



ALLEGION[™]

PIONEERING SAFETY[™]



203
ALLEGION SOLUTIONS
**Healthy
environments**

MAY 2020

CHANGING MINDSETS

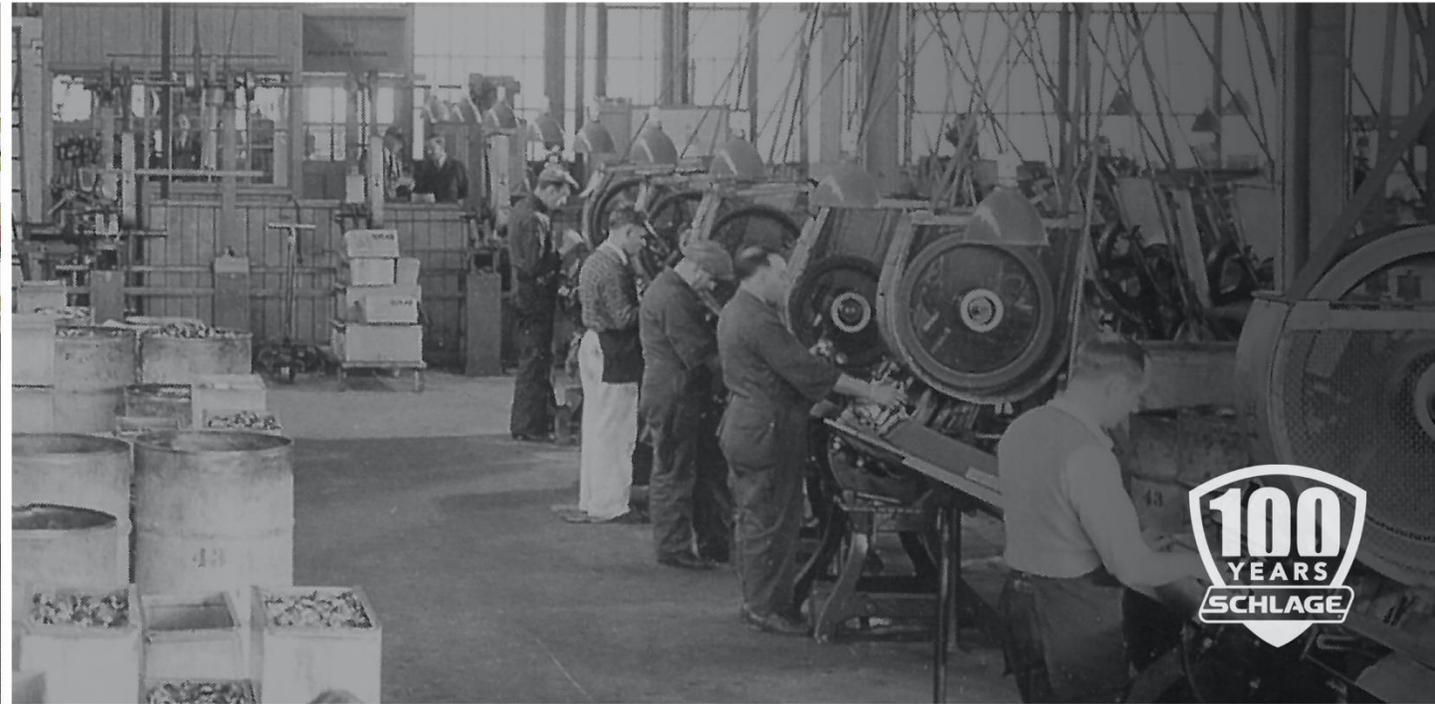
The COVID-19 global pandemic is reshaping how we live, work and play at an unprecedented pace.

Many people are reexamining their daily routine with health and wellbeing in mind.

They're looking for new and innovative solutions that can promote healthy environments and provide peace of mind, in addition to being practical and convenient.

As solutions are reimagined to meet the new challenges of today, put Allegion's experience to work for you.

Allegion is united around a common desire to protect our communities today while innovating for tomorrow. We strive to provide peace of mind to those who trust in our protection.



INDUSTRY LEADING BRANDS

With deep roots in the safety and security industry going back over a century Allegion's industry leading brands including Schlage, Von Duprin and LCN are pioneers in their categories.

BREADTH PORTFOLIO

With 30 brands and product categories spanning from lock, exit devices and closers to reader, credentials and mobile solutions Allegion is at the forefront of delivering solutions to a wide range of challenging applications.

SERVICE AND SUPPORT

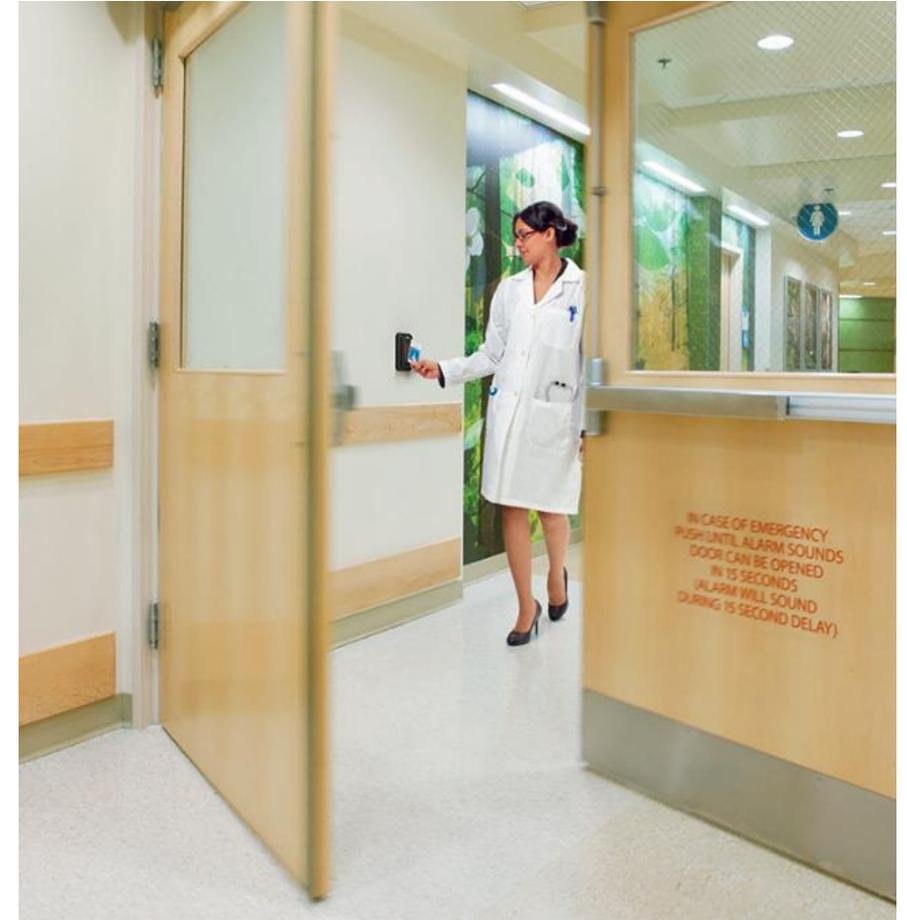
Our team of experts is here to assist you before during and after product installation with a consultative approach and services such as specification writing and training.

PROMOTING HEALTHY ENVIRONMENTS

Allegion is dedicated to promoting health and wellbeing through best practices and innovative solutions.

These solutions include:

- Properly cleaning & disinfecting door hardware
- Surface technology
- Touchless automated and mechanical access control



Cleaning of Allegion solutions



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CLEANING/DISINFECTING BEST PRACTICES

RECOMMENDED CLEANING

- We recommend starting with mild liquid detergent mixed with water.
- Wipe surfaces gently, and do not spray or immerse.
- With water only, wipe surfaces again to remove any detergent residue; still, do not spray or immerse.

RECOMMENDED DISINFECTING

- To disinfect, we recommend following the Center for Disease Control guidelines [linked here](#) under “How to clean and disinfect,” which outline easy-to-prepare bleach or alcohol solutions or a similar CDC guideline [linked here](#)
- Wipe surfaces gently, and do not spray or immerse.
- Per CDC guidelines, do not wipe the surfaces dry; rather, allow them to air dry.

NOTE: USE OF ABRASIVE OR HARSH CLEANERS IS NOT RECOMMENDED AS THIS WILL BREAK DOWN THE SURFACE COATING.



[Learn more about cleaning and disinfecting door hardware](#)

Allegion solutions & surface technology



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ANTIMICROBIAL SOLUTION

- To promote a healthy environment, Allegion offers a wide range of products that feature a silver ion antimicrobial coating on locks, exits and accessories- please refer to catalogs and price books for details.
 - **Capabilities:** Specially formulated to inhibit the growth of bacteria by interrupting cell multiplication.
 - **Limitations:** Silver ion technology is not proven to kill bacteria, mold or mildew or to be effective against viruses.
- Allegion makes no representations or guarantees, express or implied, as to the effectiveness of the antimicrobial coating in protecting against “virus” classification of infectious diseases.
- The [Center for Disease Control](#) indicates proper hand hygiene can help prevent the spread of disease from contaminated surfaces.

[Allegion Anti-microbial Solutions Brochure](#)



Antimicrobial solutions

Overview

Bacteria reside on every surface we touch. The vast majority of bacteria are rendered risk-free by the human immune system, but infections that result from harmful bacteria are an increasing concern in areas such as healthcare, education and food service. By protecting high-touch surfaces with an antimicrobial coating, the number of bacteria that cause infections are reduced and environments where we heal, learn, work and eat are safer.

How does the antimicrobial surface work?

For bacteria to grow, its cells must be able to multiply by forming new protoplasm from nutrients available in the environment. The antimicrobial coating, made using ionic silver (AG+), is specially formulated to inhibit the growth of bacteria by interrupting cell multiplication. Ionic silver coatings interact with the bonding sites on the microbe surface. The result is that the silver ions surround bacterial cells, blockading food and slowing the growth of bacteria, mold and mildew.

Allegion solutions and touchless access



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DELIVERING SOLUTIONS

Allegion is at the forefront of delivering touchless technology that plays a role in helping prevent the spread of viruses by reducing some common physical touchpoints

- **Contact transmission** either direct or indirect can spread disease. Studies show viruses can survive on metal, glass and plastic for as long as nine days, unless they are properly disinfected.¹
- **Touchless door hardware** reduces contact transmission by decreasing the number of surfaces pedestrians come in contact with, thereby decreasing opportunities for exposure.
 - Automatic solutions
 - Manual solutions

¹ <https://www.bbc.com/future/article/20200317-covid-19-how-long-does-the-coronavirus-last-on-surfaces>



COMMON APPLICATIONS

Touchless solutions are beneficial for openings that experience heavy traffic such as the examples shown below.

- **Multi-family –**
Leasing office,
common areas,
fitness center,
restrooms



- **Healthcare–**
Secondary
entrances, cross
corridor,
restrooms



- **Commercial –**
Suite entrances,
restrooms,
conference
rooms



- **Education–**
Cafeteria,
gymnasium,
auditorium,
restrooms



Automatic touchless access



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SLIDING DOORS – TOUCHLESS SOLUTIONS

- AD Systems sliding doors available in manual or automatic configurations with air leakage tested assemblies
 - Pressurized, smoke rated for isolation spaces
- AD systems frame assemblies designed to be easily wiped down
- Pull handles available with anti-microbial coatings
- Automatic operators allow for touchless actuation



Negative pressure room with
pressurization indicator

SWINGING DOORS – TOUCHLESS SOLUTIONS

While there are several ways to accomplish touchless operation for swinging doors, pairing low energy automatic operators with actuators or readers are the most common.

This solution is also frequently used to bring an opening into compliance with the Americans with Disabilities Act (ADA).

- **Low energy automatic operator** upon a signal open the door electronically for pedestrian traffic, hold it open and then release it.
- **Actuators** provide a signal by which to activate the automatic operator, including “Wave to Open” or Contactless Readers
- **Access control** can be paired with automatic operators and actuators to restrict access to authorized individuals with valid credentials



LCN
Automatic Operator

Schlage
Multi-Tech
Reader



LCN
Touchless
Actuator

AUTO OPERATORS PORTFOLIO

Allegion's team of specification writers are available nationwide to assist with product selection and code consulting.

- **For applications where most pedestrians operate the door electronically** – Allegion offers electromechanical automatic operators that utilize a motor gearbox and control box to perform the opening and closing function.
- **For applications where most pedestrians operate the door manually** – LCN offers low energy electrohydraulic and pneumatic automatic operators that feature a heavy duty closer with a slow opening function.

[Guide to selecting an automatic operator](#)

[Door control website](#)



LCN 9500/2800 Senior Swing
Electromechanical



Falcon 8200
Electromechanical



LCN 9130/9140/9150 Benchmark
Electromechanical



LCN 4600 Auto Equalizer™
Electrohydraulic

NO-TOUCH ACTUATION

Allegion currently offers no-touch actuators as part of its auto operator solutions. These touchless devices are installed in place of push buttons and comply with ANSI 156.19 low energy standards

- **How it works:** A pedestrian simply waves their hand in front of the wall plate. The technology senses the motion and acknowledges intent to enter. No contact with an actuator, door handle, push bar, or door is required.

[Actuators website](#)



LCN 8310-810*
Heavy Duty
No-Touch Actuator



LCN 8310-813
Standard
No-Touch Actuator



LCN 8310-816*
Close Proximity
No-Touch Actuator



Locknetics WS-200
No-Touch Actuator



LCN 8310-815*
Harsh Conditions
No-Touch Actuator

*Coming soon, Q2 2020

MOTION SENSOR ACTUATION

Allegion offers a motion sensor actuator packaged with ANSI 156.10 sensors.

Such sensors, typically used for high energy applications, are applicable here because motion actuation does not qualify as a “knowing act”, therefore, these safety sensors are needed.



TRANSMITTERS & RECEIVER

Allegion offers transmitters that can be programmed to actuate an auto operator. FOBs are commonly used for accessibility and are another contactless way to actuate an automatic operator.

433 mHz



8310-861
Transmitter



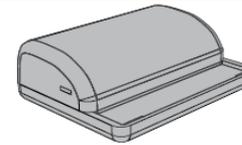
8310-862
Transmitter



8310-863
Transmitter



8310-864
Transmitter



8310-865
Receiver

900 mHz *



8310-880



8310-881



8310-882



8310-883



8310-884



8310-885



8310-886

* Coming soon, Q2 2020

CONTACTLESS READER PORTFOLIO

Schlage multi-technology readers can be used as part of an access control system to actuate an auto operators for authorized individuals.

These readers recognize proximity, Schlage smart card, Schlage Mobile Credentials and NFC-enabled smart technology.

Simply present a valid credential, such as a phone or smart card, and gain entry without making contact with the reader or door.

[Schlage Readers website](#)



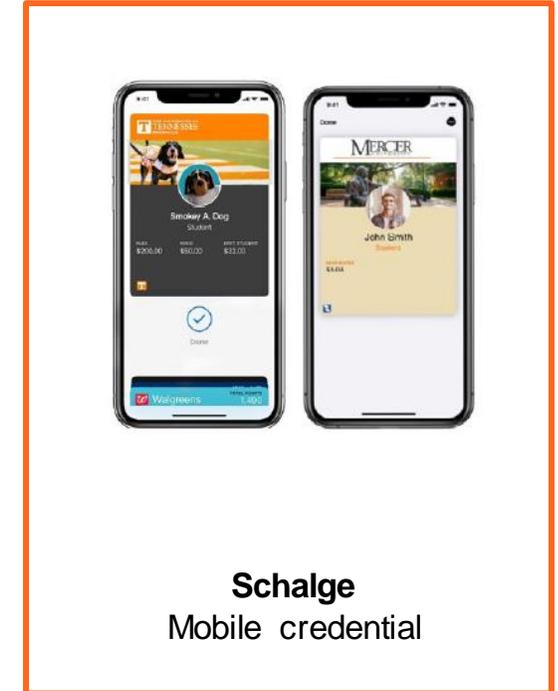
Allegion's open architecture eco-system enables PACS providers solutions to seamlessly work in our environment.

CREDENTIAL PORTFOLIO

Allegion offers a full range of credential technologies from proximity to smart to mobile and involves partners in our open architecture system.

- **Contactless** – A contactless credential does not require a user to touch a reader simply-presenting a card to the reader (Ex. Smart card credential)
- **Passive-** A passive credential validates access when a users is in proximity to the opening without requiring them to take any action (Ex. Passive mobile credential by others via Allegion open architecture eco-system)

[Schlage Readers website](#)



Allegion's open architecture eco-system enables PACS providers solutions to seamlessly work in our environment.

ELECTRIC STRIKE PORTFOLIO

Electric strikes release the keeper allowing door to open upon signal from the access control system. They can be used as part of a touchless system when paired with an auto operator.

- **Von Duprin:** Offering a broad portfolio of electric strikes with a wide range of factory orderable options Von Duprin covers a range of applications and is an ideal choice for high use and abuse openings.
- **Locknetics:** Designed for the aftermarket Locknetics provides cost effective solutions for common applications with a versatile portfolio of products with field configurable options. This includes No-Cut strikes for easy retrofit.

[Electric strike website](#)



Von Duprin 6300
Electric Strike



Locknetics NC Series
Electric Strike

EXIT DEVICE PORTFOLIO

As an industry leader, Allegion offers a comprehensive portfolio of exit devices to cover a broad range of applications. Energy efficient electrified options, such as Von Duprin QEL and Falcon MEL, electronically retract the latchbolt upon signal from the access control system and can be paired with auto operators for touchless applications.

- **Von Duprin:** Offers durable solutions that are proven in the field to perform under heavy use and abuse and backed by a team of experts experienced in door hardware application and code compliance.
- **Falcon:** Provides quality products at a reasonable price delivered on time.

[Exit device website](#)



Von Duprin 98/99 Series
Exit Devices



Falcon 24/25 Series
Exit Devices

ACCESSORIES PORTFOLIO

Allegion offers a complete portfolio of system components used as part of an access control system in touchless applications.

- **Electrical Power Transfer** – provide a means of transferring electrical power from a door frame to the edge of a swinging door.
- **Power Supply**- used to convert high voltage AC power into the low voltage DC outputs required by most access control devices and protecting downstream devices by providing filtered and regulated power.
- **Door Position and Request to Exit Switches**- enable monitoring of an opening when paired with an access control system.
- **SCAN II**- a compact, passive infrared detector specifically designed for “request-to-exit” applications.



Schlage PS900 Series
Power Supplies



Von Duprin EPT
Power transfer



Schlage 674-OH
Door Position Switch



Schlage SCAN II
Detector

Manual touchless access



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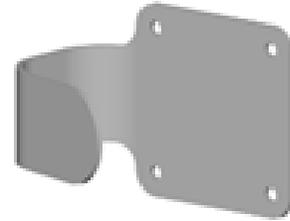
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HANDS FREE DOOR ACCESS

Allegion offers a variety of hands-free solutions, including Ives door pulls and Allegion opening hand tools. The Ives arm pulls and foot pulls enable pedestrians to operate the door with an arm, elbow or wrist to avoid contacting surfaces with their hands.

- **Cost effective**
- **Easily retrofittable**
- **Aesthetically pleasing**

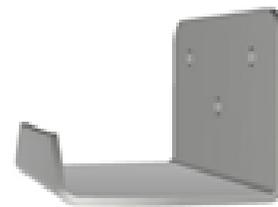
[Learn more](#) about the hands-free pulls offering.



IVES AP101
Arm Pull



Allegion OTP300
Plastic Opening Hand Tool



IVES FP100
Foot Pull



Allegion OT300
Metal Opening Hand Tool

Resources



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PUTTING IT ALL TOGETHER

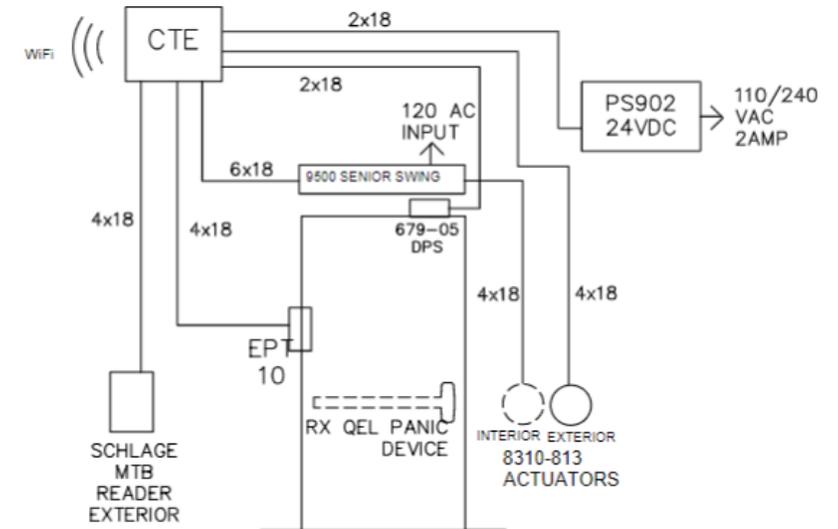
Allegion takes the complexity out of specifying touchless solutions by providing wiring and riser diagrams for common applications that show you how all the components to the solution work together.

TOUCHLESS ACTUATORS ONLY

- Opening type – Non-latching bathroom door Hardware
- Opening type – Latching interior door Hardware
- Opening type – Interior double egress fire rated pairs (Hospital)

READER AS AN ACTUATOR

- Opening type – Exterior access control door Hardware (Institutional Verticals)
- Opening type – Exterior access control door Hardware (Commercial/ MF Verticals)



To address the unique needs of each application please contact support@allegion.com to request custom wiring and point to point diagrams for your project.

ADDITIONAL RESOURCES

Touchless solutions by Allegion™

Buildings have found that touchless surfaces are worth the investment for high-traffic areas, especially in high-traffic applications. From the main entrance of an office building to those throughout a hospital, there are many areas that benefit from touchless surfaces. [Touchless solutions by Allegion™](#)

Touchless door hardware, like lock devices and doors, makes it easier to stay healthy in high-traffic applications. From the main entrance of an office building to those throughout a hospital, there are many areas that benefit from touchless surfaces. [Touchless solutions by Allegion™](#)

Additionally, many are switching to touchless access solutions. These can allow access to facilities by lowering the number of surfaces that are touched. In a facility, such as a hospital, touchless access solutions for readers, such as using an automatic door opener, can help reduce the number of surfaces touched. [Touchless solutions by Allegion™](#)

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Wiring diagrams

Wiring and riser diagrams for common touchless applications are available. They show how all the components of the solution work together.

- Accessories**
Wiring and riser diagrams for common touchless applications are available. They show how all the components of the solution work together.
- Automatic operators**
Automatic operators are used to open and close doors. They are used in high-traffic areas, such as hospitals and hotels.
- Actuators**
Actuators are used to open and close doors. They are used in high-traffic areas, such as hospitals and hotels.
- Contactless readers**
Contactless readers are used to open and close doors. They are used in high-traffic areas, such as hospitals and hotels.
- Credentia**
Credentia are used to open and close doors. They are used in high-traffic areas, such as hospitals and hotels.
- Electric strikes**
Electric strikes are used to open and close doors. They are used in high-traffic areas, such as hospitals and hotels.
- Exit devices**
Exit devices are used to open and close doors. They are used in high-traffic areas, such as hospitals and hotels.

Want to talk to an expert?
We have a team of experts ready to help you with your touchless solution. [Contact us](#)

ALLEGION



Allegion offers wiring and riser diagrams for common touchless applications that show you how all the components of a solution work together.

Touchless actuators only:

- [Opening type – Non-latching bathroom door Hardware](#)
- [Opening type – Latching interior door Hardware](#)
- [Opening type – Interior double egress fire rated pairs \(Hospital\)](#)

Reader as an actuator:

- [Opening type – Exterior access control door Hardware \(Institutional Verticals\)](#)
- [Opening type – Exterior access control door Hardware \(Commercial/ MF Verticals\)](#)

[Wiring Diagrams](#)

Please check back for updates. New resources will continue to be added, including:

- [Web page](#)
- [LCN Touchless Solutions Brochure](#)
- [LCN Touchless Solutions Sell Sheet](#)

[Infographic](#)

SERVICE & SUPPORT



20+ local offices with expert consultants ready to support you



16 field technical support representatives available onsite to trouble shoot product application and installation issues and provide training



Our team of **technical support experts** based in the U.S. average more than **15 years** of experience and are available to take your call at **877-671-7011**



40+ regional and factory training courses available, **25+** online courses, **140+** educational and how to videos and **60+** AIA courses available

[Contact us](#)

Appendix

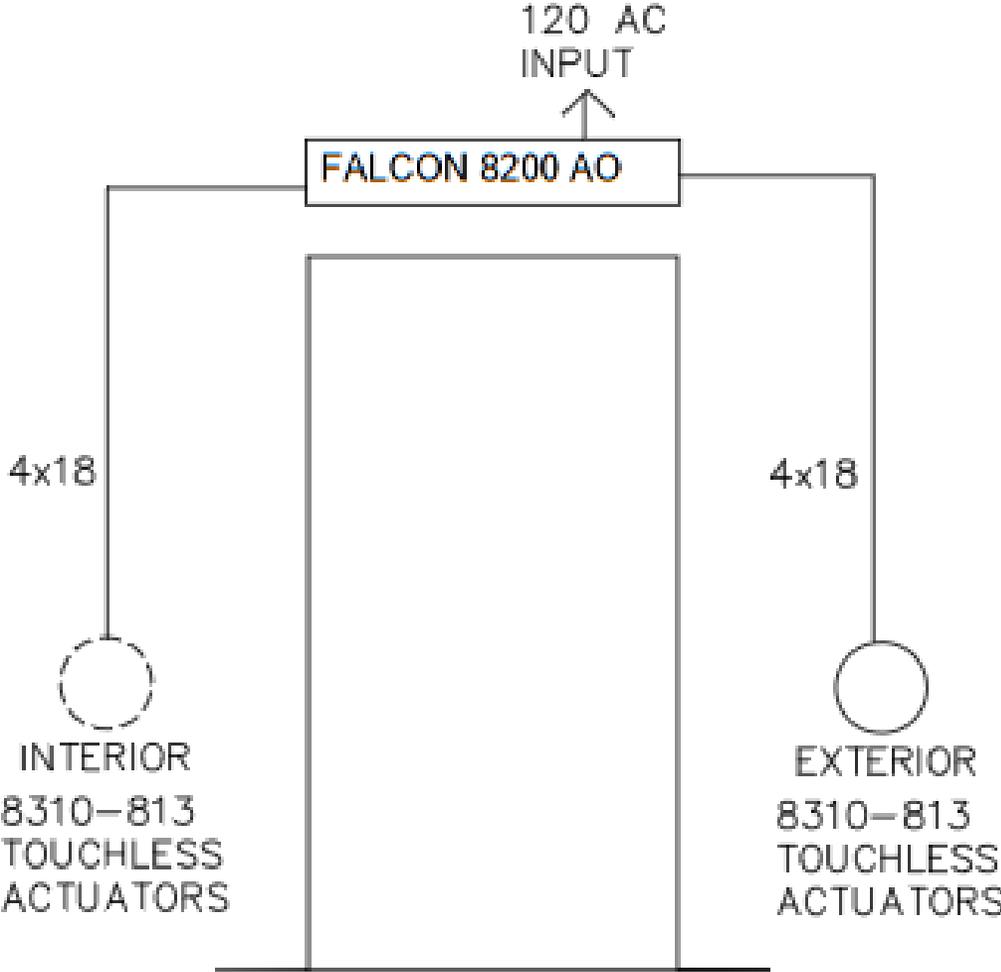


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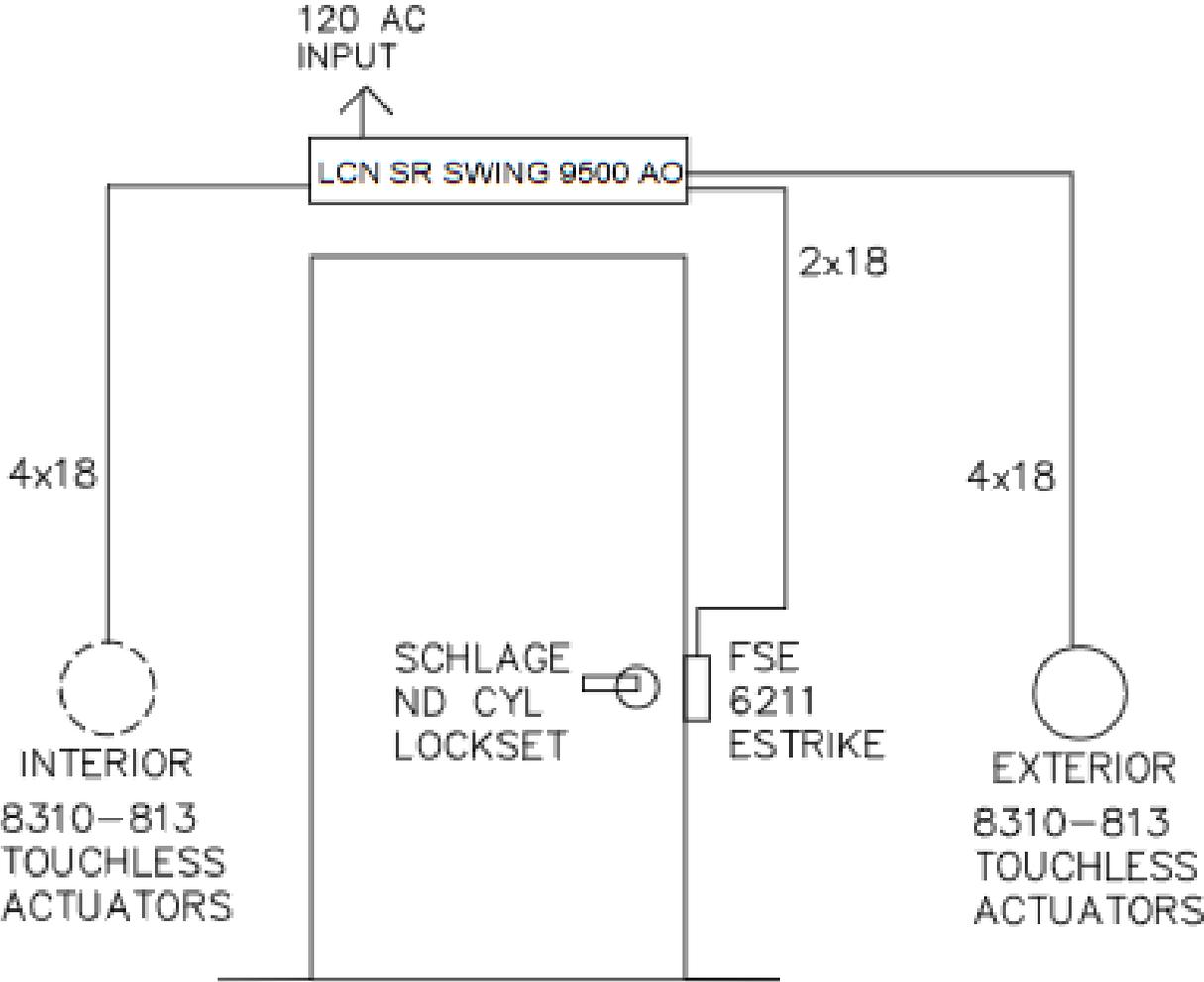
OPENING TYPE

NON-LATCHING
BATHROOM
DOOR HARDWARE



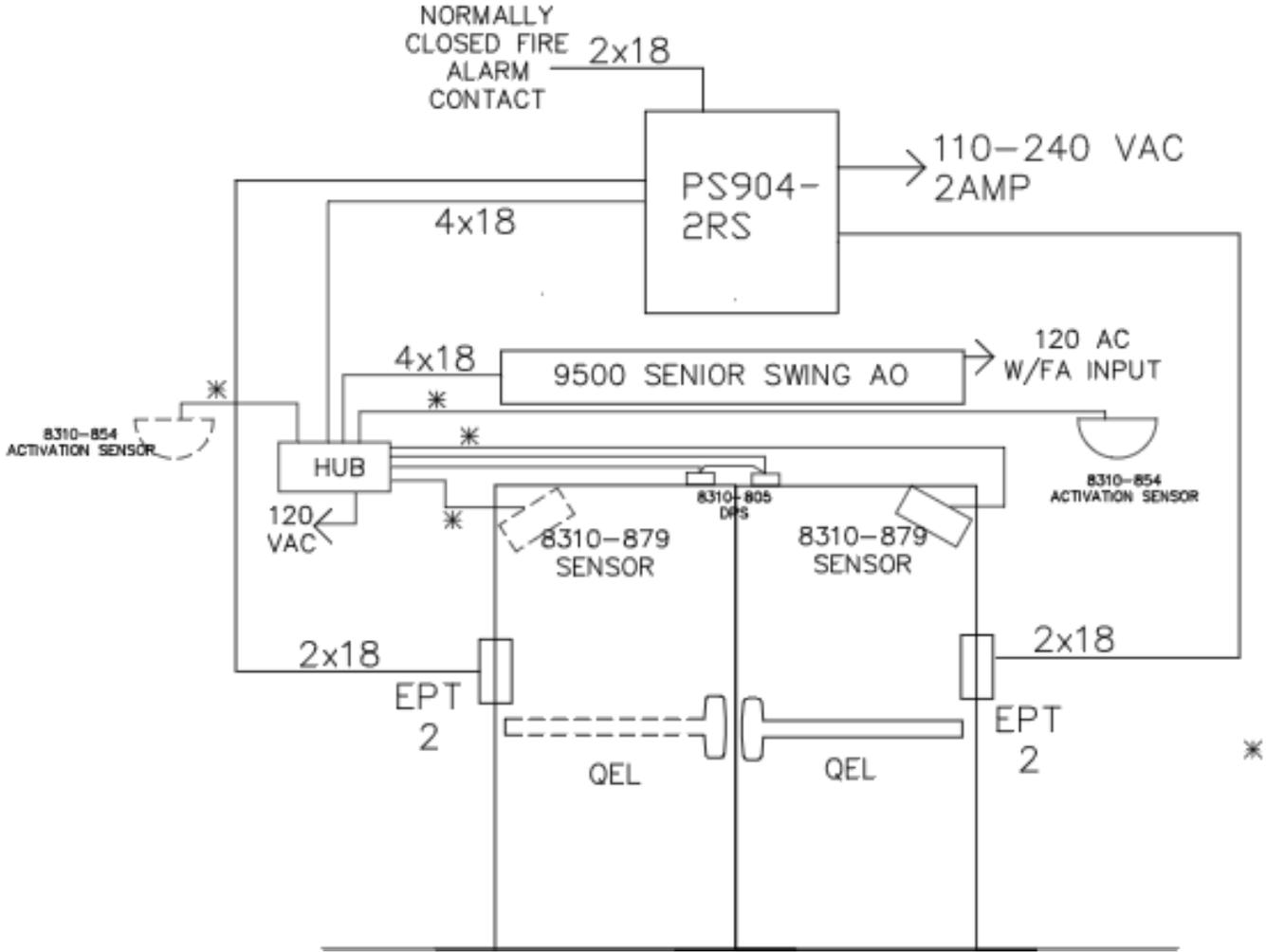
OPENING TYPE

LATCHING INTERIOR DOOR HARDWARE



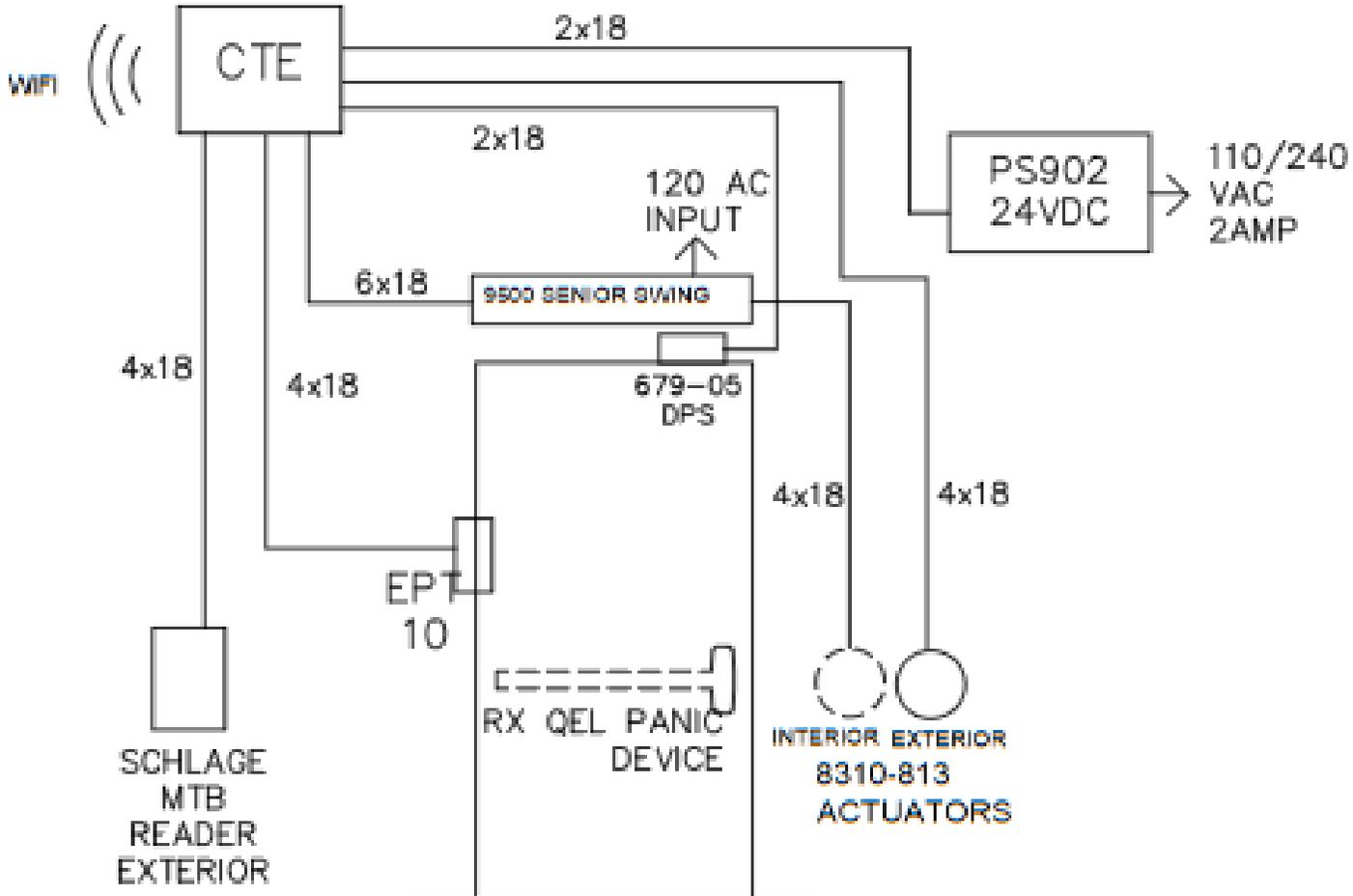
OPENING TYPE

INTERIOR DOUBLE
EGRESS FIRE
RATED PAIRS
(HOSPITAL)



OPENING TYPE

EXTERIOR ACCESS
CONTROL DOOR
HARDWARE
(INSTITUTIONAL
VERTICALS)



OPENING TYPE

EXTERIOR
ACCESS
CONTROL
DOOR
HARDWARE
(COMMERCIAL
AND MF
VERTICALS)

