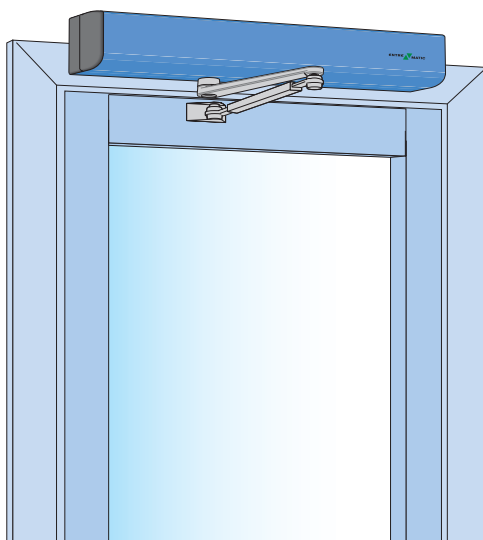


EntreMatic Swing Door Operator EMSW

User Manual



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Congratulations to your new automatic door!

EntreMatic has developed automatic doors for more than 40 years. Modern technology and carefully tested material and components give you a first class product.

As with all other technical products, your automatic door needs maintenance and service. To help you with this we have produced this manual. 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 EntreMatic representative is familiar with these standards, as well as all applicable local codes and EntreMatic recommendations for power-operated pedestrian doors. Service and adjustments performed by this representative will ensure safe and proper operation of your automatic door unit.

HAZARD WARNING



Failure to observe the information in this manual may result in minor personal injury or damage to equipment.
Save these instructions for future reference.

Environmental requirements

Please act according to your local regulations and dispose of your old products properly. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

Product liability

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

- that the equipment operates correctly, that regular inspection and maintenance and service is made, so that it gives sufficient protection in regard to safety and health
- that the equipment is operated, maintained and regularly inspected by someone with documented competence in the equipment and in applicable regulations
- that a journal is kept of inspection, maintenance and service records including the provider
- that inspection covers the emergency opening function (when applicable)
- that the closing force is appropriate for the door size on fire-approved door systems

Service

Regular inspections shall be made according to national regulations and the number of service occasions shall be in accordance with national requirements. This is especially important when the installation concerns a fire-approved door or a door with an emergency opening function. Talk to your EntreMatic representative! For contact information, see last page.

Purpose of use

The EMSW is an automatic swing door operator developed to make life easier for everyone who can benefit from automatic doors. The EMSW is a fire-approved electrohydraulic operator, 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.

Each installation is unique however, and must therefore be equipped and adjusted for the application-relevant safety requirements, just like maintenance must be performed as specified for the selected material.

How the EMSW works




The EMSW uses a motor to open and a spring to close the door. The operator can also be set up to control an electric lock if such a device is installed.

To activate the operator you can use a manual activator (elbow switch) or an automatic activator (radar device). It is also possible – where local standards allow – to activate the operator by just pushing the door, if there is such a push-and-go device installed.

After the door has been activated it will open and stay open for a specified Hold Open Time (HOT). When the HOT has elapsed the door will close.

The EMSW can be set in three different modes (if a programme selector is installed), see picture below.

In fully manual use (or in case of a power failure) the EMSW acts as a normal door closer.

Position		Function
	“Auto” Normal position	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. The inner and outer manual and/or automatic activators are disconnected. The electric strike, if fitted, is locked. The door can only be opened with key switch.
	“Open”	The door is held permanently open and the motor is inactivated.

Technical data

Mains power supply: 230 V AC +6/-10%, 10 A, 50 Hz

Power consumption: Max. 230 W











Regular safety checks

To help you fulfil the requirements in the European Directives and to avoid malfunction and risk for injuries, we have made the following checklist.



Do not use if repair or adjustment is necessary.

Disconnect supply ⑭ when cleaning or other maintenance is carried out.

Action			If problem occurs
Activate your operator and check visually, fastening of <ul style="list-style-type: none"> operator ① arm system ② cables ③ programme selectors ④ hinges ⑤ door and glass ⑥ 			
Also inspect your operator and check visually for <ul style="list-style-type: none"> sharp edges on the door leaf and door frame (if any) ⑦ condition of door seals ⑧ finger protection ⑨ and finally that the complete door runs properly and closes slowly in a smooth way 			 
Set the programme selector in OFF mode and check that the operator and lock work together. Also check that the lock really secures the door ⑩.			
Activate the manual activation units ⑪ if any, and walk towards the door. Check that the door has opened sufficiently while you pass the entrance/exit. Then proceed with the automatic activation units ⑫ in the same way.			
Check the non-monitored safety sensors ⑬ if any, by standing in the swing path and activate the operator. The door must not hit you when opening nor when closing. If you are unsure of which type of sensor you have, please contact your EntreMatic representative.			
Escape doors	By law, these tests must be performed regularly by trained personnel.	Set the programme selector in Auto mode. Push the door manually in escape direction and make sure that no object or function will prevent the door from opening. Also make sure the escape route is free for use.	 
Fire doors		Let the door close after an impulse and make sure that no object will prevent the door from closing and locking (if demanded).	 

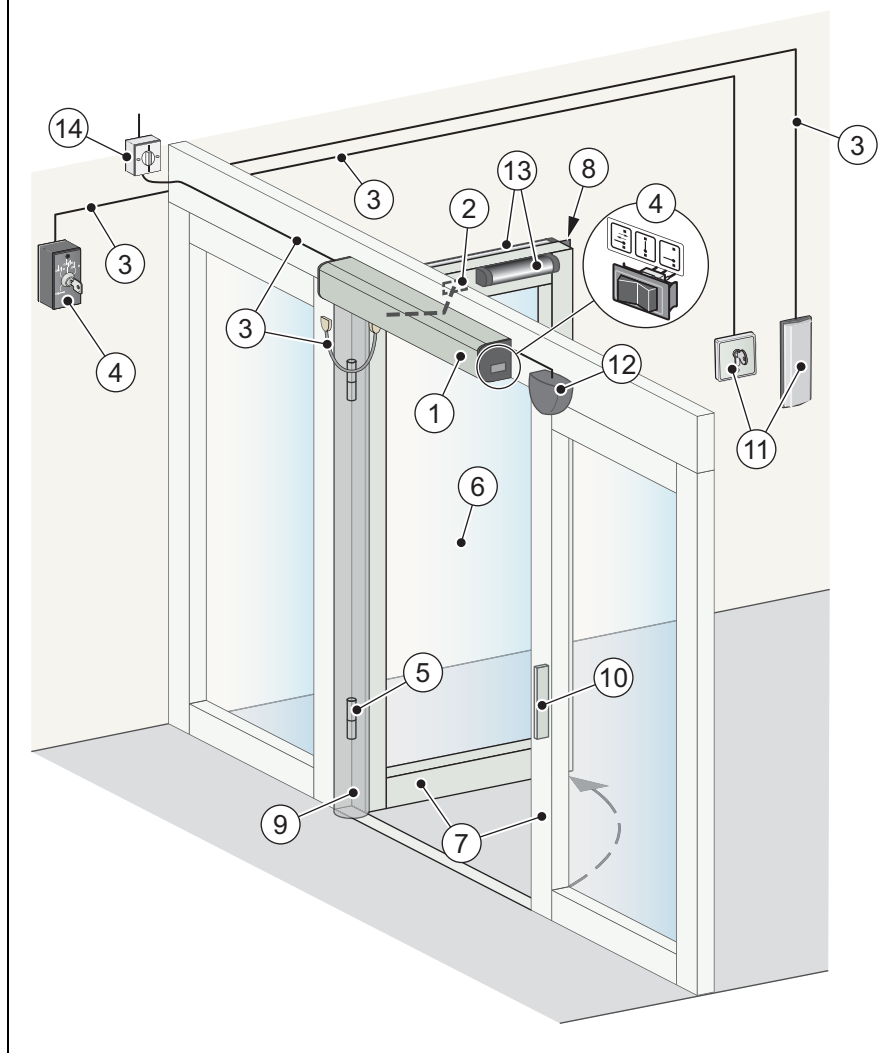


= Contact your EntreMatic representative. For contact information, see last page.




= Take appropriate measures.

FUNCTION AND VISUAL INSPECTION



SIGNAGE



Action	If problem occurs
<p>Check that all required signage is applied and intact.</p> <p>(A) Product label: Mandatory</p> <p>(B) Emergency break-out: Mandatory, if applicable</p> <p>(C) EntreMatic door sticker: Mandatory, if applicable (applied to both sides of the door). To be used if there is no other signs on a full-glass door.</p> <p>(D) Supervision of child: Mandatory, if applicable (applied to both sides of the door). To be placed on entrances where the risk analysis shows majority use by children, elderly and disabled.</p> <p>(E) Operator designed for disabled people: Recommended, if applicable (applied to both sides of the door)</p> <p>(F) Activation by disabled people: Recommended, if applicable</p>	



= Contact your EntreMatic service representative. For contact information, see last page.

Safety accessories

Even though the EMSW is installed to comply with all applicable safety regulations, it is possible to enhance safety/comfort with the following add-ons (please contact your local EntreMatic company for detailed description).

- Safety sensors ⑬, see page 6
- Finger protection ⑨, see page 6

General accessories

Your EMSW can be further improved with the following add-ons (please contact your local EntreMatic company for detailed description).

- Position switch ④, see page 6
- Electrical lock ⑩, see page 6
- Key switch ⑪, see page 6
- Elbow switch ⑪, see page 6
- Radar ⑫, see page 6
- Wireless transmitters (not illustrated)
- Access control (not illustrated)
- Door stop (not illustrated)

Troubleshooting

What's wrong?	Remedies
The door does not open	
- The motor does not start	Change the setting of the program selector (see page 4).
	Check that there are no objects in the detection zone if a sensor is fitted.
	Check the mains switch and the power supply fuse.
- The motor starts but door(s) will not open	Unlock the mechanical locks.
	Check that nothing is jammed beneath the door.
The door does not close	Change the setting of the program selector (see page 4).
	Check that there are no objects in the detection zone if a safety sensor is fitted.
	Check that nothing is jammed beneath the door.
The door opens and closes continuously	Check that there are no moving objects within 1-1.5 m (39"-59") from the door if an automatic activation unit is fitted.
If the problem continues, please contact your EntreMatic representative.	



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