



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 Smart Swing 800 Automatic Swinging Door

# Introduction

## Introduction

**MICOM SMART SWING 800** is a dual purpose swing door operator in a single contained unit. Providing customer convenience when fully automatic where high frequency, heavy duty use is essential. While also meeting the needs of people with limited mobility as a low energy operator when a user friendly door is required. Overcoming wind conditions, stack pressure and improving serviceability to keep up with accessibility needs has been our mission

### Unique Operating Features

**MICOM SMART SWING** has been engineered to open doors for all, including people with limited mobility and children alike. Our carefully designed gear mechanism allows the door to be opened with incredible ease. Whilst at the same time prolonging service life, offering years of reliable, trouble free, swing door operation.

Being non-handed, **MICOM SMART SWING** can accommodate left, right, push and pull swing applications in one compact and powerful unit.

Equipped with an adjustable heavy-duty spring, **MICOM SMART SWING** can accommodate heavier doors up to 300kg in windy conditions. In addition, **MICOM SMART SWING** incorporates an in-built adjustable doorstop, which eliminates the need for external stops and provides protection against wind damage.

**MICOM SMART SWING is the perfect choice** for both high energy commercial pedestrian flow, low energy residential applications and Universal accessible washrooms in **new and existing buildings. Offering a powerful, yet gentle and friendly door opening solution.**



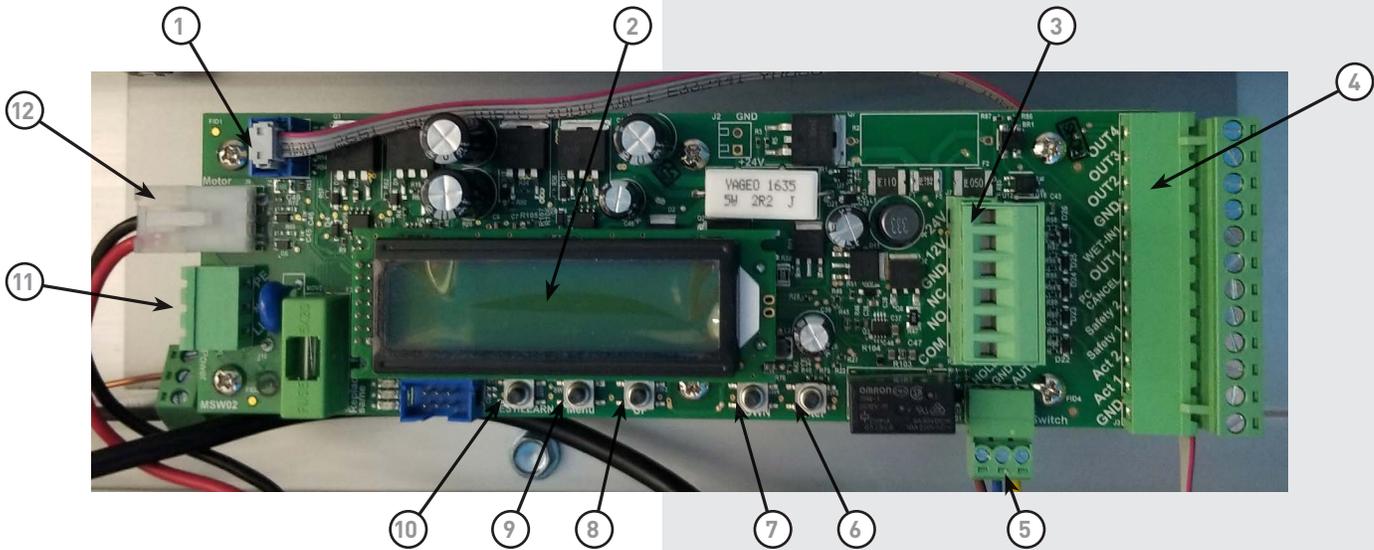
Washrooms



Main Entrances



# MICOM SMART SWING Control Unit



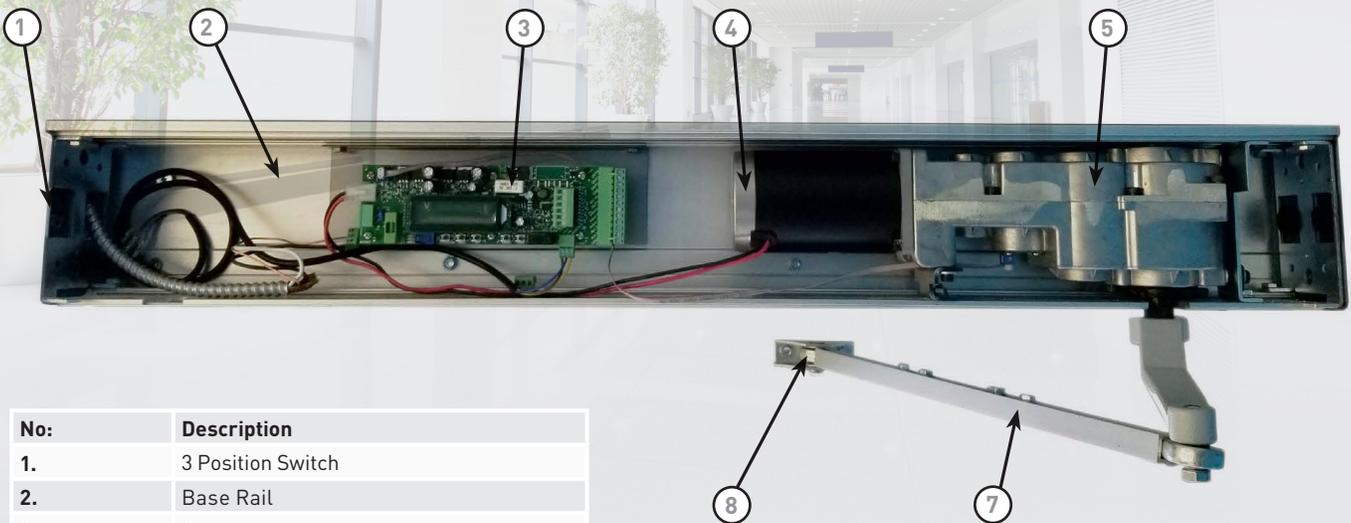
No:	Description
1	Gearbox Communicator
2	LED Display Screen
3	E-Lock/Strike 12V/24V DC Output Connector
4	Accessory Connector Terminal
5	3 position Switch (Hold/Manual/Auto)
6	Enter Button
7	Down Button
8	Up Button
9	Menu Button
10	Test/Learn Button
11	Power Input Connector
12	Motor Connector

## Operational Features

- › 3 Position switch (auto/off/hold open)
- › Open time up to 60 seconds
- › Timed delay after activation
- › Open cycle counter
- › E-Lock relay output
- › In-built adjustable door stop
- › Communication available for double doors
- › Push & Go option available

Model	MICOM SMART SWING FA	MICOM SMART SWING HA
<b>Door Capacity</b>	300kg Max	
<b>Max Open Angle</b>	110 degrees (adjustable).	
<b>Arm System</b>	Push (Articulate) and Pull (Slide)	
<b>Push &amp; go</b>	Yes (Adjustable)	
<b>Power</b>	AC230/110 V 50, 60 Mhz 2A	
<b>Opening Speed</b>	15-75 0/sec. (Adjustable)	
<b>Control System</b>	Micro-processor	
<b>Braking Regulator</b>	Automatic	
<b>Opening Time</b>	0-60 sec.	
<b>Close Pressure</b>	A small force can be configured to maintain the door open or shut. Strength from 0-8 kg.(in five positions)	
<b>Security Function</b>	Upon opening and encountering an obstacle, it will stop. Upon closing and encountering an obstacle, it will go back and slowly close. If it remains as such, it will stop and an alarm will sound.	
<b>Detection of Fault</b>	Notice and indication of the type of error by means of written display.	
<b>Operation</b>	Continuous	
<b>Electro-Magnetic Lock</b>	Electro-Magnetic Lock of 12/24 Vdc (optional)	
<b>Operating Environment</b>	Room temperature from -20 degrees centigrade to +50 C (with no condensation or ice-forming). Environmental humidity from 30-85%. (There should be no dangerous materials in the environment).	
<b>Operator dimensions</b>	140 x 114 x 800 mm (height, depth, length).	
<b>Weight of Operator</b>	9kg	

# Multi Functional Simplicity



No:	Description
1.	3 Position Switch
2.	Base Rail
3.	Control Unit
4.	Motor Assembly
5.	Gear Box Assembly
6.	Door Stop
7.	Push Arm (Pull Arm Available)
8.	Door Shoe

**MICOM SMART SWING** is a very compact, durable and high-quality automatic swing door operator system. With an attractive housing design and incorporating design features such as LED digital set up, simple latch and back check setting, as well as an inbuilt door stop.

#### MICOM SMART SWING FA

Used for high frequency entrances such as shopping malls, hotels and airports. When open speed and endurance of operation is essential, accepting all customary safety inputs and offering 24V output for activations and other accessories.

#### MICOM SMART SWING HA

Used when a friendly door is required, light to the touch, push and go option is available. Open and closing speed can be restricted avoiding risk of any accident should someone unintentionally block the door.

With an Electromagnetic Lock connection output supplied as standard, doors can be made secure to fit any requirement such as hospitals, schools, care homes and residential apartment buildings.

#### Latching & Back-Check Setting

Setting the total door movement is automatic. From initialisation, the operator will learn the opening and close cycle, retaining in memory the correct position of latch and back check. It will automatically calibrate for weight and apply the correct door speeds and forces required. When using spring close, if additional closing force is necessary, this can be simply achieved by programming. Thanks to our unique, user friendly procedure, installation and set-up can be achieved within minutes.

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Member



American Association of  
Automatic Door Manufacturers

