the staff of that room to open and close the doors as required, will decrease the number of touches the doors receive and ensure that the doors are closed and locked, increasing safety and security.

The Cleanliness Consideration

Having a clean facility is typically a top priority for every business. Still, the current pandemic has heightened the awareness of how long germs and bacteria can remain on surfaces. Some companies have replaced their door hardware with hardware that includes antimicrobial coating. It's important to understand that while the antimicrobial coating is formulated with ionic silver that slows the growth of bacteria, mold, and mildew, it is not a proven solution for viruses, like COVID-19. Clarke offers this advice, "When specifying hardware for your new construction or retrofit projects, pay particular attention to the surface of all products. Smooth products are much easier to keep clean and germ-free than grooved or fluted products."

The longevity and preservation of the door hardware finish are determined by several factors - usage, climate, base metal and the finishing process - and the protective coatings or other organic finishing applications may require different cleaning and care methods. All door hardware manufacturers provide recommended care and maintenance guidelines, which are essential to follow to keep hardware functioning properly and protect the finish.

COVID-10 has created an entirely new landscape that construction and facility professionals need to navigate. While the short term is going to challenge us to think about door openings much differently than pre-pandemic, the long-range view gives us the opportunity to educate and influence people on ways to move around buildings safer - better secured from outside threats, better protected from fire and smoke inhalation, and now minimizing the spread of germs.

by Kevin Tish, AOC, CFDAL, DHT, DHC, CDT
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ELECTRONIC ACCESS CONTROL

HS4

Data on Card

Key Replacement

HS4 is more than a keyless access control system. It delivers a secure and seamless user experience while providing flexible and affordable management throughout a facility.

Hager powered by Salto HS4 electronic access control systems offer robust, dynamic and comprehensive solutions for a multitude of project types, sizes and complexities with access up to 4 million users and 64,000 openings. No other solution offers wired, wireless and off-line access control over multiple locking components including wall readers, cylindrical locks, mortise locks, interconnected locks, deadlocks, glass door locks, padlocks, cabinet locks, server locks and lockers.

A Tailored Solution

Not only can HS4 fit your current facilities requirements, but we will show you how to change the system parameters as your needs change. With ProAccess SPACE, creating keys, users and doors, user groups and zones, and setting time-period and opening modules is quick and straightforward.



WIRE-FREE

Hager powered by Salto's wire-free, read & write electronic locking solutions technology enables each door lock to communicate with a centralized database.



DESIGN

Elegant, easy to install locking solutions that can be fitted to almost any type of door or opening.



MANAGEMENT

Intuitive management of access privileges. Complete audit trails from both online and offline locking components.





8300 SERIES **LOW ENERGY POWER OPERATOR**



Ever wish you could make a door open with the wave of your hand? The 8300 Series Low Energy Power Operator, paired with one of our Touchless Wave Actuators, opens and closes the door for you. ADA Compliant and UL Listed, this helps prevent the spread of germs and bacteria.





**BRINGING INTEGRITY,
VALUE AND SUPERIOR
SERVICE TO
EVERY CUSTOMER**




Hager Companies is an independent, 6th generation family-owned door hardware and electronic access control company that is committed to providing a level of integrity and customer service to every customer. We strive to be a trusted partner to our distributors and contribute to their success, ultimately elevating the value our distributors bring to the channel.

Hager's legacy of offering quality products, collaborative partnerships with all channel partners, and the ability to consolidate and simplify the process allows us to evolve and meet marketplace demands.

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