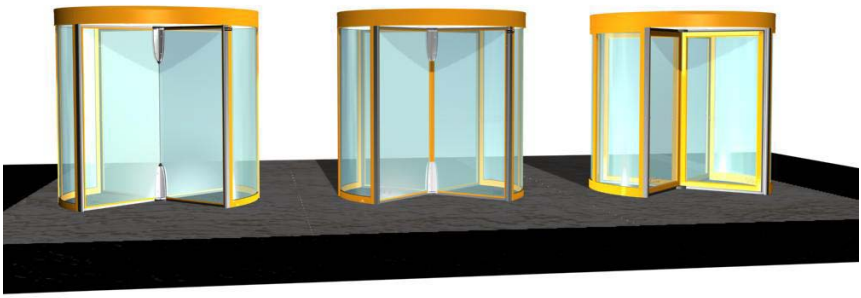
User Manual
Original instructions
Revolving Doors
ASSA ABLOY RD200-3, RD200-4 (CDC500)

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world



Original instructions

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Backtrack information: folder:Workspace Main, version:a891, Date:2025-02-14 time:10:17:27, state: Frozen

Presentation of notes and warning signs

Various symbols and texts are used in this manual for easier understanding and identification.

Note! When you see **Note!** it contains useful advice and information to ensure correct and compliant usage of the system.
 Potential hazardous situation that can lead to either minor or severe injuries or death and cause either minor or substantial property damage.
 Potential hazardous situation that could lead to danger of electric shock and cause serious injury or death.

WARNING: Important safety instructions. It is important for the safety of persons to follow these instructions. Save these instructions.

- Failure to observe the information in this manual may result in personal injury or damage to equipment.
- To reduce the risk of injury of persons - use this door set only as a pedestrian door.
- The mains power supply shall be installed with protection (fuse, circuit breaker) and an all-pole mains switch with isolating capability of Category III, shall be installed according to local regulations.
- Frequently examine the installation for imbalance where applicable and signs of wear or damage to cables, springs and mounting. Do not use if repair or adjustment is necessary.

- Do not use the equipment if repair or adjustment is necessary.
- WARNING: the drive shall be disconnected from its power source during cleaning, maintenance and when replacing parts.
- The operator can be used by children over 8 years of age if they have been instructed by a person in charge of their safety concerning use of the appliance in a safe way and understand the hazards involved.
- The operator can be used by children 8 years of age or younger if they are supervised by a person responsible for their safety.
- The operator can be used by persons with impaired physical, sensory or mental capacity if they have been instructed by a person in charge of their safety concerning use of the appliance in a safe way and understand the hazards involved.
- Cleaning and user maintenance shall not be made by children.
- Do not let children or anyone climb on or play with the door or the fixed/remote controls.
- The doorset can be operated automatically by sensors or manually by activators.
- Do not push the door leaf when the door is in operation.
- Do not dash through a closing door.
- Ensure that controls that can be set for a locked position are only activated when there are no other persons in the room.
- Danger points shall be safeguarded up to a height of 2.5 m from the floor level.

- Lifting heavy parts can cause personal injuries. Always be sufficient persons when you lift and move the heavy parts. Refer to local regulations.
- For the manual operating mode, make sure that no person is at risk of injury. During manual operation, the emergency stop is possible to use but all other safety devices are turned off.

Congratulations on your new automatic door!

ASSA ABLOY Entrance Systems AB has developed automatic doors for more than 50 years. State-of-the-art technology and carefully tested materials and components provide you with a superior product.

As with all other technical products, your automatic door requires periodic maintenance and service. It is essential that you know your automatic door (system) and that you recognize the importance of maintaining it in compliance with applicable standards for safety.

Your local ASSA ABLOY Entrance Systems-authorized representative is familiar with these standards, as well as applicable local codes and ASSA ABLOY Entrance Systems recommendations for power-operated pedestrian doors. Service and adjustments performed by your
ASSA ABLOY Entrance Systems-authorized representative, will ensure safe and proper operation of your automatic door unit.

Electronic equipment reception interference

The equipment may generate and use radio frequency energy and if not installed and used properly, it may cause interference to radio, television reception or other radio frequency type systems.

If other equipment does not fully comply with immunity requirements, interference may occur.

There is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient the receiving antenna.
- Relocate the receiver with respect to the equipment.
- Move the receiver away from the equipment.
- Plug the receiver into a different outlet so that equipment and receiver are on different branch circuits.
- Check that protective earth (PE) is connected.

If necessary, the user should consult the dealer or an experienced electronics technician for additional suggestions.

Environmental requirements

The packages shall be stored indoors, in a dry condition at all times during transportation and reloading. Packages are wrapped with plastic tarpaulin and can be stored outdoors for a shorter while during installation, at the installation site.

The packing material is mainly composed of wooden crates, wooden pallets, cardboard, plastic tarpaulin and plastic wrappings.
Make sure to properly remove and recycle (or reuse) all packing material according to local regulations.

ASSA ABLOY Entrance Systems products are equipped with electronics and may also be equipped with batteries containing materials which are hazardous to the environment. Disconnect power before removing electronics and battery and make sure it is disposed of properly according to local regulations (how and where) as was done with the packaging material.

Compliance information (declaration of conformity)

This product complies with European directives, regulations, and standard EN 16005.

The CE marking on the product indicates conformity with European directives and the regulations together with the declaration of conformity (DoC), accompanying the product.

The full DoC is available for download on our website.

Product liability

According to regulations, the following are the responsibility of the owner or caretaker of the equipment

- that the equipment operates correctly, so that it gives sufficient protection in regard to safety and health
- that the equipment is operated and regularly maintained, inspected and serviced by someone with documented competence in the equipment and in applicable regulations
- that the provided "Service Log Book" and "Site Acceptance Test and Risk Assessment" documents (PRA-0003) are kept available for maintenance and service records
- that inspection covers the emergency opening function (when applicable)
- that the closing force is appropriate for the door size on fire-approved door systems (when applicable).

Warranty

ASSA ABLOY Entrance Systems warrants its products to be free from defects in material and workmanship under intended use and service for a warranty time of 12 months, beginning at time of delivery. This warranty extends only to the original buyer of the equipment.

ASSA ABLOY Entrance Systems warrants that the software will operate substantially in accordance with its functional descriptions and that it has been recorded on non-defective media.

The ASSA ABLOY Entrance Systems warranty does not apply to

- That the software will be error-free or operate without interruption
- General wear and tear on the system
- Fuse, disposable batteries and glass damage
- System deviations caused by installer other than ASSA ABLOY Entrance Systems
- System that has been altered or damaged by vandalism or misuse
- System that has been additionally equipped with non-ASSA ABLOY Entrance Systems original branded parts and/or spare parts
- Unrequired visits due to poor client communication (door working when our technician arrives, reset, power discontinuation)
- Adjustments (closing and opening speed and also detection field radars) due to customer requests (excludes operational adjustments thought to create a hazard)
- Water damage
- Adverse weather conditions
- Any damage caused, directly or indirectly, by a circumstance beyond the control of the applicable company within ASSA ABLOY Entrance Systems, such as industrial dispute, fire, natural disaster, war, extensive military mobilization, insurrection, requisition, seizure, embargo, restrictions in the use of power and defects or delays in deliveries by sub-contractors caused by any such circumstances

Please note:

- Non-compliance with manufacturers care and maintenance recommendations may void the warranty.
- ASSA ABLOY Entrance Systems-authorized resellers shall extend this warranty to end-users only, but have no authority to extend a greater or different warranty on behalf of ASSA ABLOY Entrance Systems.
- A service agreement with ASSA ABLOY Entrance Systems will help secure the availability of a fully operational system and will give priority at call-out, thus minimizing the time that the equipment is unusable.

Service

Inspections should be done regularly by a trained and qualified person. The frequency of these inspections should be according to national regulations (or according to industry standard if there are no national regulations). This is especially important when the installation concerns a fire-approved door or a door with an emergency-opening function. To extend the life of your investment and ensure safe and reliable operation of the door, we recommend a minimum of 2 visits per year or more, depending on usage and operating conditions. Environmental aspects shall also be considered.

As your entrances are part of your business flow, there's every reason to keep them working well. ASSA ABLOY Entrance Systems offers you a maintenance and modernization expertise to rely on. Our Maintenance Programs and Modernization Services for entrance automation is backed by a extensive expertise for all types of pedestrian- and industrial door and docking systems, independent of brand. At your disposal is a team of dedicated expert technicians, proven through decades of maintenance, service and satisfied customers.

Intended use

The ASSA ABLOY RD200-3 and ASSA ABLOY RD200-4 are automatic revolving doors developed to provide draught free access to buildings.

The door is designed to offer continuous use, a high degree of safety and maximum lifetime. The system is self-adjusting to the effects caused by normal variations in the weather conditions and to minor friction changes caused by e.g. dust and dirt.

This door may be used for escape routes, provided the door leaves are equipped with break-out function, in which case the door leaves are pushed open in the escape direction.

Do not use the door when there is more than 0.5 kN/m^2 wind pressure (corresponds to a wind speed of approximately 28 m/s).

The door can be used indoors or outdoors. Outdoor use with water resistant cover.

For installation and maintenance see Installation and Service manual 1015355.

On page 4 you can find prohibited applications and reasonably forseen missuse that is not allowed with this machine.

Save these instructions for future reference.

Technical specification

Manufacturer:	ASSA ABLOY Entrance Systems AB
Address:	Lodjursgatan 10, SE-261 44 Landskrona, Sweden
Type:	RD200-3 and RD200-4
Mains power supply:	100-240V, 50/60Hz, mains fuse 10AT
Power consumption:	275 W
Temperature range:	-20 to +50°C
Degree of protection:	IP20
Degree of protection, control actuators:	IP54
Sound pressure:	$L_{pa} \leq 70 \quad dB(A)$
Approvals:	Third party approvals from established certification organizations valid for safety in use, see Declaration of Conformity.

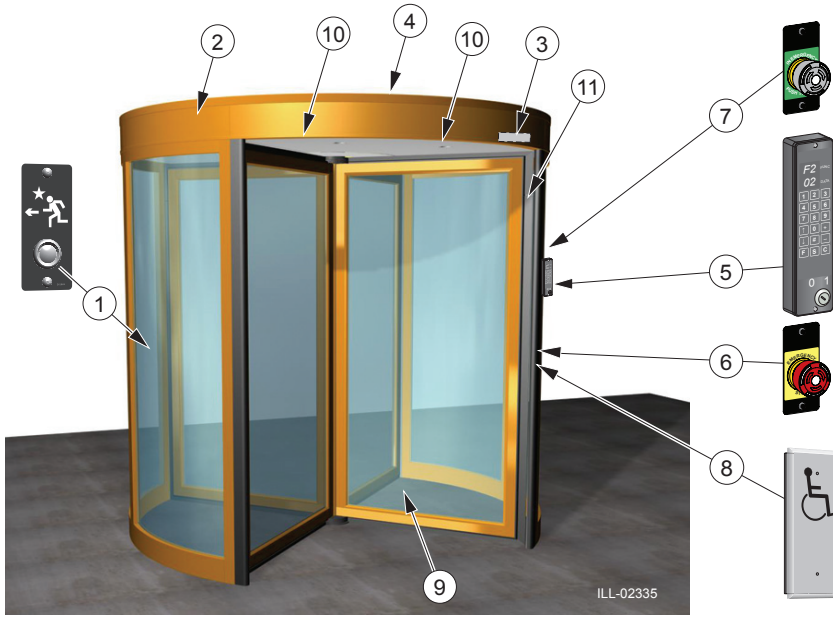
In case of fire, use a fire extinguisher of type carbon dioxide (CO_2) or ABC dry powder.

How the ASSA ABLOY RD200-3 and ASSA ABLOY RD200-4 work

The door is designed so that operation is not affected or interrupted by winds or by users pushing the doors. The unique CDC control system was developed by ASSA ABLOY Entrance Systems specifically for use with its products, and the result is a fully integrated entrance solution with no compromise in design or function. The system ensures lowest operating/maintenance cost, highest safety and best availability.

By adding the emergency break-out system, a clear, unimpeded evacuation path through the revolving door can be achieved. The emergency break-out system can be integrated with a fire alarm. This release also ensures that the door leaves collapse only when required and not under wind pressure. The break-out system can also be very useful under less dramatic circumstances, for example when bringing long objects through the entrance.

Main parts



No.	Description
1	Push button inside, the door will rotate 360°(option)
2	Main control unit CDC500 (behind fascia sheets)
3	Vertical presence photocell sensor PDR (option)
4	Dust protection roof (max. load 0 kg) Do not walk or store any material on the roof!
5	Program Control Device (PCD) with ON/OFF key switch (standard place)
6	Emergency stop button (inside)
7	EMERGENCY OPENING button (option)
8	Activation by people with disabilities: Recommended, if applicable (option)
9	Door leaves with break-out function (option)
10	Activation units
11	Pressure sensitive safety edge

Settings and operation PCD

The PCD (Program Control Device) is used to select what operating mode is active when the ON/OFF switch is in the ON position. It is also used to check and set door configuration.

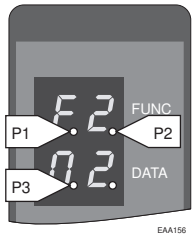
General information PCD

Key	Function
0-9	Numeric inputs
#	Confirm access code input
↑	Setpoint selection upwards
↓	Setpoint selection downwards
+	Setpoint value change upwards
-	Setpoint value change downwards
F	Function selection
S	Setpoint confirmation and storage
C	Error clear (20, 30) Clear display Leave menu
 ILL-01914	ON/OFF switch 1 = ON 0 = OFF

ILL-01890

Information prompts on PCD display

Prompt	Description
P1	ON/OFF switch in OFF position.
P2	Service request. Call ASSA ABLOY Entrance Systems for service.
P3	Scheduling ON, see "Scheduling" on page 17.



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The door configuration must be set by ASSA ABLOY Entrance Systems Service technicians.

Access code

To be able to operate the PCD it is required to login with an access code.

Login on the PCD

1 Press #.
2 Enter the access code 1234. The display shows ==.
3 Press # to confirm the input.
If the access code is correct the display shows
LI (Login)
0 1 (Level 01)

In case of four consecutive failed login attempts, five minutes must pass before a new attempt can be made.

Logout from the PCD

1 Press #.
2 Enter the access code. The display shows ==.
3 Press # to confirm the input.
If the access code is correct the display shows
LO (Logout)
0 1 (Level 01)
4 Automatic logout ten minutes after the last key press.
5 Automatic logout can be inhibited by typing ***F561*** on the PCD.

Change access code

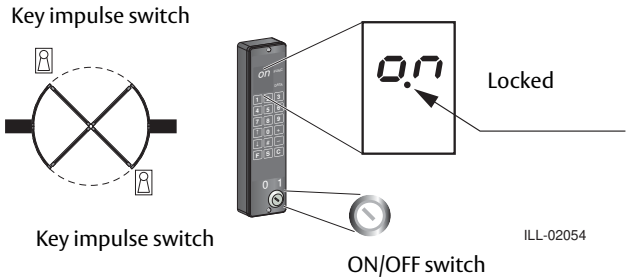
At delivery the access code is 1234. To change, follow the procedure below.

1 Type ***#1234*** #. If the access code is correct the display shows
LI (Login)
0 1 (Level 01)
2 Type ***F41***. The display shows
F 4
L 1
3 Enter new code (4 digits).
4 Press ***S*** to confirm.
5 Enter the new access code a second time.
6 Press ***S*** to confirm.

The ON/OFF switch

The ON/OFF switch can be used in any of the operating modes 01-06. In the ON (1) position, the door operates according to selected operating mode.

Setting the switch to OFF (0) is indicated by prompt P1 on the display and is equivalent to selecting the operating mode Locked (OFF) 01 (see page 15).



Key impulse switch (option)

If the door is locked with the ON/OFF switch it can be opened with a key switch (ask your local ASSA ABLOY Entrance Systems Service). When the key switch is activated, the door unlocks, runs 360° and locks again.

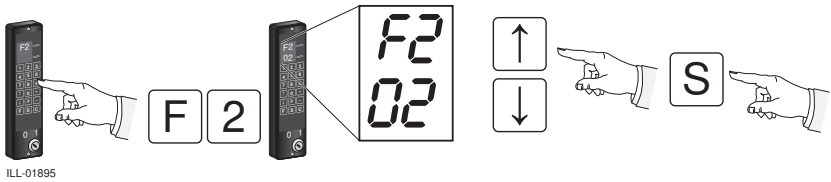
Changing operating mode

1 Login on the PCD.

2 Type ***F2***. (The display shows F2 plus current operating mode.)

3 Use the up or down arrow to change the operating mode 01-07.

4 Confirm the change and exit the operating mode selection function by pressing *S*.



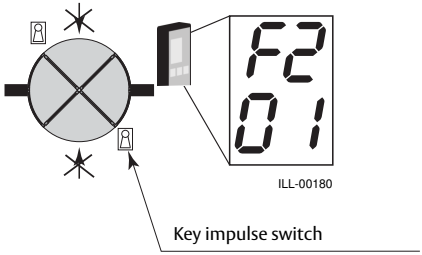
5 Logout from the PCD

The different operating modes

Locked (Off) 01

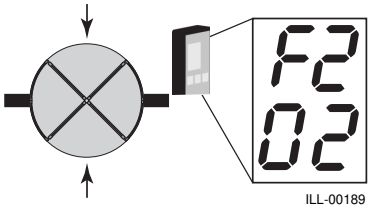
The door rotates to its home position. If an electromechanical lock is fitted, the lock is activated. The door can be opened with the key impulse switch, see Key impulse switch (option) on page 14.

Note! If the door is placed in an escape route, selecting operating mode Locked or setting the ON/OFF switch in the OFF (0) position, disables by default the escape function.
The door may however be configured to make escape possible, also when the door is locked. See How to check break-out configuration on page19.



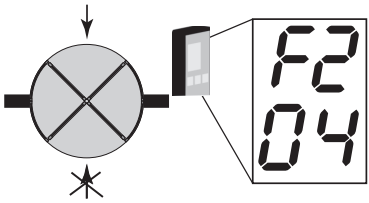
Automatic operation 02

The door is parked in standby position when there is no traffic. As soon as the outside or inside activation units detect approaching traffic, the door starts rotating.



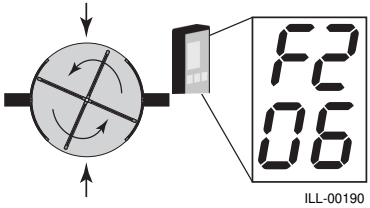
Automatic operation, start from open position exit only 04

The door is parked in open position when there is no traffic. As soon as the inside activation units detect approaching traffic, the door starts rotating.



Continuous rotation 06

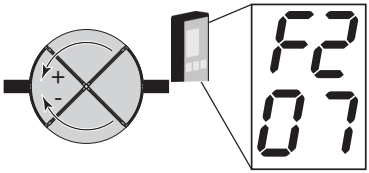
The door rotates at a low speed. As soon as the outside or inside activation units detect approaching traffic, the door accelerates to normal speed. The door returns to low speed when there is no traffic.



Manual operation “Cleaning position” 07

For the manual operating mode, make sure that no person is at risk of injury. During manual operation, the emergency stop is possible to use but all other safety devices are turned off.

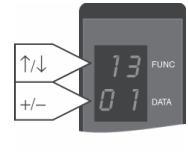
The door rotates forward as long as the key + is held down and backwards as long as the key - is held down.



PCD displaying operating mode

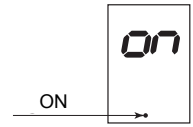
On the top row the PCD can show if the current operating mode is set by the user (on), external operating mode selection (oE) or schedule (oS). On the bottom row the current operating mode is displayed.

It can also show if the door is locked or unlocked during fire alarm.

Display	Description	Activation
on 2	Top row showing that operating mode is set by user. Bottom row showing that operating mode 2 is active.	By default the PCD does not display operating mode. Type ***F53***. The display shows an option number and its setting, eg: 13 01. Use ↑ or ↓ to select option ***13***. Press + or - to select setting 00 or 01 (00 = Disabled, 01 = Enabled). Press ***S*** to confirm the new setting. 
on	Operating mode set by user.	
oE	Operating mode set by external source.	
oS	Operating mode set by scheduling.	
Lo cd	Locked (**locked** during fire alarm).	Locd (locked during fire alarm or power failure) is the default setting. A service representative can change the setting. Contact your ASSA ABLOY Entrance Systems service representative. For contact information, see last page.
Lo bo	Locked (**unlocked** and the breakout device, if installed, will release the door leaves during fire alarm).	

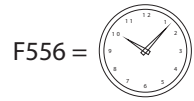
Scheduling

Programming of scheduled operation must be done by ASSA ABLOY Entrance Systems service technicians. Fill in form on next page.
The CDC-system has three different day schedules. Each day schedule may contain up to 10 different operating modes. The week schedule informs the system of which day schedule to run and in what order during a week. It is possible to make up to 16 exceptions from this week schedule for e.g. public holidays etc.



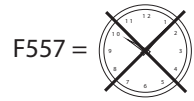
Activation

Type ***F556*** (Scheduling ON).
Prompt P3 lights up.
The door operates according to schedule.



Deactivation

Type ***F557*** (Scheduling OFF).
Prompt P3 extinguishes.
The door operates according to manually set operating mode.



ON/OFF switch

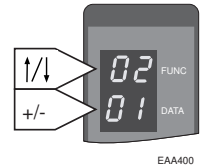
The OFF (0) position scheduling. The door will be locked. When set to the ON (1) position, the door resumes operation according to schedule.

Manual setting of operating mode

If scheduling is active and the operating mode is manually changed, scheduled operation is automatically deactivated. To resume scheduled operation type ***F556***.

Summertime/Wintertime

To change from summertime to wintertime, type ***F53*** and select option number 02 with arrow ↓/↑ keys. Press + or - to select setting 00 or 01, (summertime off (wintertime) is value 00 and summertime on is value 01) and press S (select). To check the time change, see Real time clock.



Day schedule

Day schedule 1	Day schedule 2	Day schedule 3
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10

Week schedule

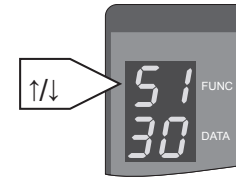
Week day	Schedule
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

Exceptions

Start exception	End exception	Exception schedule
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16

Read speed settings

Type ***F3***. The display shows S1.
Use ↑ or ↓ to select setpoint number to read.
Press ***C*** to leave the menu.



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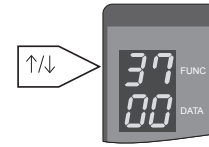
Setpoint	Description	Setpoint value
S1	High speed setpoint	1.0-6.0 rpm
S2	Low (handicap) speed setpoint	0.2-2.5 rpm
S3	Creep speed setpoint	0.2-1.0 rpm
S4	Continuous speed setpoint	1.0-2.5 rpm
S5	Manual speed setpoint	0.2-2.0 rpm
S9	Door force parameter	02-99

How to check break-out configuration

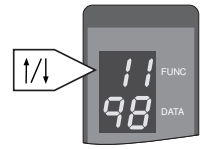
Type ***F53*** and step to number 37 with ↑ or ↓.
Read the value at the bottom of the display.
00 = Escape function is disabled when the door is locked. (default)
01 = Escape function is enabled when the door is locked.



Real time clock

The CDC system has a real time clock built in. The clock is used for event log recording and when the door is running according to a schedule.

Read real time clock
Type ***F71***. The display shows 11 and the parameter value corresponding to year.
Use ↑ or ↓ to select parameter number and display the parameter value.
Press ***C*** to leave the menu.
Summer and wintertime, see Summertime/Wintertime on page 17.



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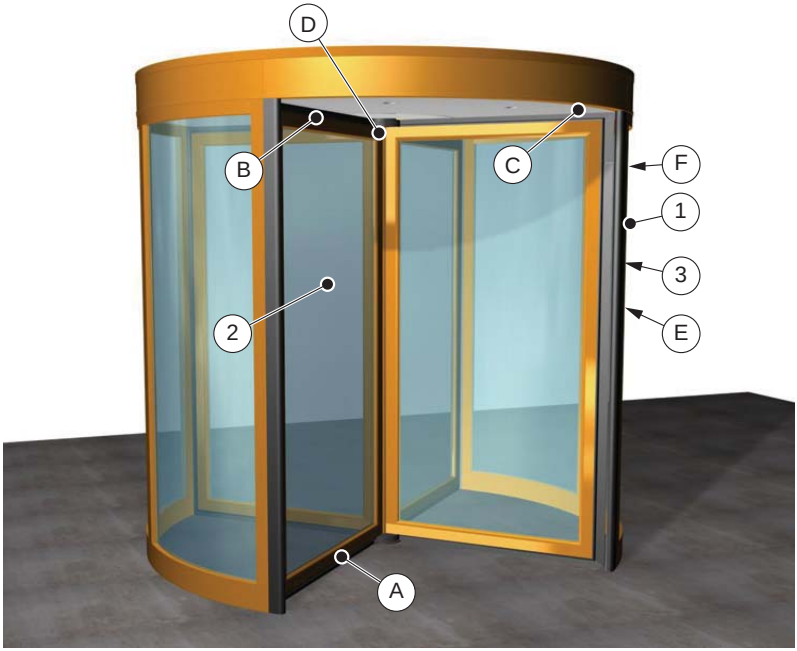
11	Year
12	Month
13	Day
14	Hour
15	Minute
16	Second

Safety

The safety systems are monitored to ensure the high safety level of the door.
The condition of the safety equipment is periodically tested. This monitoring is made during normal running conditions and it does not affect the normal day-to-day operations of the door.

Safety devices on the door



Standard

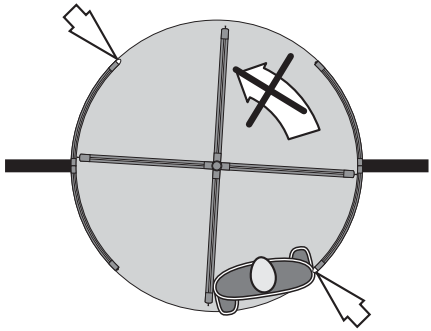
No	Description
1	Pressure sensitive safety edges placed on the drum edges, see page 21.
2	Force sensitive door leaves, see page 21.
3	Emergency stop push button, see page 21.

Options

No	Description
A	Pressure sensitive safety edges placed on the door leaves, see page 29.
B	Infrared presence sensing system, see page 29.
C	Vertical presence photocell sensor PDR, see page 30.
D	Break-out kit, see page 28.
E	Push button for people with disabilities, see page 30.
F	Emergency opening push button, see page 28.

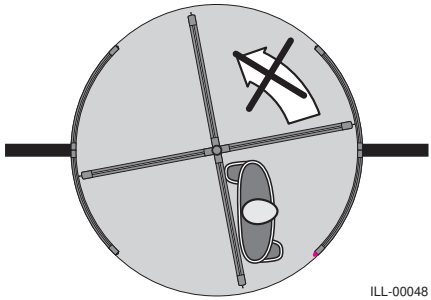
Pressure sensitive safety edges

- Pressure sensitive safety edges on the drum edges. These stop the rotation if compressed. When the obstacle is removed, the rotation continues.



Force sensitive door leaves

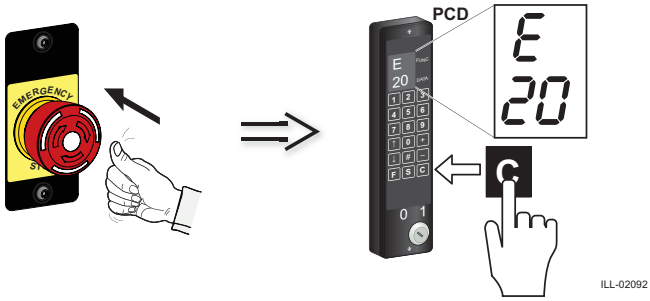
- If the system detects an obstacle blocking the door, the motor is de-energized.
- The door makes three attempts to start with two seconds pause between each attempt and then waits another 30 seconds before a final attempt is made.
- If the obstacle is cleared and the door pushed forward during the waiting period, operation is resumed. In case the blocking persists, E30 is shown on the PCD and the door remains stationary. To resume operation after the obstacle has been removed, the error can be cleared by pushing the door forward or pressing **C** on the PCD.



ILL-00048

Emergency stop button

- The door rotation can be stopped by pressing the emergency stop button.
- To reset the door to normal operation - release the emergency stop button by rotating it in the direction of the arrows and press **C** on the PCD.



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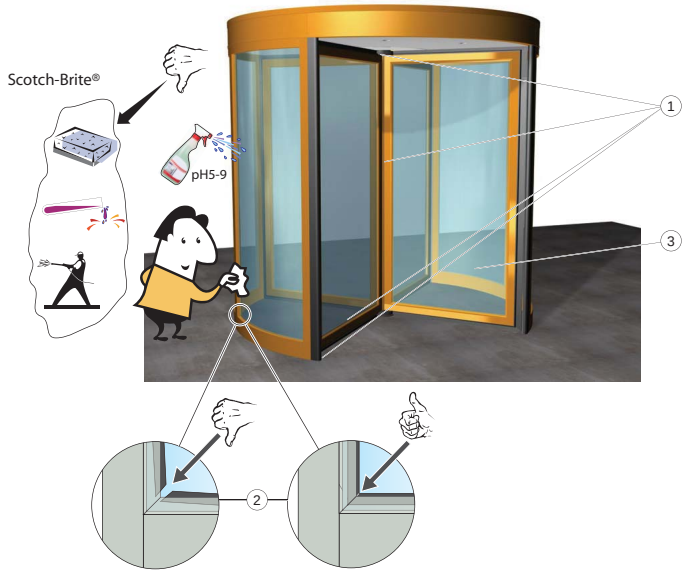
Regular safety checks

To help you fulfil the national/international requirements and to avoid malfunction and risk for injuries, we have provided the following checklist.

Do not use the equipment if repair or adjustment is necessary.

Disconnect supply when cleaning or other maintenance is to be carried out.

FUNCTION AND VISUAL INSPECTION

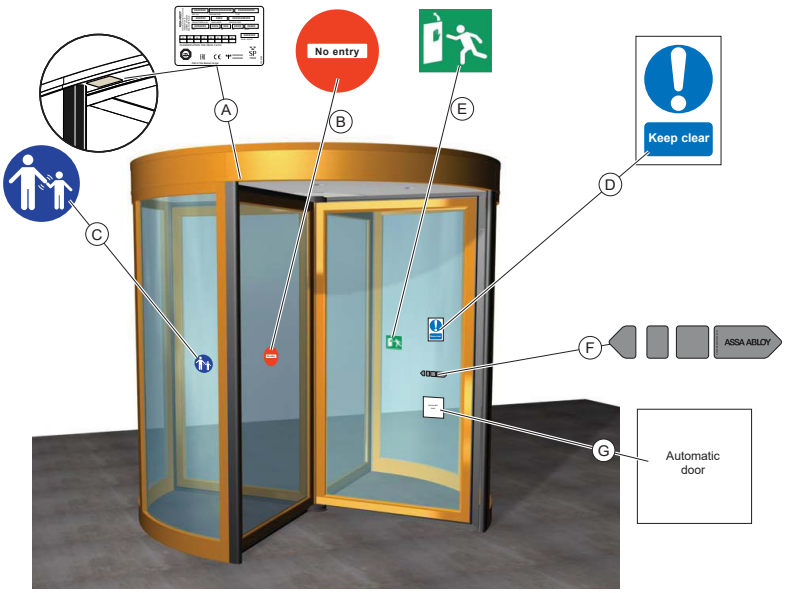


Daily Action	If problem occurs
Inspect your door and check *visually* for • condition of door seals and weather stripping ① • condition of glazing rubbers ②③	
Check the safety sensors if any. If you are unsure of which type of sensor you have, please contact your ASSA ABLOY Entrance Systems representative.	
If equipped with break-out, test that all door leaves can be released and are not mechanically jammed. Press Emergency opening button and fold the door leaves.	
Note! If the door is placed in an escape route, tests must be performed regularly by trained personnel or fire department, according to local laws.	

= Contact your ASSA ABLOY Entrance Systems service representative. For contact information, see last page.

CLEANING
The best way to remove dust and dirt from the ASSA ABLOY RD200-3 and ASSA ABLOY RD200-4 and to maintain the quality of the enamel layer, the surfaces should be cleaned three times/year (once/four months period) with gentle (pH 5-9), non-polishing detergent and water. Use a soft non-abrasive sponge. The cleaning should be documented. To avoid damages to the profiles the brushes must be vacuum-cleaned weekly. • Do not expose windows, doors or profiles to alkalis. Both aluminium and glass are sensitive to alkalis. • Do not clean with high-pressure water. Operator, programme selector and sensor may be damaged and water may enter the profiles. • Do not use detergents or abrasive additives. • Do not scrub with materials like Scotch-brite, as this will cause mechanical damage.

SIGNAGE



Action		If problem occurs
Check that all required signage is applied and intact. Mandatory indicates that the signage is required by European directives and equivalent national legislation outside the European Union.		
Ⓐ	Product label: Mandatory	
Ⓑ	No entry, identifying one-way traffic: Mandatory in GB and US, if applicable, not included in the product.	
Ⓒ	Supervision of child (applied to both sides of the door): Mandatory according to national regulations. Recommended, if the risk analysis shows use by children.	
Ⓓ	Keep clear: Mandatory in GB, if applicable, not included in the product.	
Ⓔ	Emergency break-out: Mandatory, if approved for escape route.	
Ⓕ	ASSA ABLOY Entrance Systems door sticker: Mandatory, if applicable to highlight the presence of the glass (applied to all glass sections that are moving).	
Ⓖ	Automatic door: Mandatory in GB, if applicable, not included in the product.	

= Contact your ASSA ABLOY Entrance Systems service representative. For contact information, see last page.

Troubleshooting

What's wrong?	Remedies
The motor does not start	Make sure that the PCD display shows “ON”, and that mains power to the door is on.
	Check the operating mode, see *The ON/OFF switch on page 14*.
	Check the mains switch and fuse in the building.
	Check that there are no objects in the safety detection zone.
	See *Reset after the break-out function has been used: on page 28* for start up procedure. See *Emergency stop button on page 21* for start up procedure.
The motor starts but door will not rotate	Check that nothing is jammed beneath the door.
	Unlock the mechanical locks.
The door does not close	Change the setting of the PCD, *see Settings and operation PCD on page 12*.
	Check that there are no objects in the safety detection zone.
	Check that nothing is jammed beneath the door.
If the problem continues, please contact your ASSA ABLOY Entrance Systems representative.	

Supervision system

The ASSA ABLOY RD200-3 and ASSA ABLOY RD200-4 have a built-in supervision system.
If an error occurs, the PCD display will show an error or status code. During normal operation the display will show “ON”.
To reset the door to normal operation after an error code, press ***C*** on the PCD. See code list below.

Code List

Code	Status	Cause	Remedy
on	The revolving door is functioning normally		
10	Stop	Safety edge activated	Check for obstacles between the wing and the floor and between the wing and the inside of the drum. Check safety edges.
11	Electromechanical lock error	No signal from the electromechanical lock	Make one more unlock/lock operation. If that does not help call ASSA ABLOY Entrance Systems Service.
20	Emergency stop	Emergency stop button pressed down	Release the button by turning it in the direction of the arrows, then restore function by pressing ***C*** on the PCD.
21	Response from the PDR sensor fitted above the opening on the inside	Inner PDR sensor activated	Remove obstacle in the inner detection zone
22	Response from the PDR sensor fitted above the opening on the outside	Outer PDR sensor activated	Remove obstacle in the outer detection zone.
25	Response from the touchless door leaf sensors (the door rotates slowly)	The detection zone of the touchless door leaf sensors activated	Remove obstacle in the detection zone.
26	Response from the touchless door leaf sensors (the door stops)	The detection zone of the touchless door leaf sensors activated	Remove obstacle in the detection zone.
30	Blocked door	The wing is blocked by an obstacle	Check for obstacles between the wing and the floor and between the wing and the inside of the drum. After checking, press ***C*** on the PCD.
31	Fire alarm	The fire alarm system has, if connected, been activated	Steady 31 - fire alarm is active. Blinking 31 - fire alarm has been active, but not cleared. Press ***C*** on the PCD to clear the status.
32	Power fail input	Mains power lost	Check mains fuse. Check external power supply.
37	Emergency Open	Emergency open push button pressed down.	Release the button by turning it in the direction of the arrows, then restore function by pressing ***C*** on the PCD.
C2	Break-out failure	No current to break-out magnet	Call for service.
C3	Break-out	Break-out released	Close the door leaves. Reset function by pressing ***C*** on the PCD.
dA	Daily test executing	Daily test is being executed	Wait for the daily test to finish.

= For all other status codes, contact your ASSA ABLOY Entrance Systems service representative. For contact information, see last page.

Service/Maintenance

Service and adjustments performed by your ASSA ABLOY Entrance Systems-authorized representative will ensure safe and proper operation of your automatic door unit.

Remember to keep “Service Log Book” and “Site Acceptance Test and Risk Assessment” documents (PRA-0003) available. These are used together.

It is important to record any maintenance operation.

The table below shows the recommended interval in revolutions, when to replace parts during preventive maintenance. Talk to your ASSA ABLOY Entrance Systems representative to learn more about our service offering.

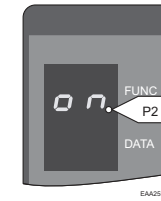
Recommended minimum maintenance interval of once a year. See EN 16005.

Part	Revolutions	Action
Motor	300.000/1.500.000	Check/Replace
Safety devices	300.000 or minimum once a year	Check and test of function
Impulse devices	300.000	Check
Gear box	3.000.000	Check
Drive belt	300.000/600.000	Check/Replace
Motor carbon brushes	300.000/600.000	Check/Replace
Break-out function	minimum once a year	Check
Emergency stop button	minimum once a year	Check and test of function
Fire alarm, functional test	minimum once a year	Check
PCD, display	minimum once a year	Check

Check all parts to be replaced if necessary.

Service request

After 300.000 revolutions the prompt P2 indicates that it is time for service. Recommended minimum maintenance interval of once a year. See EN 16005.

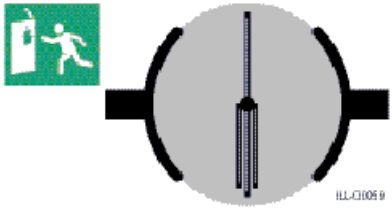


Options

Even though the ASSA ABLOY RD200-3 and ASSA ABLOY RD200-4 are installed to comply with all applicable safety regulations, it is possible to enhance safety/comfort with the following add-ons (please contact your local ASSA ABLOY Entrance Systems company for detailed description).

Break-out function

This function enables the door leaves to be broken outwards in case of emergency.



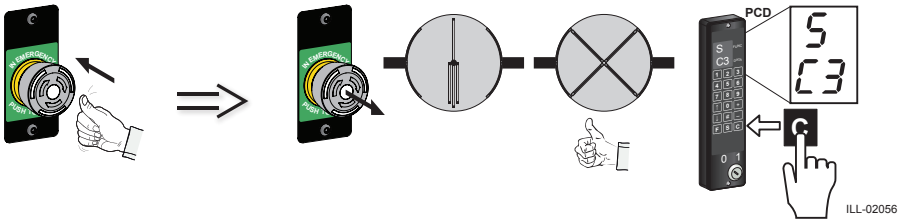
The break-out function can be connected to the fire alarm system. The function can also be activated with an emergency opening button.

Note! If the door is equipped with the break-out solution, this must be tested minimum once a year. Local regulations needs to be followed.

Reset after the break-out function has been used:

If the escape doors have been opened, the display shows **S37 or C3.**
To make it possible to close the escape doors, do the following:

1 Release the emergency opening button by turning it in the direction of the arrows.
2 Close the door leaves correctly and press **C** on the PCD.

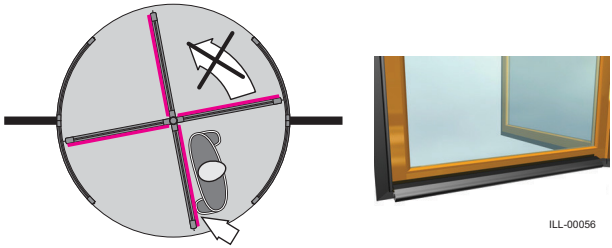


Emergency opening button

Activates the break-out system.

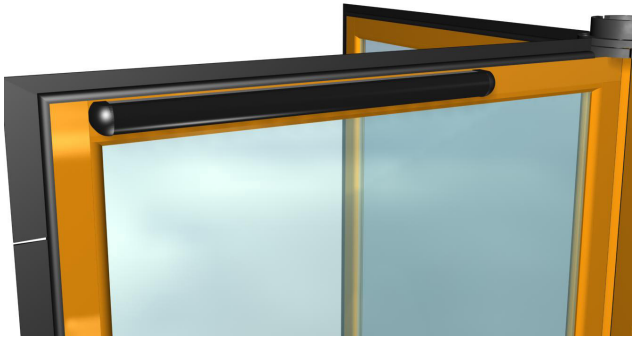
Pressure sensitive safety edges placed on the door leaves

If one of the safety edges, mounted on the door leaves, is compressed, the door stops. When the obstacle is removed, the rotation starts.



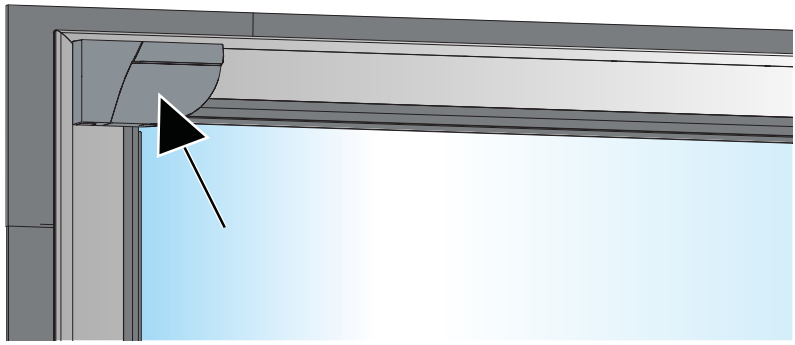
Infrared presence sensing system

Installed on the top of the door leaves-provides safety over the whole height of the door. If the sensor detects an obstacle the door stops or reduces speed to 0.5 rpm (configurable). When the obstacle is removed, the rotation starts.



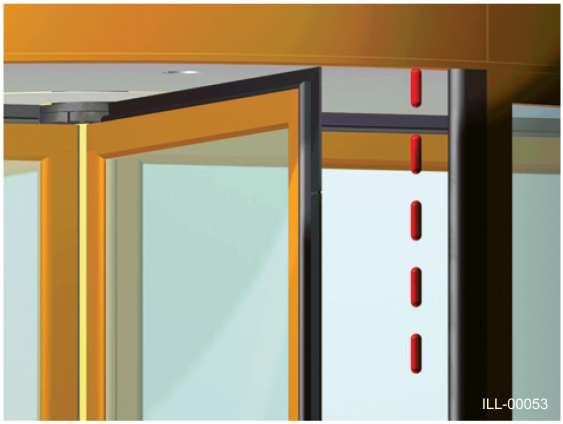
Laser presence sensing system

Installed on the top of the door leaves-provides safety over the whole height of the door. If the sensor detects an obstacle the door stops or reduces speed to 0.5 rpm (configurable). When the obstacle is removed, the rotation starts.



Vertical presence photocell sensor PDR

Vertical presence photocell sensor PDR located above the entrance on inner and outer sides. If the beam is broken in the safety zone (approx. 25° from the drum edge) the door stops. When the obstacle is removed the rotation starts.



Push button for people with disabilities

Push button to reduce speed of the door.

ILL-00050

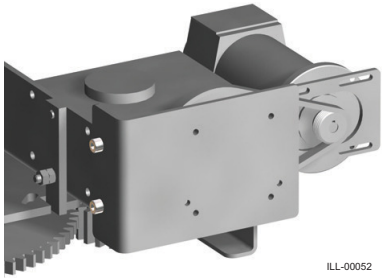
Push button inside door

In case somebody is trapped in a compartment, the door can be opened by pushing this button, placed inside on the mid post.

Accessories

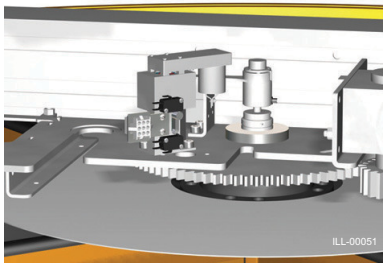
Rotation brake (lock)

Automatic activation (configurable) of the rotation brake in the standby position, prevents door rotation (e.g. from being manually pushed or by strong wind) when there is no signal from the activation units. The brake can also be activated with a key switch or push button for immediate stop of the door.



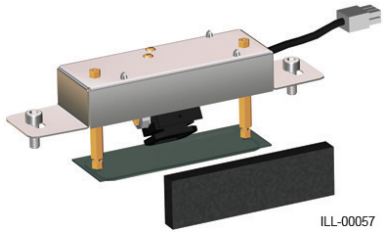
Electromechanical lock

The electromechanical lock, locks the door in home position.



Direction sensing radar DSR

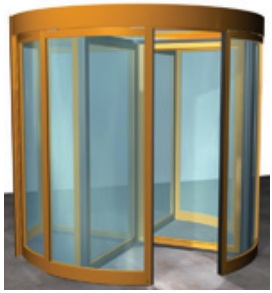
The radar DSR is direction sensing i.e. it triggers an opening impulse for approaching objects only, but not for objects leaving the door.



Night closing door NCD

Two versions are available:

- manually operated
- automatically operated



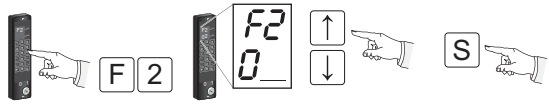
Reception panel

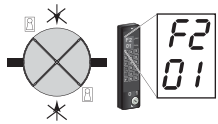
The reception panel contains a Program Control Device (PCD), a key impulse and an emergency stop button. The key impulse makes the door rotate 360°. The maximum cable length from the door to the reception panel is 100 m.

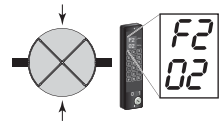
A reception panel installed within clear view of the door may be configured as primary. This primary reception panel can then be used to control the operating mode.

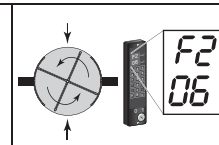
A reception panel installed without clear view of the door may only be configured as secondary. This secondary reception panel is read-only, and can then only be used to view the operating mode and status codes.

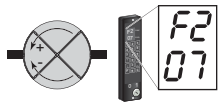
Quick guide changing operating mode

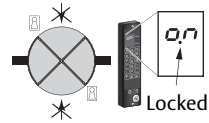


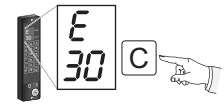


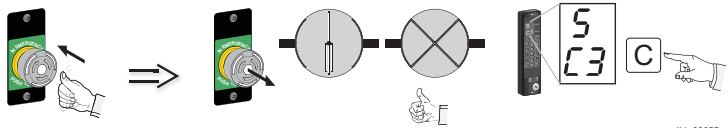












ASSA ABLOY Entrance Systems is a leading supplier of entrance automation solutions for efficient flow of goods and people. Building on the long-term success of the Besam, Crawford, Albany and Megadoor brands, we offer our solutions under the ASSA ABLOY brand. Our products and services are dedicated to satisfying end-user needs for safe, secure, convenient and sustainable operations.
ASSA ABLOY Entrance Systems is a division within ASSA ABLOY.

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