



Micom Americas, Inc. local manufacturing makes it easy to create custom entrances in a timely manner. Let us demonstrate our superior quality, service, support and custom capabilities on your next project.

MICOM SW800 Automatic Swing Door Operator

Introduction

The **MICOM SW800** is a single model, dual purpose swing door operator which is selectable for Fully Automatic or Low Energy applications. The **SW800** was developed to overcome harsh wind conditions and stack pressure. The flexible design allows the broadest range of applications installers are likely to experience. Improved serviceability offers low lifetime maintenance.

The **SW800** is the perfect choice for both high energy commercial pedestrian traffic flow, low energy ADA applications, and Universal Accessible washrooms in new and existing buildings, offering a powerful, yet gentle and friendly door opening solution.

Equipped with an adjustable heavy-duty spring, the **SW800** can accommodate doors up to 700 lbs. (315Kg)

Unique Operating Features

The **SW800** has been engineered to open doors for all, including children and people with limited mobility. The technologically advanced gear mechanism allows the door to be opened with ease while prolonging service life, offering years of reliable, trouble-free swing door operation.

The non-handed **SW800** can accommodate Left/Right, Push & Pull swing applications in one compact and powerful unit.

Optional battery backup is available to ensure continuous operation for mission-critical facilities at all times.

The built-in obstacle detection safety feature allows customization of door behavior according to end-user preferences.



All Glass Office Doors



All Glass Medical Doors



Offices



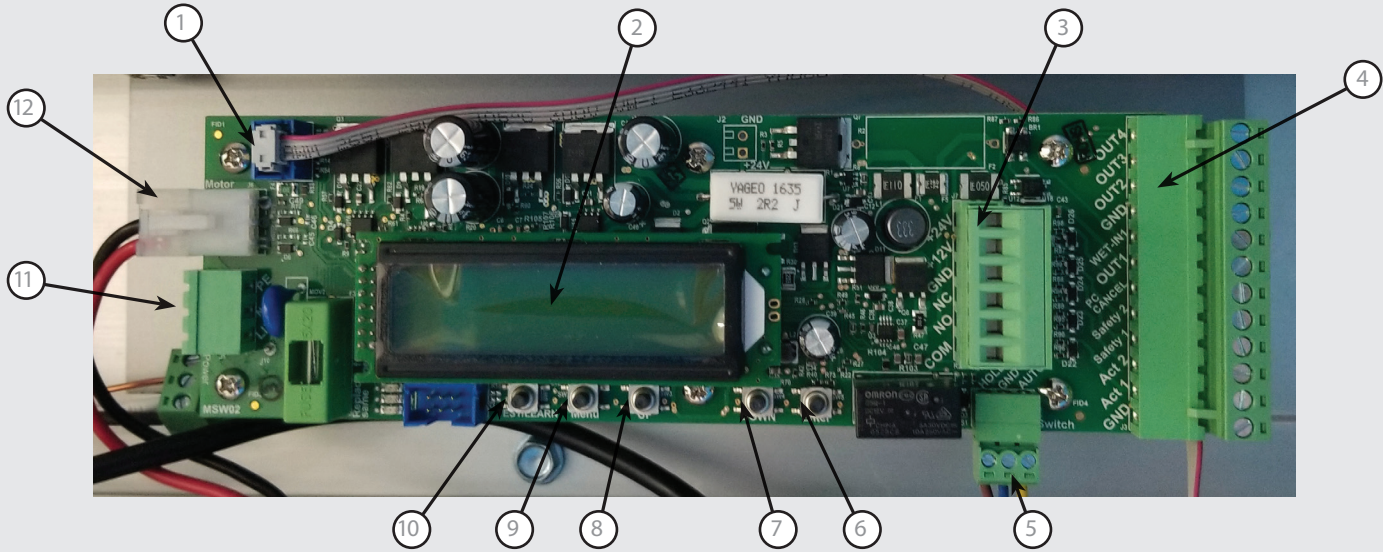
Washrooms



Main Entrances

SW800 Electronics Controller

MICOM SW800 Control Unit



No:	Description
1	Gearbox Communications Cable
2	LED Display Screen
3	E-Lock/Strike 12V/24V DC Output Connector
4	Accessory Connector Terminal
5	3 position Switch (On/Off/Hold Open)
6	Enter Button

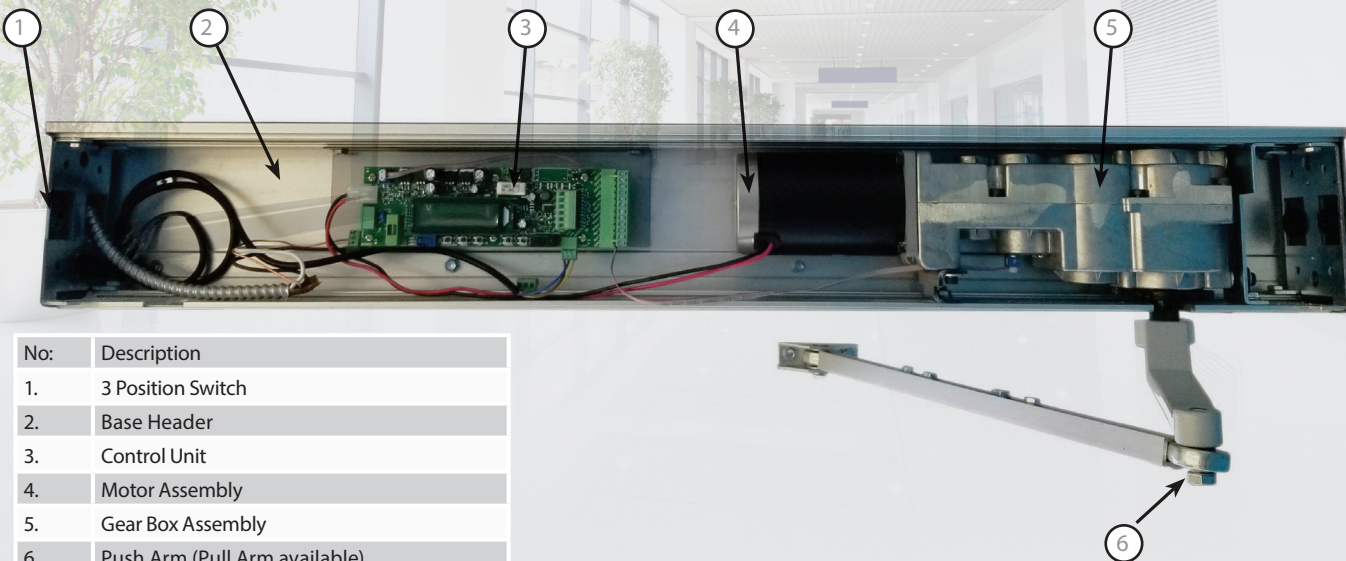
No:	Description
7	Down Button
8	Up Button
9	Menu Button
10	Test/Learn Button
11	AC Power Input Connector
12	Motor Connector

BEST IN CLASS Product Features

KEY FEATURES	FUNCTIONAL DESCRIPTION
Header Dimensions	5 1/2"h x 4 1/2"d x minimum 29"w, (140mm x 114mm x 762mm), standard width is 39" for a 36" door
Heavy Duty Capacity	Industry leading capability for doors weighing up to 700 lbs. (315Kg)
DC Motor	A large, powerful 1/4 hp 24vdc permanent magnet motor ensures a long-lasting trouble-free ownership
Non-Handed	Non-handed Operator for Left/Right or Push/Pull applications in a single model, field changeable
Push & Go	Selectable, activates automatic opening after pedestrian has manually moved the door 4"
Obstacle Detection	Obstacle detection Safety on Opening & Closing, door stops or reverses when encountering an obstruction
Selectable Power Close	Activates when door closing and in programmed latching area to ensure door is positively latched
On Board Power Supply	Total of 1.2 amps of 12VDC and 24VDC to power accessories at the same time
Opening & Closing Speed	Adjustable Opening & Closing speeds
Adjustable Closing Force	Fully adjustable Closing force settings
Electric Lock Input & Delay	Selectable Fail Safe or Fail Secure electric lock setting with adjustable time delay of 0.2 - 2.0 sec
Latch Assist Programs	Selectable latch assist programs "before open and closing" to prevent binding of electric strike
Adjustable Latching Area	Allows adjustment of the latching position and the closing speed in the latching area
Electronic-Stop Positioning	Adjustable Electronic stop setting door open position preventing damage to the entrance components
Encoder Door Positioning	Integrated encoder technology providing precise door control and positioning at all times
Adjustable Back Check	Allows you to set the speed and position of the back check of the door for positive control at all times
Open/Closed Status	Dry contact can be used for monitoring status of door
Presence Detector Inputs	Direct input for 2 external presence safety sensors direct to the controller board
Extendable Spindle	Easily extend spindle up to 3" where the operator has to be mounted higher than typical applications
Battery Backup Kit	Includes batteries and charger to connect to central operations center to warn for battery replacement
Switch Failure	Disregards activation signal after 15 minutes of continuous engagement which is usually caused by malfunctioning push buttons

Note: Consult factory for detailed Technical Data Sheet.

Multi Functional Simplicity



No:	Description
1.	3 Position Switch
2.	Base Header
3.	Control Unit
4.	Motor Assembly
5.	Gear Box Assembly
6.	Push Arm (Pull Arm available)

MICOM SW800 is a compact, durable and high-quality automatic swing door operator system with an attractive housing design incorporating features such as LED digital set up, simple latch, and back check settings.

When fully automatic mode is selected, the **SW800** is ideal for continuous duty, high traffic entrances such as shopping malls, hotels, grocery stores, and airports. These facilities require faster opening speeds where endurance of operation is essential. The SW800 accepts all customary safety inputs in offering 12V/24V output for activations and other accessories.

With low energy mode selected, the **SW800** is a user-friendly door that is light to the touch with available Push & Go, and meets the requirements for ADA-accessible entrances. Opening/Closing speeds and forces can be programmed avoiding risk of any accident should the door area become obstructed.

The Controller comes standard with terminal outputs for e-strikes, mag locks, and other electronic retraction devices so it easily meets electronic access control requirements for hospitals, schools, offices, care homes and residential apartment buildings.

The high quality construction of the SW800 is backed up by an industry-leading **3-year** warranty.

Latching & Back-Check Setting

Setting the total door movement is easy. From initialization, the operator will learn the opening and closing cycle, retaining in memory the correct position of latch and back check. The operator will self-learn for weight and apply the correct door speeds and forces required. The operator has fully adjustable opening and closing parameters for speeds and forces. If additional closing force is necessary, this can be simply achieved by adjusting the spring force or activating the power close feature.

Thanks to our intuitive user-friendly controls, programming and set up can be achieved in minutes.

Authorities/Certifications

UL325/UL991 Listed
CAN/CSA – C22.2 No. 0.8 Listed
UL10C – Rated 2 Hours
Conforms with ANSI A156.10 / ANSI A156.19
Complies with ADA

Operator Types/Models

Available in Surface Mount and Overhead Concealed models for Interior Clutched, Exterior, and special High Wind Load models for Butt-Hinged, Offset Pivot or Center Hung swing doors.

Micom Americas Inc.
220 Viceroy Rd, Unit 15
Vaughan ON L4K 3C2
Tel: 905-851-8688
www.micomamericas.ca



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Micom Americas Inc.: Canadian Manufacturer of Automatic Swinging & Sliding Doors