

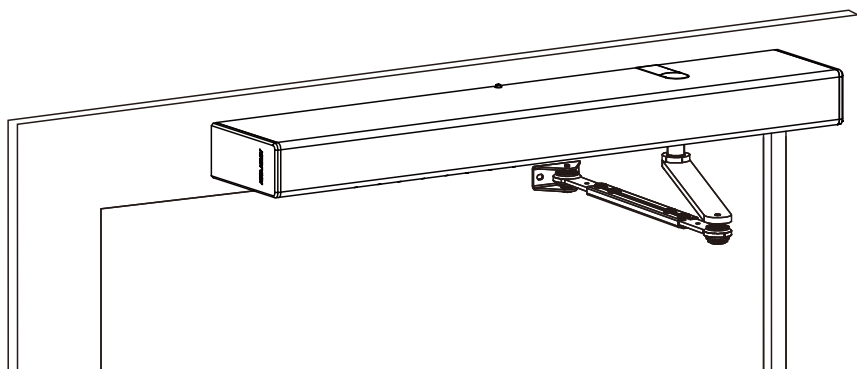
User manual

Swing doors

ASSA ABLOY SW300-S

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world



Original instructions

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List of abbreviations

DoC

Declaration of Conformity

ECO

Ecology

HOT

Hold Open Time

PAG

Push and Go

PE

Protective earth

1 Safety

1.1 Presentation of warning signs



DANGER

Warning against an imminent or latent hazardous situation that can lead to electric shock and cause serious injury or death.



DANGER

Warning against an imminent hazardous situation that can lead to severe injury or death.



WARNING

Warning against a latent hazardous situation that can lead to severe injuries or death and cause substantial property damage.



CAUTION

Warning against a potential hazardous situation that can lead to minor personal injury and property damage.



NOTICE

Useful advice and information to make sure of a correct and efficient workflow of the system.

1.2 General hazards

The system can cause the hazards in this section even when it is used as intended.

To reduce the risk of malfunction, damage to property or injury to persons and to avoid dangerous situations, the safety instructions listed here must be observed. Save this manual for future reference.

The specific safety instructions in the other sections of this manual must also be observed.



DANGER

Electric current.

In case of contact with live parts, there is an immediate danger to life because of electric shock. Damage to or removal of the insulation or individual components can be life-threatening.

- Make sure that only approved personnel work on the electrical system.
 - Make sure that all poles are voltage free and that this is maintained for the duration of the work.
 - Disconnect all poles from voltage before you start the work (cleaning, maintenance, replacement) on active parts of the electrical systems and the equipment.
 - Keep moisture away from live parts. This can lead to a short circuit.
 - Do not bridge fuses or put them out of operation.
 - Do not connect the power supply or a battery until all work has been completed.
 - Do not use a damaged supply cord. Only the manufacturer, its service agent or a similarly qualified person is permitted to replace a damaged supply cord.
-



DANGER

Faulty connection of the mains power supply.

Risk of electric shock and property damage if the mains power supply to the system is not installed with a safe method.

- The mains power supply must be installed with protection (fuse, circuit breaker).
 - An all-pole mains disconnection switch with isolating capabilities of Category III must be installed.
 - All installation must be done correctly, refer to local regulations.
-



DANGER

Fire in an electronic system.

Risk of electric shock if you use a water-based fire extinguisher for a fire in an electrical system.

- Use a fire extinguisher of type carbon dioxide (CO₂) or ABC dry powder.
-



DANGER

Faulty safety devices of the fire protection system.

Danger to life if the safety devices of the fire protection system do not work. This can cause severe injuries or death.

- Do not disconnect the fire protection system from the power supply overnight.
 - Do not disassemble, put out of operation, or manipulate the safety devices.
 - Do not remove safety instructions from the system.
 - Do not block, hold open, or otherwise prevent the fire doors from closing.
 - Inspect and do a service and maintenance of the fire protection system.
 - Always follow the local applicable regulations or the regulations in a maintenance contract.
 - Examine and maintain the condition of the fire protection system.
-



DANGER

Faulty safety devices.

Risk of personal injuries that can lead to death or material damages if the safety devices are faulty, manipulated, or put out of operation.

- Make sure that all safety devices (breakouts, sensors, lock release, and so on) operate correctly.
 - Do not disassemble, put out of operation, or manipulate the safety devices.
 - Examine and perform service and maintenance of the safety devices.
 - Always follow the local applicable regulations or the regulations in a maintenance contract.
-



DANGER

Moving system.

If the system moves, careless behaviour can lead to severe personal injuries to limbs or severance of limbs.

- Do not reach in when parts of the system move.
 - Keep a distance when parts of the system move.
 - Do not bump into or touch the system when it moves.
 - Do not open or remove protective covers during operation.
 - Do not permanently remove covers from the system.
 - Only carry out inspection, service, maintenance, or cleaning when the system is stationary and the power is OFF.
 - Danger points must be safeguarded up to a height of 2500 mm from the floor level.
-



WARNING

Maintenance and checks during operation.

Risk of personal injuries if the system is in operation during service and maintenance.

- Make sure that the power is OFF and that the system is stationary before you do checks, repairs, service, maintenance, and cleaning.
 - Before you start the work, make sure that there are no persons in the system or in the close area of the system..
-



WARNING

Incorrect use and/or installation.

Incorrect use and/or installation can lead to severe injuries and/or cause substantial material damage.

- Read and obey all instructions regarding safe use and/or assembly.
 - Make sure that all connection points between the door system and the building are sufficiently strong, even and level.
 - Only use ASSA ABLOY approved components. Other components may have a negative effect on the safety of the system.
-



WARNING

Heavy parts.

Lifting the heavy parts can cause personal injuries.

- Always be at least two persons when you lift and handle the heavy parts. Refer to local regulations.
 - Use the tools provided for lifting.
-



WARNING

Unapproved persons without supervision using the system.

Risk of personal injuries, malfunction, or material damage to the property if unapproved persons use the system.

- Infants and children under 8 years of age are not allowed to be within the opening area of the system without supervision of an adult.
 - Children must not play, climb on, clean, or maintain the system or the fixed/remote controls.
 - Children must not play with the system, the fixed controls, or the remote controls.
 - Keep children away from the fixed controls and the remote controls.
 - Persons with limited physical, sensory, or mental abilities can only use the system under supervision.
 - Unapproved persons must have received and understood the instructions on how to use the system.
-



WARNING

Locked in persons in the building.

Risk of personal injuries and material damage.

- Before the system is set to locked, make sure that the locked area is empty and that no persons are locked in.
-



WARNING

The system can open, close, or turn unexpectedly.

Risk of material damage or personal injuries because of unforeseen opening, closing, or turning of the system.

- No persons can be present in the opening area of the system.
 - Ensure that moving objects such as flags or parts of plants do not enter the detection range of the sensors.
 - Do not make any settings on the control unit when the system is in use.
 - Make sure that approved personnel immediately correct the errors.
 - Remove objects from the opening area.
 - Do not disassemble, put out of operation, or manipulate the safety devices.
 - Do not dash through a closing system.
-



CAUTION

Incorrect settings.

Incorrect settings can lead to malfunctions, material damage, or personal injuries.

- Do not disconnect the system from the power supply overnight.
 - Make sure that only approved personnel adjust the settings.
 - Do not disassemble, put out of operation, or manipulate the safety devices.
 - Make sure that only approved personnel correct errors.
 - Follow locally applicable regulations, or make sure to have a maintenance contract for service and maintenance.
-



CAUTION

Insufficient cleaning or care.

Insufficient or inattentive cleaning or care of the system can lead to malfunctions, material damage or personal injuries.

- Examine the sensors regularly for dirt and clean them if necessary.
 - Regularly remove dirt accumulations from the product and its close surroundings, for example the floor, in the floor rail, or under the floor mat.
 - Keep the system free from moisture like water, snow and ice.
 - Do not use aggressive or caustic cleaning agents.
 - Use road salt or loose chippings only conditionally.
 - Put the floor mat without folds and flush with the floor.
 - Do not lean or attach equipment required for cleaning purposes, such as ladders or similar, to the system.
-



CAUTION

Imbalance and damaged parts.

Imbalance, wear, or damage to cables, springs, and fastening parts can cause material damages.

- Inspect the installation during the function- and safety check for imbalance and damaged parts.
 - Do not use the equipment if repair or adjustment work needs to be carried out.
-



CAUTION

Product damage.

If the product packages are not properly stored the product this can lead to personal injuries, material damage or malfunction.

- Always store the packages indoors, in a dry condition at all times during transportation and reloading.
 - The package has plastic tarpaulin around it and can be stored outdoors for a shorter while during installation, at the installation site.
-



NOTICE

Observe and comply with the country-specific regulations.



NOTICE

To prevent not wanted activations of the system, keep the area around the system clear. Moving objects such as flags or parts of plants must not be allowed to enter the detection range of the sensors.

1.3 Product specific hazards



WARNING

Sensors can automatically operate the system and activators can manually operate the system. The system can also be used manually as a door closer.

Risk of personal injuries because of unforeseen opening, closing, or turning of the system.

- No persons can be present in the opening area of the system.
- Ensure that moving objects such as flags or parts of plants do not enter the detection range of the sensors.
- Do not make any settings on the control unit when the system is in use.
- Remove objects from the opening area.
- Do not disassemble, put out of operation, or manipulate the safety devices.
- Do not dash through a closing system.



WARNING

Wrong type of doorset.

The wrong type of doorset used in combination with this system can lead to severe injuries or property damage.

- Only use single or double pedestrian swinging or folding doorsets with this system.



NOTICE

This system can contain batteries of the type NiMH.

Only let approved persons change the batteries in the system.

- Disconnect the system from the mains supply before the battery is removed.
- Remove the battery from the system before the system is recycled.
- Dispose of the batteries safely, refer to local regulations.
- If the battery is leaking, wear proper gloves when the battery is touched. Put the battery in a plastic bag, and dispose of the battery safely, refer to local regulations.
- Do not let the battery terminals touch any metal objects, other than when properly installed in the system.
- The system or the battery can not be in excessive temperatures.
- Only use ASSA ABLOY approved batteries. Other batteries can have a negative effect on the safety of the system.

1.4 Electronic equipment reception interference

The equipment can generate and use radio frequency energy. If the equipment is not installed and used properly it can cause interference to radio, television reception or other radio frequency 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 the equipment causes interference to radio or television reception, try to correct the interference:

1. Turn the equipment ON and OFF to determine interference.
2. Reorient the receiving antenna.
3. Move the receiver with respect to the equipment.
4. Move the receiver away from the equipment.
5. Connect the receiver into a different outlet so that equipment and receiver are on different branch circuits.
6. Make sure that protective earth (PE) is connected.

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

1.5 State of technology



NOTICE

Installation, commissioning, inspection, and maintenance must only be done by approved technicians. We recommend you to have a service agreement.

Record the work in the check list and give it to the customer for safe keeping.

This system was developed using state of the art technology and officially recognized technical safety regulations. The system, depending on its options and variants, comply with the requirements of the Machine Guidelines 2006/42/EG as well as EN 16005 and DIN 18650 (D).

Danger can occur if you do not use the system as intended.

1.6 Personal protective equipment

Use personal protective equipment to protect persons from adverse effects on health. Personnel must wear personal protective equipment during the various work activities on and with the system.

Depending on the place of work and the working environment, the protective equipment varies and must be adapted to the situation. In addition to the protective equipment for specific work, the work site can require other protective equipment (for example a harness).

In hygiene-protected areas, special or additional requirements of personal protective equipment can be necessary. These requirements must be thought of when choosing personal protective equipment. If there is any uncertainty regarding the choice of personal protective equipment, the safety officer must be consulted at the place of work.

1.7 Product liability

To guarantee a reliable and trouble-free operation of the system, only use parts that the manufacturer recommends. The manufacturer declines any liability for damages as a result of unapproved modifications to the system or the use of parts that are not permitted.

Refer to regulations, the responsibility of the owner or caretaker of the equipment are as follows:

- That the equipment operates correctly, so that it gives sufficient protection in regard to safety and health.
- That someone with documented competence in the equipment and in applicable regulations operates and regularly maintains, inspects, and services the equipment.
- That the provided Service log book and Site acceptance test and risk assessment are kept available for maintenance and service records.
- That the inspection covers the emergency opening function (when applicable).
- That the closing force is appropriate for the system size on fire-approved systems (when applicable).

1.8 Warranty

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

The ASSA ABLOY warranty does not apply to:

- That the software is error-free or operates without interruption.
- General wear and tear on the system.
- Fuses, disposable batteries and glass damage.
- System deviations caused by installers other than ASSA ABLOY.
- System that has been altered or damaged by vandalism or misuse.
- System that has been additionally equipped with non ASSA ABLOY original branded parts and/or spare parts.
- Unnecessary visits due to poor client communication (system 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. Damages can be for example 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.
- Non-compliance with the manufacturers care and the maintenance recommendations may void the warranty.
- ASSA ABLOY approved resellers must extend this warranty to the end-users only, but have no authority to extend a greater or different warranty on behalf of ASSA ABLOY.
- A service agreement with ASSA ABLOY helps to secure the availability of a fully operational system and gives priority at call-out, thus minimizing the time that the equipment is unusable.

2 General information

2.1 Terms and definitions

Term	Definition
Approved personnel	Authorised personnel are entitled to perform the following work: • Disassembly • Assembly • Commissioning • Operation • Audit • Maintenance • Troubleshooting • Decommissioning The approved personnel have several years of professional experience in the technical field, for example, as mechanics or machine fitters. The approved personnel are aware of the residual risks arising from the installation site and, due to their professional training, knowledge, and experience, can carry out the work assigned to them and to independently identify and avoid possible danger points.
Approved representative	The approved representative takes over certain parts of the manufacturer's obligations about fulfilling the requirements of the Machinery Directive. In particular, the approved representative can also place the system on the market and/or sign EC declarations of incorporation.
Life phases	All phases of the system's condition and use are referred to as life phases. This applies from the time the system leaves the factory until it is disposed of.
Manufacturer	The manufacturer is whoever designs and/or builds machinery or incomplete machinery under the scope of the Machinery Directive.
Personnel	All persons who carry out activities on and with the system are referred to as personnel. Personnel can be, for example, the operator, the cleaning staff, or the security staff. The personnel meet the personnel qualifications required by the manufacturer.
Service technician	Experts and specialists or representatives approved by the manufacturer to perform commissioning, maintenance, and servicing.
System	The term is used in these instructions as a synonym for the product. Door operators, revolving doors, sliding doors, gates, and so on are referred to as a system. If information in these instructions refers to a specific type, this is shown accordingly in the text.
System operator	The respective owner is referred to as the system operator, regardless of whether they operate the system as the owner or pass it on to third parties.
User	Users are all the persons who use the system.

2.2 Purpose and use of the instructions



NOTICE

A replacement of the instruction is available from the supplier or on the website.

These instructions are an integral part of the system and enable efficient and safe handling of the system. In order to ensure proper functioning, the instructions must be accessible at all times and kept in the immediate area of the system.

Only the male form has been chosen for reasons of better legibility.

The operator must have read and understood the manual before starting any work. The basic requirement for safe working is to follow the safety instructions and the handling instructions. In addition, the local regulations and safety rules apply.

The manual can be handed over in extracts to instructed personnel who are familiar with the operation of the system.

The illustrations are for basic understanding and may differ from the actual presentation. Specific representations are contained in the drawings.

2.3 Manufacturer

ASSA ABLOY Entrance Systems
Box 131
SE-261 22 Landskrona
Sweden
Phone: +46 10 4747 000

2.4 Target groups



WARNING

Risk of injury if the personnel are not approved.

If unapproved personnel work on the system or are in the danger zone of the system, dangers can occur. Severe injuries and substantial material damages can be the consequence.

- Only approved personnel must carry out work on the system.
- Keep unapproved personnel away from danger areas.

This manual is intended for the target groups listed below:

- The person who is responsible for the technical maintenance of this system.
- The person who operates the system every day and has been instructed.

3 Description

3.1 Intended use of the product

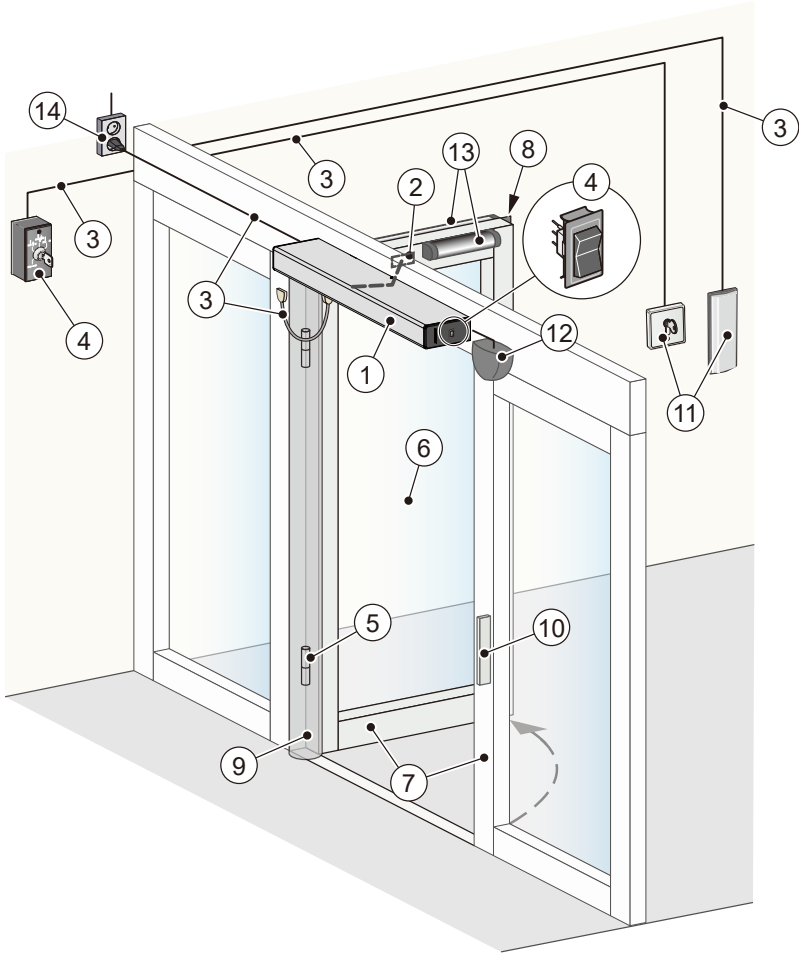
The ASSA ABLOY SW300-S is an automatic swing door operator developed to make life easier for everyone who can benefit from automatic doors. The ASSA ABLOY SW300-S is a low-energy as well as a full power operator using a DC motor and a gear-reduction system to drive an arm system, which opens the door. It is to be installed indoors where it is suitable for almost all types of external and internal swing doors. This widely-used operator can be found on applications ranging from handicapped-access in private homes to high-traffic retail operations.

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 for example dust and dirt.

For escape in emergency situations the door set is opened manually, but can also be opened with motor under certain circumstances.

Save the instructions for future reference.

3.2 Overview



Item	Description	Item	Descriptions
1	Operator	8	Door seals
2	Arm system	9	Finger protection
3	Cables	10	Lock
4	Program selector	11	Manual activation unit
5	Hinges	12	Automatic activation unit
6	Door and glass	13	Safety sensor
7	Door leaf and door frame	14	Mains power supply

3.3 Signage



CAUTION

Without marking on the moving door leaf the glass pane is difficult to see.

Risk of personal injuries or material damages.

- It is a requirement in EN 16005 that the glass surface is clearly recognizable, for example with markings or stickers. Always place marking on the moving leaf.
- If the operator of the system does not want visible glass marking, the operator must confirm this in writing to the installer.



Item	Door label	Note
1	Product label	Mandatory
2	Emergency breakout	Mandatory, if the door is approved for escape route.
3	ASSA ABLOY door sticker	Mandatory, if applicable for the door set-up, to highlight the presence of the glass. Apply to all glass sections that are moving.
4	Supervision of child	If mandatory in your country, this sign must be applied. The label must be applied to both sides of the door. If the risk analysis shows that children use the door, the sign is recommended.
5	Operator designed for persons with disabilities	Recommended, if applicable. Applied to both sides of the door.
6	Activation by persons with disabilities	Recommended, if applicable.
7	No entry	If mandatory in your country, this sign must be applied. Identifies that this door is one way-traffic. The sign label is not included in the product.
8	Automatic door	If mandatory in your country, this sign must be applied. The sign label is not included in the product.
9	Keep clear	If mandatory in your country, this sign must be applied. The sign label is not included in the product.
10	SITAC label	If mandatory in your country, this sign must be applied.

If problems occur contact your ASSA ABLOY service representative.

The signs must be attached from both the inside and the outside of the door approximately 1100 mm from finished floor to the center of the signs.

Mandatory in the table indicates that the sign is mandatory, refer to European directives and equivalent national legislation outside the European Union.

When the door is correctly installed and adjusted:

1. Attach the labels that come with the door.
2. Attach the label with the CE mark.
3. Do a visual check that all necessary signage is applied and intact.

3.4 Function description

The swing door operator ASSA ABLOY SW300-S uses a DC motor and a gear reduction system to drive an arm system which opens the door. Closing power is controlled by a motor and a closing spring. A highly sophisticated electronic control unit uses a motor encoder and a microprocessor to control the door's movement.

To activate the operator you can use a manual activator (elbow switch) or an automatic activator (sensor). It is also possible where local standards allow to activate the operator by just pushing the door, if Push and Go (PAG) is selected.

After the door is activated it stays open for the specified Hold Open Time (HOT). After the HOT the door closes.

The operator ASSA ABLOY SW300-S can be set in three or four different modes, refer to [6.1 Program selector \(OFF/AUTO/OPEN\) on page 26](#) and [4.1 Program selector \(PS-4C\) on page 22](#).

In fully manual use (or in case of a power failure) the operator ASSA ABLOY SW300-S acts as a door closer.

4 Options

The system complies with all applicable safety regulations, but it is possible to enhance the safety and comfort with the add-ons.

Contact the local ASSA ABLOY company for a detailed description.

4.1 Program selector (PS-4C)

PS-4C has four modes and can also operate the electric lock.

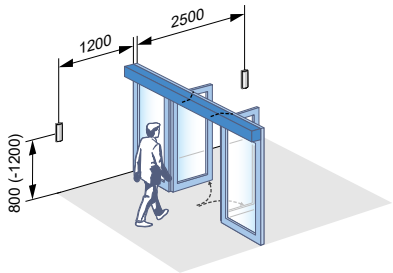


Mode	Function
 AUTO (Normal)	The door can be opened with the inner and outer manual and/or automatic activators. The electric strike, if fitted, is open.
 OFF	The door is closed and locked (if an electromechanical locking device has been fitted). The door can be opened with a key switch (if fitted).
 OPEN	The door is open.
 EXIT	Passage from inside only. The door is normally locked if an electromechanical locking device has been fitted. The door can only be opened with the inner activation unit or with a key switch (if fitted).

4.2 Elbow switches



Touchless switch 20-I



Elbow switch

4.3 Cable for synchronized double doors



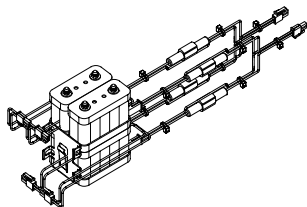
4.4 Battery back-up unit



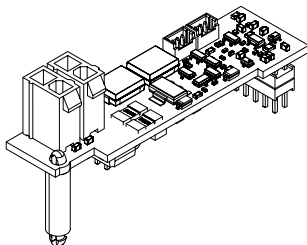
DANGER

Connection of the battery back-up unit

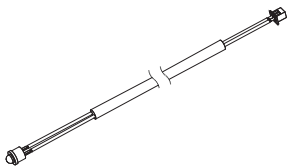
- Disconnect mains when replacing battery back-up unit.
 - Risk of battery explosion if the wrong type of battery is used.
-



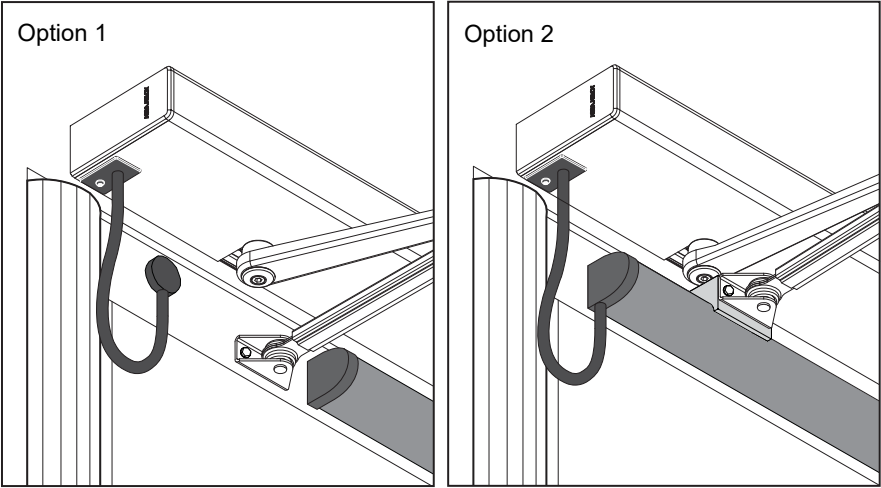
4.5 Battery management module



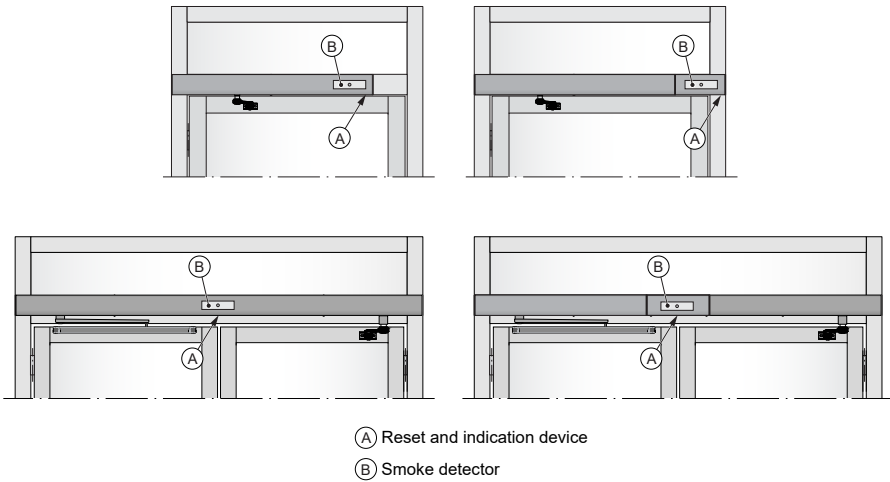
4.6 LED cable



4.7 Sensor



4.8 Reset and indication device for fire doors



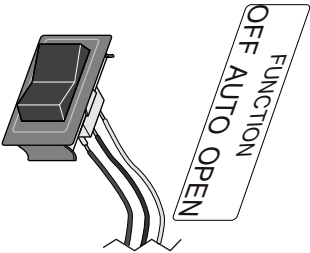
5 Specification

5.1 Technical specification

Type	ASSA ABLOY SW300-S
Mains power supply	100-240 V AC ±10%, 50/60 Hz Mains fuse maximum 10 A (building installation)
Power consumption	350 W
Power save mode (with the ECO module)	Maximum 0.3 W
Temperature range	-20°C to +45°C
Relative humidity	Maximum 95%, non-condensing
Degree of protection	IP20
Sound pressure	Lpa ≤ 70 dB (A)
Approvals	Third party approvals from established certification organizations valid for safety in use, refer to the Declaration of Conformity (DoC).

6 Operation

6.1 Program selector (OFF/AUTO/OPEN)



Mode	Function
OFF	The door is closed and locked (if an electromechanical locking device has been fitted). The door can be opened with a key switch (if fitted).
AUTO	The door can be opened with the inner and outer manual and/or automatic activators.
OPEN	The door is open (default setting). The default setting can be configured with an app (can only be operated by a service technician) for OPEN, PARKING or EXIT modes.

7 Inspection and maintenance



DANGER

Electric current.

In case of contact with live parts, there is an immediate danger to life because of electric shock. Damage to or removal of the insulation or individual components can be life-threatening.

- Make sure that only approved personnel work on the electrical system.
- Make sure that all poles are voltage free and that this is maintained for the duration of the work.
- Disconnect all poles from voltage before you start the work (cleaning, maintenance, replacement) on active parts of the electrical systems and the equipment.
- Keep moisture away from live parts. This can lead to a short circuit.
- Do not bridge fuses or put them out of operation.
- Do not connect the power supply or a battery until all work has been completed.
- Do not use a damaged supply cord. Only the manufacturer, its service agent or a similarly qualified person is permitted to replace a damaged supply cord.



CAUTION

Safety check necessary

Personal injuries or damages to the equipment can occur.

- Do not use the equipment if repair or adjustments are necessary.

When you have a service agreement with ASSA ABLOY, approved representatives do the service and adjustments. ASSA ABLOY makes sure that there is a safe and proper operation of your automatic door unit.

Remember to keep the Maintenance documentation, the Site Acceptance Test, and the Risk Assessment documents available. These documents are used together.

It is important to record any maintenance operation.

Recommended minimum maintenance interval of once a year. Refer to EN 16005.

To help you fulfil the national and international requirements and to avoid malfunction and risk for injuries, perform a check of the following things:

- [3.3 Signage on page 19](#)
- [7.1 Inspection on page 27](#)
- [7.2 Maintenance on page 28](#)

7.1 Inspection

7.1.1 Daily inspection



NOTICE

If the door is put in an escape route, approved personnel or the fire department must test the equipment regularly. Refer to the local regulations.

1. Do a visual check of the condition of the door seals.
2. Do a visual check of the condition of the glazing rubbers.
3. Examine the safety sensors (if there are any).
If you are unsure of which type of sensor you have, contact your ASSA ABLOY representative.
4. For doors equipped with breakout, do a functional test on all door leaves.
5. Make sure that the door leaves can be released and are not mechanically jammed.
6. Remove dirt from the locking holes in the floor for the espagnolette lock (if fitted).
7. If there are any problems, contact your ASSA ABLOY representative.

7.1.2 Cleaning

Clean the product on a regular basis to maintain the quality of the coating layer.

- Remove dust and dirt.
- To avoid damages to the profiles the brushes must be vacuum cleaned weekly.
- Clean the surfaces three times a year with a gentle (pH 5-9) non-polishing detergent and water.
- Use a soft non-abrasive sponge.
- Do not expose the product to alkalis. Both aluminium and glass are sensitive to alkalis.
- Do not clean with high pressure water. Operator, program selector and sensor can be damaged and water can enter the profiles.
- Do not use detergents or abrasive additives.
- Do not scrub with materials like Scotch-brite, as this can cause mechanical damage.
- If there is a doormat, remove the doormat and clean it thoroughly every year.
- Document the cleaning.

7.2 Maintenance

7.2.1 Maintenance intervals

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

This product may contain batteries that should only be replaced by an ASSA ABLOY trained and skilled technician.

Remember to keep “Service Log Book” and “Site Acceptance Test and Risk Assessment” documents (PRA-0007) available. These are used together.

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

Part	Cycles/hour in operation			Abusive environment
	<10	<100	>100	
	Low traffic	Medium traffic	High traffic	
Adaptor kit	24	12	6	6
PUSH arm service kit	24	12	6	6
PULL arm service kit	24	12	6	6
Micro switch kit	24	12	6	6

Part	Cycles/hour in operation			Abusive environment
	<10	<100	>100	
	Low traffic	Medium traffic	High traffic	
Stop arm kit	24	12	6	6
Battery assembly	24	24	24	24
Transmission unit kit	60	60	60	60
Control unit with the ECO module	60	60	60	60
Control unit without the ECO module	60	60	60	60

8 Troubleshooting

8.1 Troubleshooting

Cause	Solution
The motor does not start.	• Refer to the setting of the program selector. • Make sure that there are no objects in the de-tection zone if a sensor is fitted. • Make sure that the mains power and fuse in the building are in a good condition.
The motor starts but the door does not open.	• Unlock the mechanical locks. • Make sure that nothing is jammed beneath the door.
The door does not close.	• Refer to the setting of the program selector. • Make sure that there are no objects in the de-tection zone if a sensor is fitted. • Make sure that nothing is jammed beneath the door.
The door opens and closes continuously.	• Make sure that there is no moving object within 1 to 1.5 m from the door if an automatic activa-tion unit is fitted.

If the problem continues, please contact your ASSA ABLOY representative.

9 Taking out of service and disposal

9.1 Decommissioning



NOTICE

After each temporary shutdown a new commissioning must be carried out.

When the system is taken out of service:

1. Disconnect the system from the mains supply.
2. Unplug from any existing battery.

9.2 Dismantling and disposal



NOTICE

All parts must be separated, sorted by the type of material, and disposed of. Refer to local regulations and guidelines.



NOTICE

The systems can be completely disassembled in the reverse order.

The installation mainly consists of the following materials:

Metal components (aluminium, steel, and iron)

- Linking profiles, system leaf profiles, side profiles, various profiles, and reinforcement profiles.
- Gearbox, drive panel.
- Gear components and springs.
- Stainless steel casing, floor panel, and box recess for the floor installation.
- Various small parts like fittings, covers, optional spacers, and linking parts.

Glass

- Leaves and side panels.

Various electronic and electromechanical components

- Sensors.
- Control components and operator components.
- Batteries and rechargeable batteries.

Various plastics

- Rollers.
- Sealing profiles.
- Cable clips, coupling and linking parts.
- Casing of electromechanical components and sensors.

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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