

Series 4900ASR Automatic Security Revolving Door



Maintenance & Inspection Manual

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OPERATING INSTRUCTIONS

The C J Rush Series 4900ASR Automatic Security Revolving door allows for two way simultaneous traffic flow. When combined with high-speed card readers, the system eliminates the problems of large volume traffic during rush hours and maintains high security performance.

The Series 4900ASR functions automatically with a 230V motor. The incoming line voltage is 110V to the VFD where it is stepped up to the motor where the brake system is incorporated into the motor. The system is compatible with all types of card readers or with any device providing a Go/No Go signal. The controller has full diagnostic capability and can be easily reprogrammed to change functions. Door program is factory set to typical industry standards if none are provided for the job.

The ceiling of the Series 4900ASR Security Revolving Door is assembled with pie shaped panels made from .062" aluminum sheet and held securely in place by security clips. These panels are easily removed from the secure side for servicing of the controls or automatic components.

Detection of unauthorized entry can be either by ceiling mounted infrared sensors for anti-tailgating, or by TOF (Time of Flight) sensing technology for anti-piggybacking and anti-tailgating when ordered.

- The door is equipped with a green indicator light situated on the right hand exterior post approximately 60" off the floor.



- When presenting a valid ID card to the reader, and the card has been accepted (the light will go green) you have 10 seconds to enter the door. The door will start to rotate automatically when a person enters the revolving door, after valid security presentation.
- In order to avoid confusion, it is recommended all other signals (lights or beeps) be disconnected or ignored. Only this light should be used to indicate the door is released.
- The door starts rotating when the authorized user enters the revolving door and is picked up by the infrared motion sensors. The revolving door rotates 180° to allow entry into the building. After this rotation, the door stops by means of the brake on the motor and the wings are then locked in place and cannot rotate until another valid ID signal is received by the control.

- If properly used the door should not lock up on a valid user, unless an unauthorized user attempts to pass through the door during the door rotation cycle. Emergency reverse push buttons are located on the interior center mullions of the Series 4900ASR Security Revolving Door which can be used to send a signal to the monitoring center in case of entrapment. Push and hold this button until the door starts to reverse.

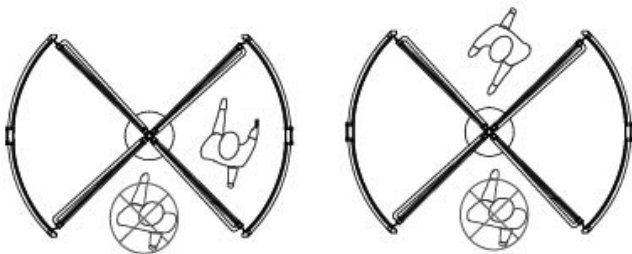
If additional product information is required, please contact one of our C J representatives at the toll free number indicated on the previous page. Product demonstrations can also be arranged for the customer.

Anti-Tailgating

The Series 4900ASR doors have ceiling mounted infrared sensors for anti-tailgating detection. Anti-tailgating

Secure Area

Secure Area



Public Area

Public Area

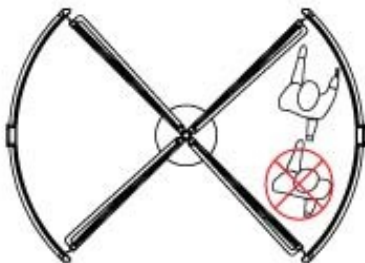


prevents unwanted intruders from entering the secured facility by following in the next section of the revolving door, or by attempting to enter when a person is leaving from the secure side (if so equipped). On detection, a voice command will tell the unauthorized user to exit the door. When the secured area is cleared, the door will rotate to the next corner post location.

Anti-Piggybacking

Utilizing the Optex OV-30x TOF technology, this unit is also provides anti-piggybacking detection. Anti-piggybacking prevents unwanted intruders from entering the secured facility by trying to use the same section of the revolving door on a single authorization.

Secure Area



Public Area

Optex OV 30x is an overhead sensing system mounted in the ceiling of the revolving



The TOF sensors capture reflected light to create images of the door users. This image is compared to a database of stored images to determine whether there are one or two persons entering or exiting a secured area on a single security authorization. Unauthorized persons are required to exit the door when it reverses on a security violation detection. It prevents unauthorized entry, ensures a safe and secure internal environment for employees and property.

Voice Enunciator speaker



Collapsing Wings

The Series 4900ASR Security Revolving door uses the unique C J Rush concealed collapsing mechanism for emergency egress from the building. During normal operation of the door, the wings are held in place by means of a spring loaded cover plate locking the overhead collapsing mechanism cams from rotating, preventing breakout. A security or fire alarm signal releases the ball screw actuator system which holds the cover plate in place, and allows the wings to then be manually collapsed for emergency egress.

In case of power failure, the door locks up, the wings cannot collapse and entry or exit cannot occur, so the facility is fail-secure. With a power failure, the security door can be operated if a secondary power source (110 V) is provided to the door, such as a tie in to the emergency power of the building or a battery backup that provides the required power.



Controls

A Panasonic PLC based programmable controller integrates with all access systems as well as with the OV-30x controller to provide secure access system. Factory preset programming allows safe, reliable door operation.

Important: Door controls can only be serviced by an authorized C J service representative.

Door Ready Light

A “door ready” light, installed on the exterior post (and one on the interior corner post, for 2-way security), will glow green on a successful card read to indicate that the authorized user can enter the secure area.



Key Switches

Key switches with LED indicators are located on the interior corner post on the secure side of the revolving door.



Upper Key Switch –This switch is a two-position switch. It is used to activate the actuator that is used to lock the door wings.

- In the Vertical position the door is normal run mode. The actuator is extended, and the doorwings are locked in the normal position. The green LED is illuminated.
- In the horizontal Position- (Turned 90° clockwise) The door will stop, the actuator retracts, and the door wings can break away. The Red LED light will illuminate.

Lower Key switch

Maintenance & Inspection Manual

- In the Vertical position the door is normal run mode.
- In the horizontal Position- (Turned 90° clockwise) The door is in reset mode. This will shut off power and allow the door to be moved manually for cleaning maintenance etc. It can also be used for a soft reset of the door PLC and Optex Computer.

Safety Sensors – Entry Point Sensors

This knowing act door provides additional safety for users to prevent injury with corner post rubber compression sensors on the entry to either side of the revolving door. Depression of the sensors stops rotation of the door for safety.



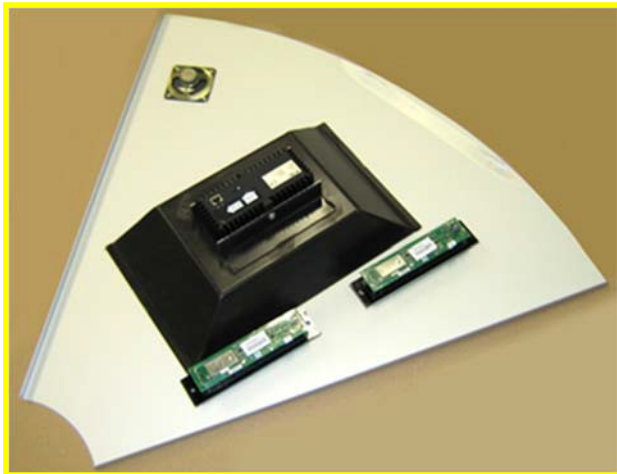
Corner post (Entry point) sensors are heavy duty rubber compression sensors which stop door rotation when compressed by a person or an object. They are active to 48" above floor level.

Optex OV-30X TOF Sensor

The Optex OV-30X sensing system's proven Time-of-Flight (TOF) technology provides both anti-piggybacking and anti-tailgating detection. Separate infrared sensors are not required for tailgating detection as this security violation is also detected by the OV-30x sensor. This is achieved through the self-contained infrared light sources and camera capturing the timed reflected light. An internal processor in the OV-30x measures the time of reflected light and creates a depth image to analyze the objects within the revolving door. This allows the built-in processor to determine if one or two persons have entered into the security revolving door. The processor compares the image with images stored in memory to detect security violations.

NOTE: Refer to the Optex Operating Manual – Anti-Piggyback Sensor Model No. OV-30X. Please contact the factory at 1-888-30x-5407 to request for a PDF copy of the manual.

The Optex OV30X TOF sensor ambient operating temperature range is -10 degree Celsius to 50 degree Celsius.

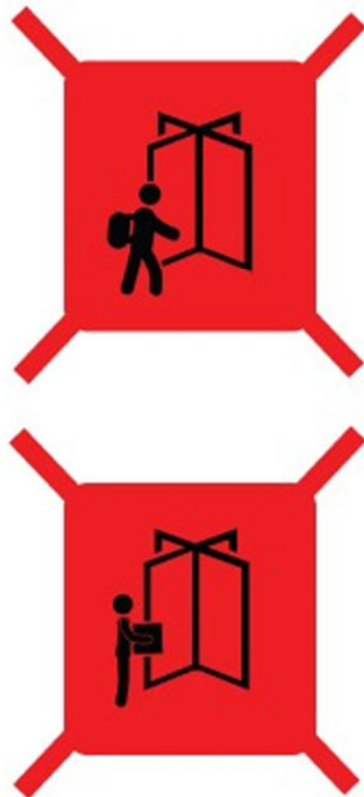


Ensuring Seamless Authorized Entry:

The security revolving door installed at your facility is designed to allow entry of only one authorized user at a time. Its advanced sensor system can detect and prevent unauthorized entry, tailgating and piggybacking attempts.

The sensors may interpret a person carrying a larger object such as a briefcase, box or backpack to be two people piggybacking together and will thus prevent passage through the door. To avoid such occurrences, please carry objects through the door at waist level or below to ensure uninterrupted passage.

CARRY OBJECTS AT WAIST LEVEL



Infrared Sensors – On exit only

- 1) The Series 4900 ASR doors have ceiling mounted infrared sensors for anti-tailgating detection. Anti-tailgating prevents unwanted intruders from entering the secured facility by following in the next section of the revolving door, or by attempting to enter when a person is leaving from the secure side. (Note: Refer to the BEA Focus 2 User Guide. To view or download a PDF copy of the manual, visit their website at www.bea-pedestrian.be/uploads/docs/manuals/FOCUS-EN-42.0564.01.UG/pdf)

On entry to the door from the unsecure side, the IR sensors are used as presence sensors to activate the door.

NOTE: The BEA Focus sensor ambient operating temperature range is -25 degree Celsius to +55 degree Celsius.



Door Operation

Prior to Using the door – User must insure ID is ready for use. All backpacks, shoulder bags, etc., should be removed from the shoulder area and held down at waist level or lower. This will eliminate any false readings of piggybacking.

Step 1 – Present a valid ID badge to the card reader. When the card ID has been accepted and the revolving door is ready for use, a green LED light will illuminate.

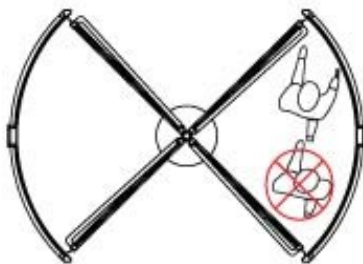


LED light illuminates green indicating door is ready to use

The user can enter the revolving door. The user must enter the revolving door within **10 seconds** of a valid ID signal or the door will time out and the initiation process must be restarted.

Only **one valid user is allowed into each section at a time**. Two persons entering a section will result in an invalid passage (piggybacking) and the door will stop. The door will reverse and a voice enunciator requests that both persons exit the door. A new entry must be undertaken.

Secure Area



Public Area

PIGGYBACKING IS NOT ALLOWED.

NOTE: On entering the door there is a rubber safety bumper on the corner post of the revolving door. Compressing this bumper will result in the door stopping rotation for safety reasons. Once released, the door will continue to rotate.



Safety Bumper

Step 2 – Enter the revolving door. The presence sensor in the door section ceiling will pick up the user and will start to rotate automatically. **DO NOT PUSH THE DOOR WINGS.** The door wing will rotate 180 degrees allowing the user to pass freely from the non-secure side to the secure side (interior).



In the extremely rare case where the door does not complete full rotation and stops with a user within the revolving door, there is an Entrapment Release button on the interior center mullion of the door. **PUSH AND HOLD** this button until the door starts to rotate in reverse. The user must exit the door when the door has stopped rotating.

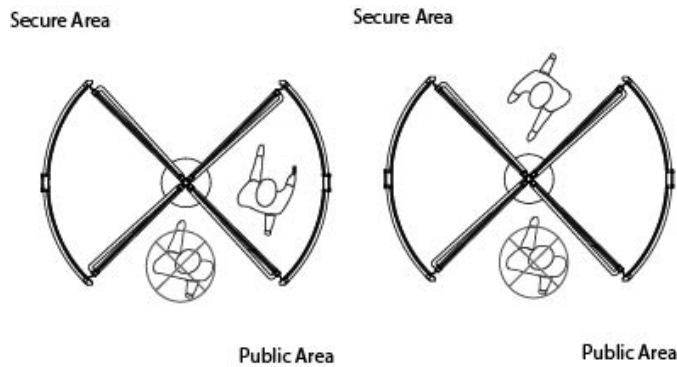
Step 3 – User exits the revolving door.

Multiple Users –

The door is designed for multiple users at one time. As long as there are continuous valid ID signals being given to the revolving door, with acceptance, the door will continue to rotate. During rotation of the door, if an invalid passage results, and the user enters the door, the door will stop rotating. A voice enunciator will indicate the door

will reverse and the invalid user must exit the door before the door will continue to rotate. This is called a tailgating security violation.

Tailgating Violations



Exiting the building – Procedures for exiting the building are the same as above for entering the building, in the case of a secure exit set up of the door.

Procedure For Installing Door Decal Set On C J Rush Automatic Revolving Doors

Door decals are a requirement for ANSI/BMHA 156.27 - 2011 Standard.

Automatic revolving doors shall be marked with signage visible from both sides of each wing. Make sure the revolving door stickers are aligned consistently on each door wing.

1. Thoroughly clean glass surface of the revolving door wings.
2. Locate center line of decal 50" +/- 12" from finished floor.
3. Peel back a small section of the decal backing.
4. Hold decal up to door in the desired location, making sure the decal is straight. Install the 'Automatic door' sticker closest to the outside edge of the revolving door wing, allowing approx. 8" clearance to the interior of the vertical stile of the wing. Install the 'IN' sticker towards the inside of the revolving door wing, allowing approx. 4" between the stickers.
5. Apply sticky surface of decal to the door wing glass.
6. Smooth decal to door with wooden ruler or any flat rigid tool, being careful not to use a sharp object that could cut the decal.
7. Slowly remove remainder of decal backing at the same time using straight edge tool as a squeegee. This will force out the air bubbles.

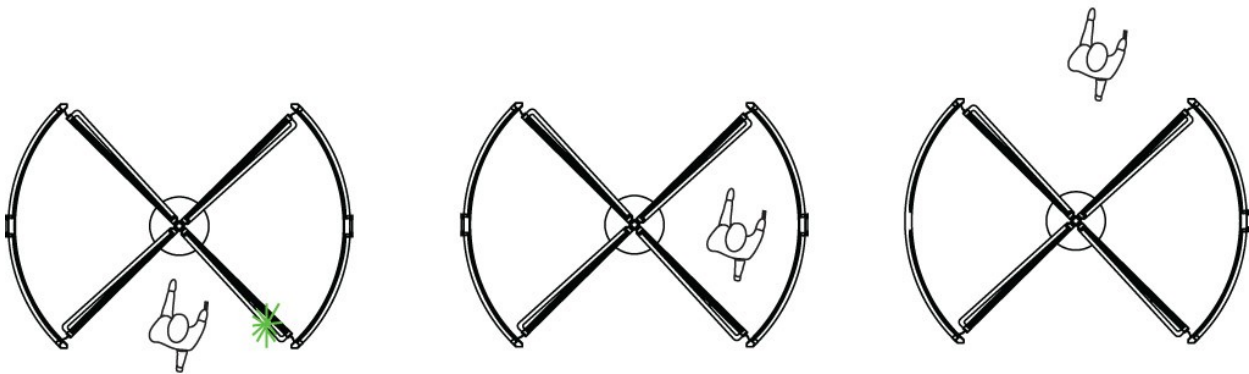


4900ASR Door Operation with Anti Piggybacking Sensors

The operation described below is for the passage through the door, which is checked by a combination of OV30x and Infrared sensors.

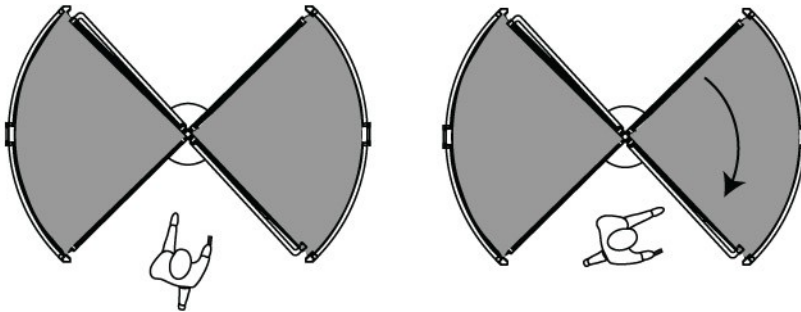
- If the door is locked in rest position it will only start up if two conditions are met:
 - User is issued a valid authorization, for example by a card reader and
 - User steps in the 4900ASR and the Infrared sensors are activated.
- Simultaneous passage of two authorized users (one in each direction) is possible.
- When an authorized user steps into the door and accidentally activates the safety bumper on the frame stile this leads to a loss of authorization.
- Holding the door is possible for safety reasons, but will lead to a loss of authorization.
- The door can be used manually in case of a power failure (fail secure).
- The door will always return to its home position (✕), first with normal speed and for the last twenty degrees before home position with slow speed. In the home position the door is automatically locked.

One authorized user



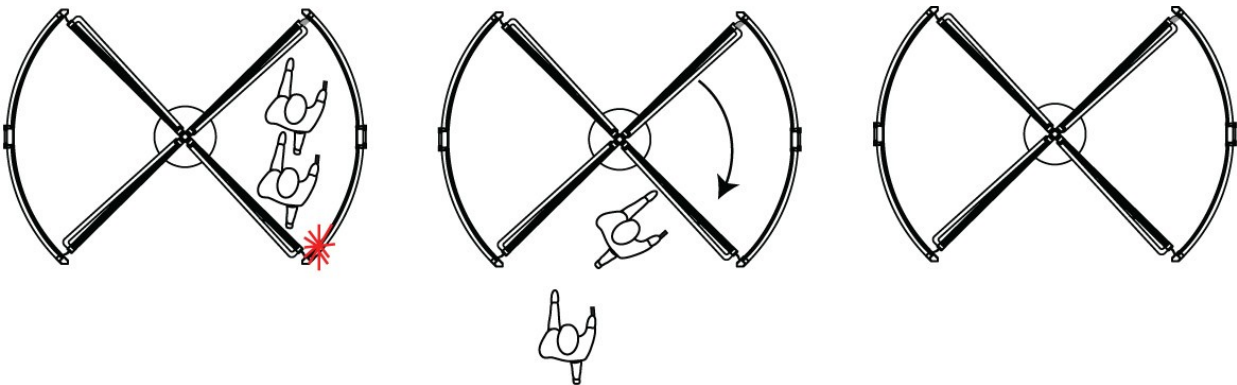
- The user gets authorized for passing through the door, for example by a card reader.
- The green signal-led on the stile illuminates after the user has been authorized. The green signal-led illuminates as long as the door is ready for passage (approximately 10 sec.).
- The user steps into the 4900ASR and the Activation Infrared sensors will detect the person. The door will begin rotation.
- The OV30x system will determine if the user is alone and there are no other suspicious conditions like large goods, two people, etc.
- When the segment where the user stands is fully closed a signal is given to the card reader system and the green signal-led goes out.
- The door will complete its 180-degree rotation.
- The user leaves the door on the other side.

One unauthorized user



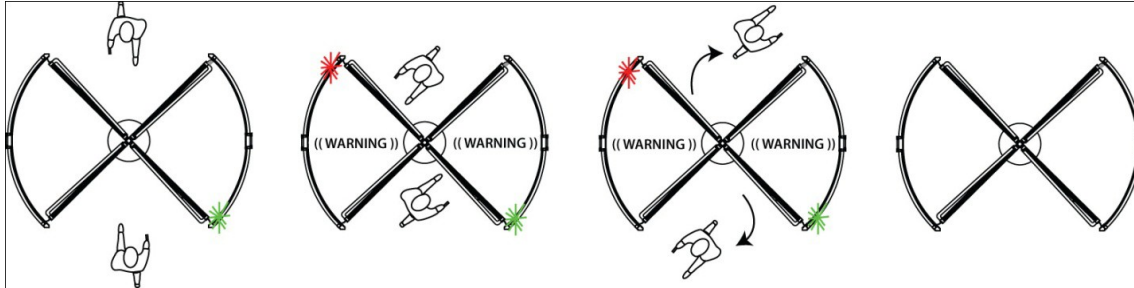
- When an unauthorized person steps into the 4900ASR the door will not start up.

One authorized user and one unauthorized user, in the same segment (Piggybacking)



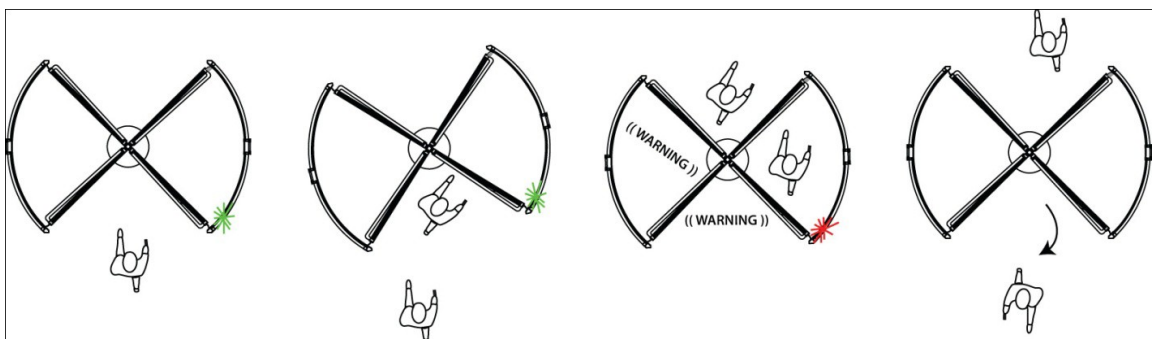
- An unauthorized person steps into the 4900ASR in the same segment as the authorized user.
- The OV30x sensor detects two persons and stops the door.
- An audible warning is activated “Piggybacking Detected, Caution door will reverse”. The door will automatically reverse direction and rotate back to allow users to exit. Reversing of the door allows both persons to exit the door at the same side as where they entered.
- A red reversing button is installed in the event the door does not reverse and the users become entrapped. To reverse the door in this case the button needs to be pressed. This button is installed on both the centre stiles inside the door.
- When both persons have left the door, the door rotates to its home position (X).
- The authorization is lost.

One authorized user and one unauthorized user from the other side. (Unauthorized Entry)



- This occurs when the door revolves because of an authorized entry and an unauthorized person steps into the 4900ASR from the other side.
- The unauthorized person will be detected and the door stops in, or close to, the plus position (+).
- An audible warning is activated "Unauthorized Entry, Please Exit the door".
- The door will not rotate and both the authorized and unauthorized persons must exit the door at the same side as where they entered.
- When both persons have left the door it will rotate to its home position (X).
- The authorization is lost.
- If, during rotation, an unauthorized person steps into the door at the latest possible moment, the door will stop and immediately rotate back to the plus position (+). The unauthorized person will have to leave the door on the side he entered.

One authorized user and one unauthorized user from the same side (Tailgating)



- Tailgating occurs when the door revolves because of an authorized entry and an unauthorized person steps into the second segment of the 4900ASR from the same side.
- The unauthorized person will be detected and the door stops immediately in, or close to, the plus position (+).

- An audible warning is activated “Unauthorized Entry, Please Exit the door”. The door will not rotate and the unauthorized person must exit the door at the same side as where they entered.
- The authorized user will have to leave the door as intended.
- When both persons have left the door it will rotate to the home position (✕).

Passage with Infrared sensors only

The working principle described in this paragraph is for the passage from the secured side to the non-secured side, which on a 4900ASR with one-way OV30x is checked only by Infrared sensors.

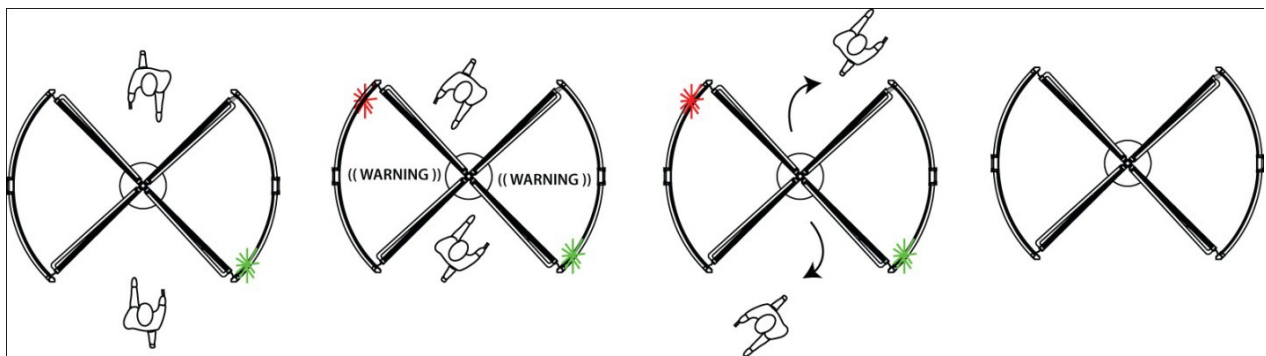
Only operations are described which differ from the passages with OV30x.

- This passage does not reach the high security level as obtained with the OV30x sensor technology.
- The general conditions are identical to the operation principle of OV30x combined with Infrared sensors
- When an authorized user steps into the door and accidentally activates the corner post safety bumper this will not lead to a loss of authorisation.

One authorized user and one unauthorized user, in the same segment (Piggybacking)

- Piggybacking occurs when an unauthorized person steps into the 4900ASR in the same segment as the authorized user.
- The Infra Red sensors will not be able to detect if one or two persons are present and will therefore not stop the door. This is where the system differs in security level from OV30x.
- Both the unauthorized person and the authorized user can leave the door as intended.

One authorized user and one unauthorized user from the other side (Tailgating)



- Tailgating occurs when the door revolves because of an authorized entry and an unauthorized person steps into the 4900ASR from the other side.

- The unauthorized person will be detected and the door stops in, or close to, the plus position (+).
- An audible warning is activated “Unauthorized Entry, Please Exit the door”.
- The unauthorized person has to leave the door on the side he entered.
- The authorized person can continue the passage through the door, when the unauthorized person has left the door.
- When the authorized user has left the door it will rotate to its home position (X).
- If, during rotation, an unauthorized person steps into the door at the latest possible moment, the door will stop and immediately rotate back to the plus position (+). The unauthorized person has to leave the door on the side he entered.

ANNUAL MAINTENANCE

It is required that an authorized C J Rush representative be called on a minimum of a yearly basis to check, lubricate and test the support arms, bearing, motor and brake assemblies, and check proper operation of the security sensors and functions of the door. This service should **only be performed by an authorized C J Rush technical representative**.

RECOMMENDED DAILY INSPECTION

The C J Rush Series 4900ASR ASR automatic security revolving door is designed to require a minimal amount of maintenance. It is, however, recommended that the door is inspected daily by a user representative to ensure performance and safety.

Please perform the following safety check before the beginning of each day:

- 1) Check in and around the door area for any tripping and slipping hazards.
- 2) Check all push bars (if provided) for looseness (tighten fasteners as required).
- 3) Inspect all glass surfaces for chips or cracks (replace as required).
- 4) Test the door for proper functioning by performing the following:
 - a) Approach the door from the exterior side and attempt to enter **WITHOUT** obtaining a valid card read (door should lock).
 - b) Obtain a valid “card read” and observe the green indicator light on the door corner post. While this light is illuminated enter and pass through the door (you should pass through unrestricted). The door should slowly come to a halt within a 180 degree turn of the door wings, and should not come to an abrupt halt.
 - c) From the interior side of the door attempt to exit **WITHOUT** depressing the exit button (if provided), door should lock.
 - d) Depress the exit button and observe the green indicator light on the corner post; while this light is illuminated enter and pass through the door (you should pass through unrestricted).

- e) In the case of 'free flow exit' set up, stepping into the entry quadrant of the door will start the rotation of the door wings. Ensure this occurs.
- f) With the aid of an assistant, obtain a valid card read and enter the door. Have the assistant attempt to enter the next vacant segment WITHOUT a valid card read. The door should lock as your assistant steps into the enclosed area. Have your assistant step back and out of the door. At this time you should be able to proceed unrestricted.
- g) With the aid of an assistant obtain a valid card read and enter the door. Have the assistant attempt to enter with you in the same segment. The door should lock as you proceed into the revolving door. The door will then signal a security violation and reverse. Have your assistant step back and out of the door. At this time you should be able to proceed unrestricted. This check is for the anti-piggybacking function of the security door.

NOTE: If the door fails to perform as described in ANY of the above tests, please contact your authorized area service representative or C J Rush at **1-905 944 8005**.

CLEANING & CARE INSTRUCTIONS

Cleaning Instructions

1. Glass – Clean with water and a cotton cloth or use Windex*** or other like-product with a detergent and alcohol-based cleaner.
2. Aluminum or Stainless Steel – Clean with a mixture of equal parts Windex*** or other like-product and Simple Green*** All Purpose Cleaner and a cotton cloth.
3. DO NOT USE any product with alkaline or other sodium-based product as it could deteriorate the finish.
4. During winter months, avoid using excessive ice-melting chemicals; also clean frequently to remove accumulated salt and slush.

Care and Maintenance of Stainless Steel in Architectural Applications

Architectural applications for stainless generally specify the use of T304 stainless steels. This grade is an austenitic stainless steel.

It is specified in the following common architectural finishes:

- | | |
|------------------------|--|
| Imperial Finish | - a matte gray textured finish similar to a shot blasted pattern |
| Ezeform Finish | - a rolled pattern finish available in both a bright and dull lustre |
| #8 Mirror | - a highly polished reflective finish (mirror type finish) |

#4 Satin

- a general purpose finish produced by abrasive belt polishing of cold rolled sheet

XL Blend S

- a finish similar to #4 but finer in texture, handling marks, scratches, and minor surface damage are readily masked by localized re-grinding on this finish

All stainless architectural materials are supplied in the passivated or corrosion resistant condition. They do require periodic cleaning just as other materials do when in service. Exterior components for example are subjected to road salt spray at ground level and deposits from polluted urban air at higher levels, Finger marks, deposits from

tobacco smoke, and other stains can detract from the original, attractive appearance of interior stainless applications.

One of the outstanding features of stainless steels is the ease with which its fine appearance can be maintained. There are some important considerations that should be understood by those charged with the responsibility to care and maintain these architectural products.

General Precautions:

- 1) Wash all stainless areas regularly with warm water and mild soap or detergent using a clean cloth or soft brushes.
- 2) The frequency of regular maintenance cleaning will depend on the degree of contamination and the aesthetic needs of the individual user, in the case of exterior panels, once a year is the minimum recommended practice. Interior areas may need frequent attention at ground level due to finger marks etc. with higher levels receiving yearly or twice yearly attention.
- 3) Do not allow dirt to accumulate. Remove any stubborn grime using recommended cleansers and methods, do not use ordinary steel wool or other metal scrapers to remove stubborn dirt as these will contaminate the stainless and mar the architectural finishes. Do not use harsh, abrasive untested cleaners in stubborn areas.
- 4) Do not allow the cleaning agent to come in contact with cement on all glass door wings as this will cause cement to deteriorate
- 5) As tapes, resins and finishes react differently to certain cleaning agents, it is recommended to test the cleaning agent on a low visibility area to check for surface discoloration before proceeding. It is advisable to work on reasonably small sections at a time, e.g. 4' x 4'.
- 6) Always clean in the direction of original polish or grit lines.
- 7) Always rinse after cleaning and blow dry or wipe dry.

Routine Cleaning:

- 1) Rinse with water to remove as much soil as possible.
- 2) For normal stains, air born dirt, etc., apply a soap or liquid detergent product or 5% ammonia solution in

water (preferably warm) to the Maintenance & Inspection Manual

- 3) Rinse well with water.
- 4) Remove excess water ensuring that all strokes are in the same direction (following the polish lines) preferably top to bottom and overlapping and let dry. The use of a "squeegee" is helpful in facilitating this drying process.

SPV Adhesive Tape Residue:

Surface protective materials when peeled off the stainless can leave minor amounts of tape residue on the surface which can facilitate the adherence of airborne dirt particles. Proper removal is desirable to maintain good overall appearance. Rinse with water to remove superficial dirt.

- 1) Apply a stainless cleaner and polisher or organic solvents (e.g. methyl hydrate or rubbing alcohol) or paint or lacquer thinners with a rag, sponge or fiber brush with a soft nylon or natural bristle using long, light strokes.
- 2) Rinse well with water.
- 3) If necessary, repeat the above steps until all tape residue is removed.
- 4) Remove excess water ensuring that all strokes are in the same direction (following the polish lines) preferably top to bottom and overlapping and let dry. The use of a "squeegee" is helpful in facilitating this drying process.

Oil or Grease Marks:

- 1) Rinse with water to remove as much deposits as possible.
- 2) Where grime contains significant amounts of oil or grease, apply an organic solvent such as acetone, ether, alcohol, xylene, naphtha or a 5 to 15% caustic soda solution (hot or cold) with a sponge or rag.
- 3) Rinse well with water.
- 4) Remove excess water ensuring that all strokes are in the same direction (following the polish lines) preferably top to bottom and overlapping and let dry. The use of a "squeegee" is helpful in facilitating this drying process.

Rust Discoloration:

- 1) Rinse with water to remove superficial dirt.
- 2) To remove rust spots from carbon steel contamination or high temperature discoloration marks, apply a nitric acid solution (one part of nitric acid to nine parts of warm water) and let it stand for 30 to 60 minutes before rinsing. Wear rubber gloves and always follow manufacturer's dilution instructions. It is recommended that the minimum concentration and resident time to accomplish the job be employed.
- 3) Rinse well with water.
- 4) Remove excess water ensuring that all strokes are in the same direction (following the polish lines) preferably top to bottom and overlapping and let dry. The use of a "squeegee" is helpful in facilitating this drying process.

Finger Marks:

- 1) Rinse with water to remove superficial dirt.
- 2) To remove finger marks and smears, and suppress their appearance in heavy traffic areas, apply a soap or liquid detergent product or organic solvent (e.g. acetone, alcohol, mentholated spirits) to the panels.
- 3) Rinse well with water. Remove excess water ensuring that all strokes are in the same direction (following the polish lines) preferably top to bottom and overlapping and let dry. The use of a “squeegee” is helpful in facilitating this drying process.

Special Precautions on Polished Finishes:

- 1) **#8 Mirror** - because of the highly reflective nature of this finish, it is necessary to take extra precautions to minimize scratching and marring of this finish. In some cases it may be necessary to remove the contaminant and re-buff the surface to restore to the original lustre.
- 2) **#4 Satin and XL Blend S** - because these finishes have a grit line pattern always rub following the polish lines using sufficient pressure to remove adherent dirt particles and stains. For stubborn cases, abrasive cleaners may be used. Household cleaning powders such as Ajax, Comet, Dutch Cleanser*** may be applied using a damp cloth following the polishing lines.

Note: Experimentation in a low visibility area to check for surface discoloration is advised, in some cases, it may be necessary to remove the contaminant and re-polish the surface to restore to the original appearance. This re-polishing is easily done with Scotchbrite*** pads or grinders in the case of XL Blend S.

*** Proprietary cleansers listed are not an endorsement of a specific product and is only intended to serve as examples of the type of cleaning agents that are commercially available. All products should be tested prior to usage and always follow the manufacturer’s instructions and directions of use.

4900ASR Maintenance Checklist

Date of Inspection: _____		Technician: _____		
Door number _____				
Customer/Location _____				
	C H E C K	G R E A S E	O K	NOTES
1. General				
A Visual				
B Noise				
C Roll-in rubbers				
D Glass				
E General Door Finish				
2. Drive				
A Motor mounting				
B Motor unit (operation noise)				
C Main shaft upper bearings				
D Lower Bearings				
F Check Key ways and shaft for wear or slipping				
G Locking wedge operation and wear				
H Actuator operation and wear				
I Check home proximity sensor adjustment and operation				
J In-Torq Brake				
K Incremental Encoder – check operation and screws attachment to shaft				
L Direction switch				
M Corner post bumpers wear				
N Check locking wedge position proximity sensors for operation and adjustment				
O Check home target is in correct position and tight				
P Check upper and lower collapsing units for operation and wear				
Q Check brake operation and wear				
R Check BEA Focus Sensor operation and adjustment				
S Check OV 30x sensor and computer for operation and adjustment				
3. Door wings				
A Door Sweeps				
Wing Glass				
4. Interior				
A Curved side walls				
B Ceiling panels				
C Joints				
D Ceiling sensors				
√ = checked and OK X = work to be carried out				
Recommendations and remarks:				
.....				
.....				
.....				
Signed as correct by client:				
Customer name and Signature (please print) :				

Customer position _____ Date: _____				

Date of Inspection: _____		Technician: _____		
Door number _____				
Customer/Location _____				
	C H E C K	G R E A S E	O K	NOTES
5. Top Construction				
A Roof panel secured in place				
6. Safety/functions				
A Motor torque limiting				
B Activation detector works				
C Door speed RPM				
D Stop position is correct				
E Corner post sensors work				
F Anti-piggybacking functions				
G Control panel				
H Card reader impulse				
I Voice enunciator commands				
J				
7. Options				
A Fire alarm				
B Emergency power supply				
C Lights				
D Fail secure system				
E Limit switches ROM				
F Sliding locks (if installed)				
G Collapsible system				
H				
I				
J				
K				
L				
M				
N				
O				
P				
√ = checked and OK X = work to be carried out				
Recommendations and remarks:				
.....				
.....				
.....				
Signed as correct by client:				
Customer name and Signature (please print) : _____				
Customer position _____ Date: _____				



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