

Multi-Swing HA & FA - Centre Hung

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Incorporating all the standard features of Multi-Swing, such as LED digital control, simple latch and back check setting, including our unique clutch gear, as well as HA and FA options, we also offer centre hung or pivot mounted possibilities for doors up to 200kg.



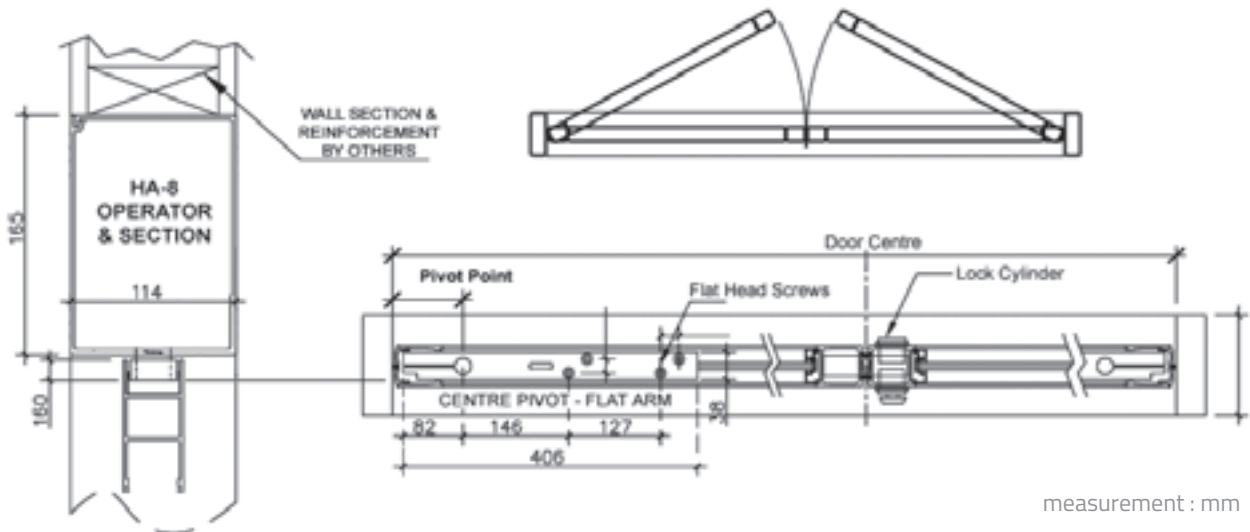
Installation

Centre hung or Pivot mounted doors open on a central axis. The door is fixed at the top and bottom, opening around a central pivot point. The operator is mounted and concealed directly above the door.

With the operator concealed within the box section, the door is mounted onto a flat arm specially designed to be concealed within the top of the door section. With no arm or operator visible from either side of the entrance, an elegant and slim lined finish can be achieved.

Centre Hung (Built-in) Installation

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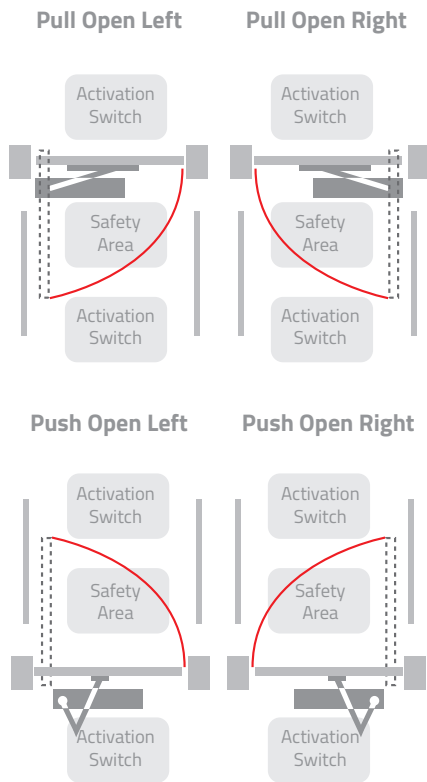


Specification

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Model	Multi Swing - Centre Hung		Multi Swing - Heavy - Centre Hung
Type	HA-8	FA-8	FAS-8
Door Weight (max)	90kg	100kg	200kg
Application	Built in		
Operator	Regular plated gear housing, motor and spring		Cast gear housing, heavy type motor and heavy spring
Control	Parameter setting by microprocessor		
Latch and Back Check	Setting by micro switch		
Closing	By adjustable spring		
Arm	Flat type		
Hand	Specify left/right handling		
Base Rail	L=1145mm standard single (double rail available)		
Options	Extended drive shaft available on request		

Non Handed Operation



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Multi-Swing

Multi-Swing HA & FA

Automatic swing door operator
Exceptional quality economical prices

CE EN16005 Compliant

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Introduction

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Multi-swing automatic swing door operators allow barrier free access for all. FA model provides customer convenience when fully automatic, high frequency use is essential. Whilst HA model meets the needs of people with limited mobility with low energy operation when a friendly door is required.

Unique Operating Features

Multi-swing has been engineered to open doors for all, including people with limited mobility and children alike. Our unique one-way clutch 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, Multi-Swing can accommodate left, right, push and pull swing applications in one compact and powerful unit.

Equipped with an adjustable heavy-duty spring, Multi-Swing can accommodate heavier doors up to 150kg in windy conditions. In addition, Multi-Swing incorporates an in-built adjustable doorstop, which eliminates the need for external stops and provides protection against wind damage.

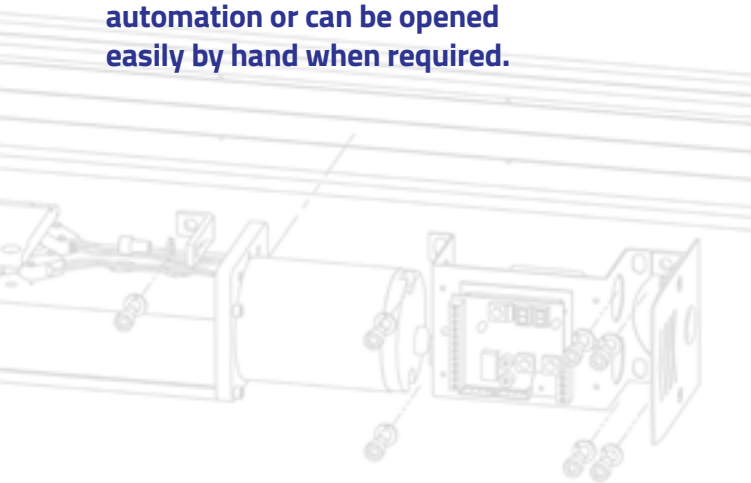
Main Features

- > Quiet and friendly
- > Suitable for low energy and high frequency use
- > Ultra-low resistance by hand
- > Incorporates unique clutch gear system
- > Easy non-handed conversion
- > Simple installation and adjustment
- > Digital LED display and function setting
- > 24V output for accessories
- > Long term continuous operation

Multi-Swing is the perfect choice for new and existing buildings, offering a powerful, yet gentle and friendly door opening solution.

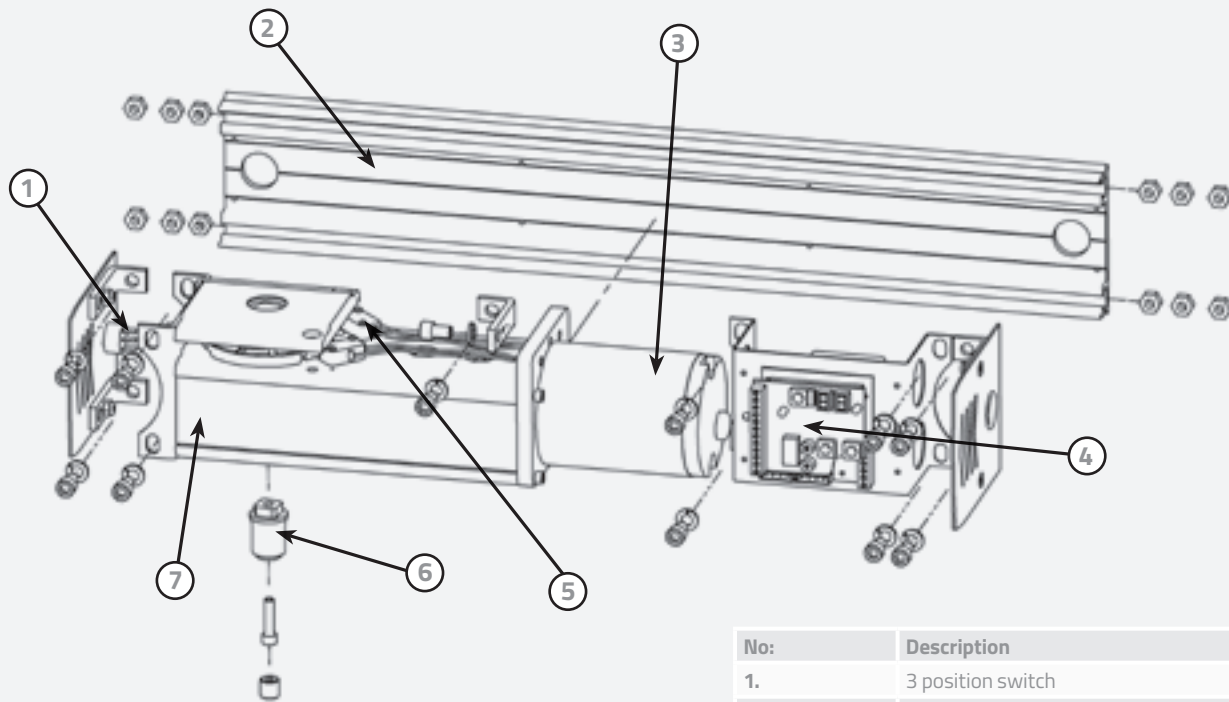


Providing fully automatic door automation or can be opened easily by hand when required.



Multi functional simplicity

Multi Functional Simplicity



Both Multi-Swing FA & HA incorporate the same design features such as our unique clutch gear and inbuilt door stop, as well as LED digital set up and simple latch and back check setting.

Multi-Swing FA - Fully Automatic

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.

Multi-Swing HA - Low Energy

Used when a friendly door is required, with its unique one-way clutch mechanism, any door is light to the touch, either pushed by hand or when the door encounters an obstruction. Open speed is restricted avoiding risk of serious accident should someone try to increase the door speed accidentally. With an E-Lock relay supplied as standard, doors can be made secure and fit any requirement such as hospitals, schools, care homes and residential apartment buildings.

Dual Control for Double Doors

For double door automation a dual control is available, driving two motors simultaneously whilst individual door control and synchronisation is possible. Incorporating the same features as the single control, both doors can be adjusted independently, such as open and close speed, latch and back check speed, as well as delayed opening - whereby door 2 will be delayed after door 1 is opening.

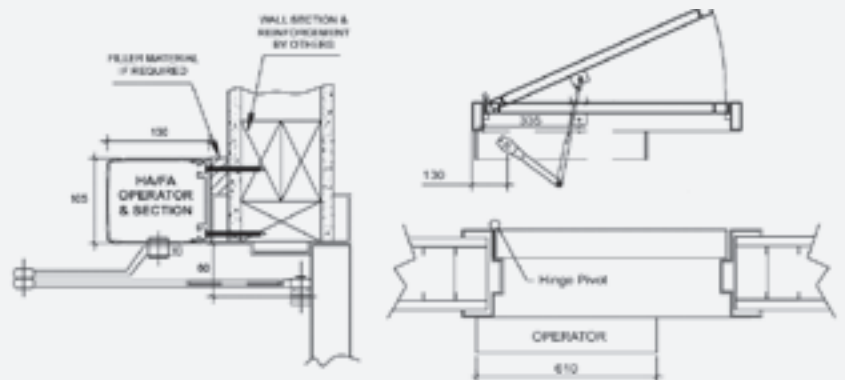
Latching & Back-Check Setting

Setting the final 10 degrees of the open and close movement can be simply achieved by hand. Thanks to our unique, user friendly adjustment mechanism, installation and set-up can be achieved within seconds. As this feature is electro mechanical - open and close settings will never be effected by obstruction or misuse of the door in anyway, for example should it be pushed, pulled or held during opening.

No:	Description
1.	3 position switch
2.	Base rail
3.	Motor assembly
4.	Control unit
5.	Back check and latch setting
6.	Removable drive shaft
7.	Gear box assembly

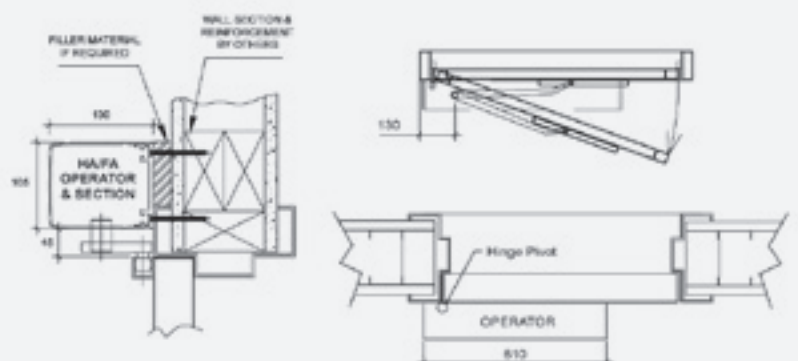
Push (Link Arm)

Push (Link Arm) Installation



Pull (Slide Arm)

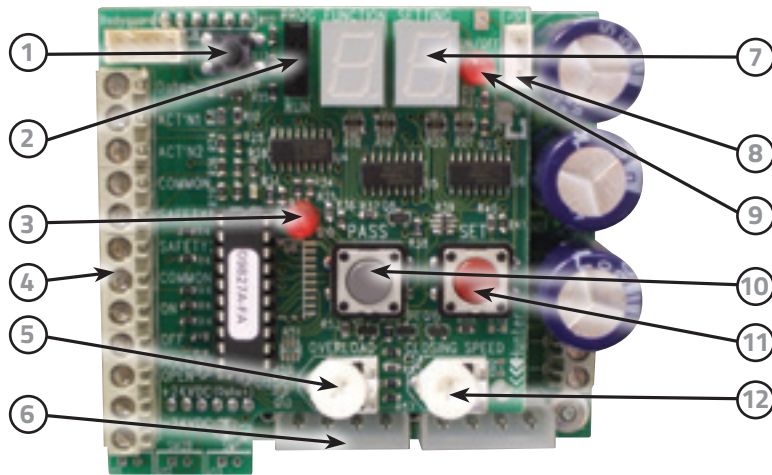
Pull (Slide Arm) Installation



measurement : mm

Multi Swing Control Unit - FA

Multi Swing Control Unit - FA



Operational Features

- > 3 Position switch (auto/off/hold open)
- > Open time up to 30 seconds
- > Timed delay after activation
- > Open cycle counter
- > E-Lock relay output (HA type)
- > In-built adjustable door stop
- > Dual control available for double doors
- > Push & Go option available

Input/Output Options

- > Act'n1 – Activation Input
- > Act'n2 – Delayed Activation Input
- > Safety 1 – Closing Side Safety Input
- > Safety 2 – Opening Side Safety Input
- > 3 Position Switch
 - On – Automatic
 - Off – No Activation
 - Hold Open
- > 24V Output

No:	Description
1	Test button
2	Programme/run switch
3	Overload indicator LED
4	Signal input/output terminal
5	Overload (obstruction) adjustment
6	Motor connection plug
7	LED digital display
8	VBack check and latch input
9	LED application setting ON/OFF
10	Pass button - programme setting
11	Set button - programme setting
12	Closed speed adjustment

Model	Multi Swing FA	Multi Swing HA
Application	Fully automatic	Restricted - low energy
Door Weight (max)	150kg	90kg
Operator Dimensions	610mm (L) x 105mm (H) x 130mm (D)	
Power Supply	220V ~ 240V AC, 50/60Hz	
Consumption	AC24V / 4AMP	AC16V / 3AMP
Motor	1/8 hp, 24VDC, 3A	
Reduction Gear	Enclosed reduction gear system	
Control System	Microprocessor digital control	
Closing Force	Adjustable pressure by spring tension	
Braking (Open Back Check & Close Latch)	Adjustment by microswitch and cam mechanism	
Opening Time	Full Closed to Back Check	8 steps adjustable
	Back Check to Full Open	5 steps adjustable
Closing Time	Full Open to Latch	Adjustable
	Latch to Full Closed	5 steps adjustable
Hold Open	Pulsed energy to motor. No overheating. Continuous hold open	
Operation During Power Failure	Low manual resistance when opened by hand. Door closing by spring.	
Electro-Magnetic Lock System	Optional interface	Output available with HA control
Operating Environment	Ambient temperature -20 deg ~ +50 deg. (no condensation or icing)	
	Ambient humidity 30% to 85%RH (no hazardous materials must be present in the atmosphere)	