

iGenius®

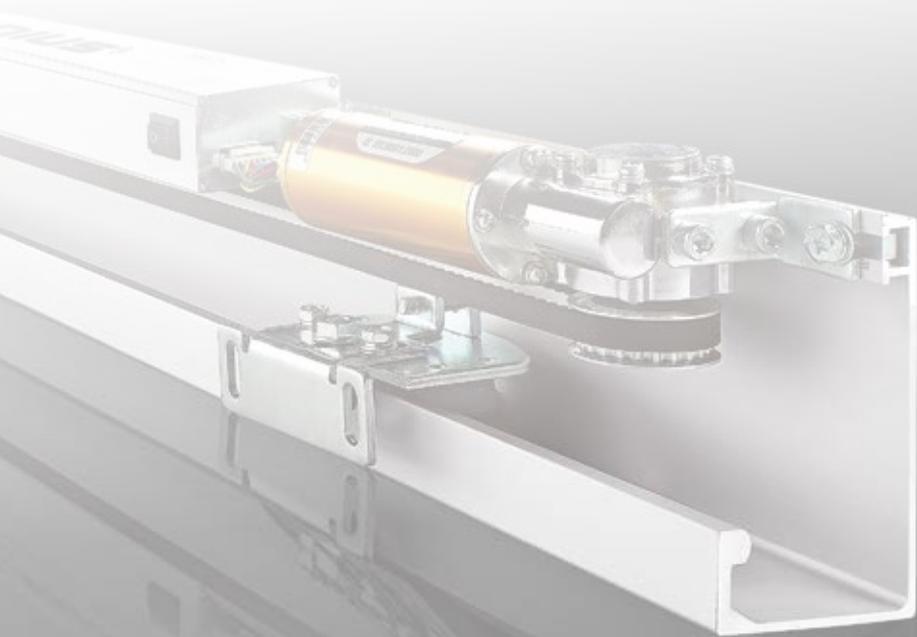


Operation Manual

1. Introduction

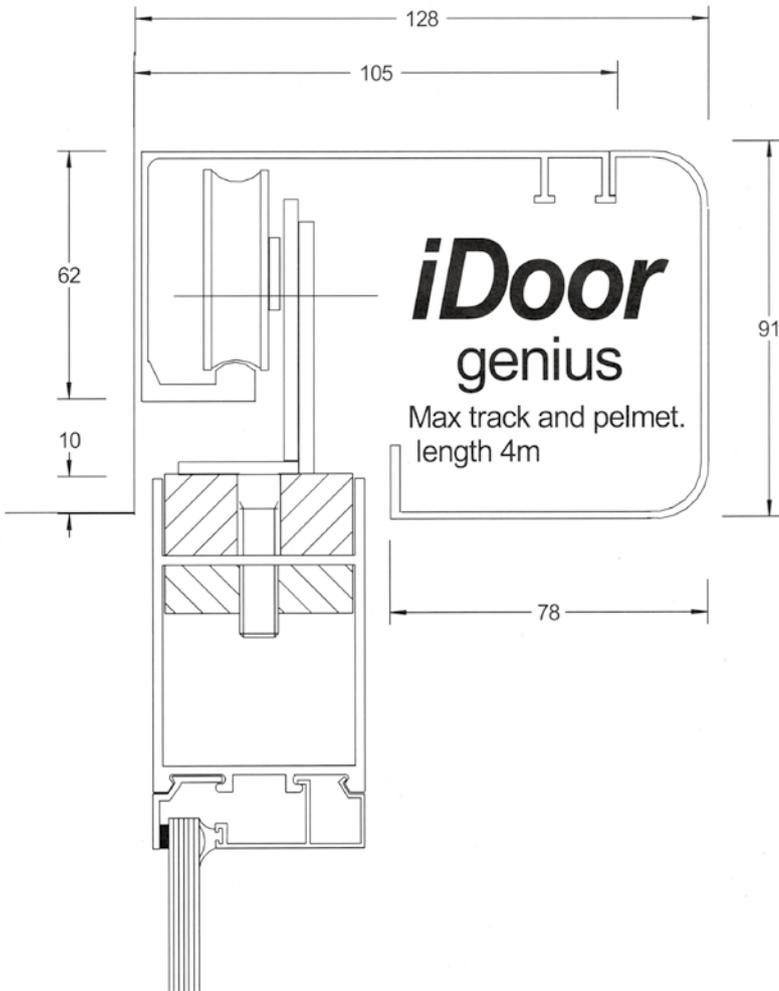
This manual is designed for the installation and commissioning of a iDoor Genius series of automatic sliding doors in compliance with AS5007-2007, this product is designed for use in class 1 & class 10 buildings (houses, sheds & carports).

This manual is prepared for the model of operation that it accompanying's, if it is being used on other models please check our webpage www.idoor.com.au for the latest version.



For backup and support please phone:

**TOLL FREE 1300 2888 675
AUSTRALIA WIDE**



Automatic sliding door for domestic use

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iDoor Genius automatic unit specification and performance parameters

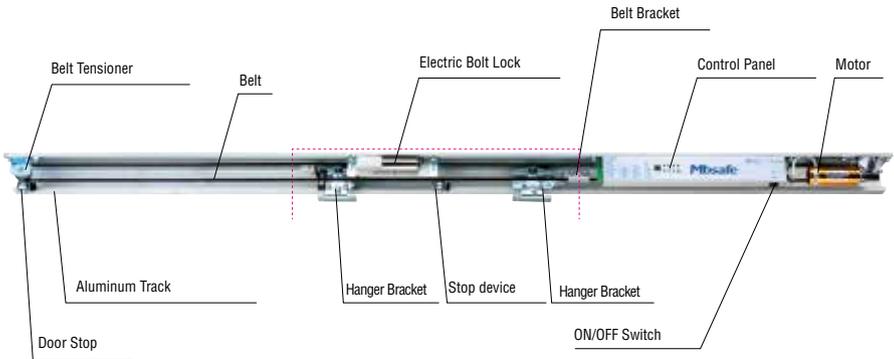
Max track length	4000mm
Max Door opening single side	1500mm
Max Door opening biparter	2000mm
Max Door weight single slide	100kg
Max Door weight biparter	200kg
Opening speed biparter/variable	25-400mm/sec
Closing speed biparter/variable	25-400mm/sec
Dwell time/variable	1-10sec
Manual operating force	<35N
Operator size	99mm H x 124mm W
Failsafe	Optional Extra
Airlock function	Yes
Climate/Pet function (half open)	Yes
Remote control	Optional Extra
Key switch control	Yes
Safety stop in opening mode	Yes
Safety reverse in closing mode	Yes
Fire alarm activation	Yes
Exit only function	Yes
Battery reserve	Optional Extra
Electric locking	Optional Extra
Door monitoring	No
Appliance rating	240 volts 50Hz-60Hz

Surface mounted power equipment parts list

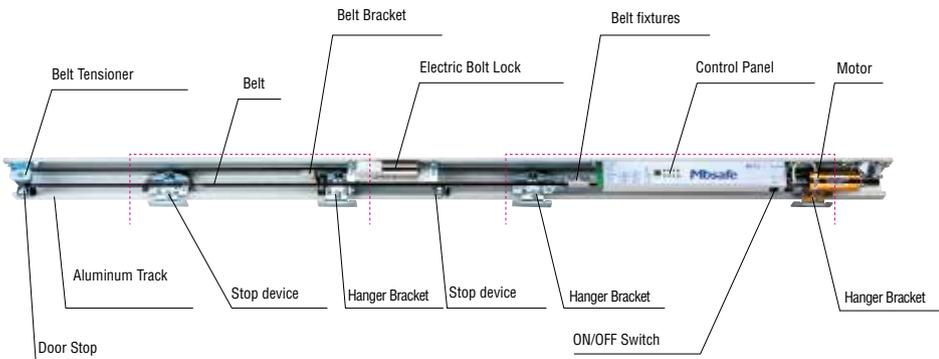
Door open form			Single	Double
Parts name	Component model	Product drawing	Number	Number
Motor	05100902		1	1
Tensioner round	05100802		1	1
Hanger device	05100702		2	4
Belt fixture	05100602		1	1
Belt	05100502		1	1
Belt fixtures	05100402		1	1
Check the device	05100303 05100302		1	2
Control device	05100202		1	1
Beam	5100102		1	1
Electric Lock(optional parts)	5100100		1	1
Belt device mounting screws			1 set	2 set
Warranty,instruction			1	1

Dynamic beam device component installation position

Single Open



Double open



Dynamic beam device component installation position

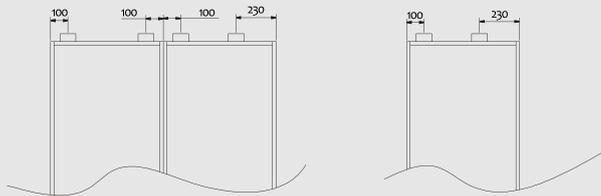
Hanging door

1 Use the included door hanger bracket to install the fixing bolts group to the required location.

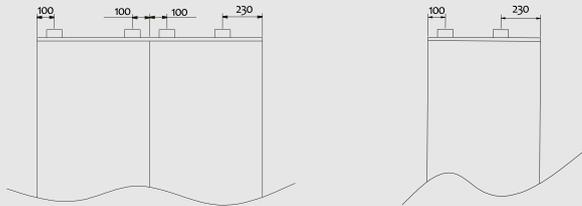
Note: Ensure that the assembly is installed so that the pulley and the hanger bracket belt is aligned correctly. If they are not parallel, it will shorten the life of pulley.

Hanger mounting location

Have box door installation position

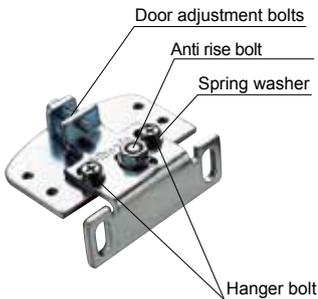


Frameless door hanger installation position

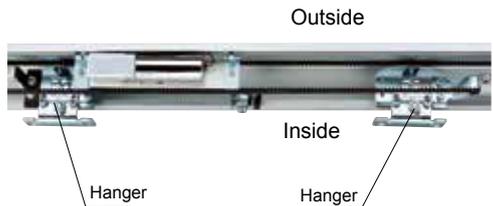


2 Ensure that hanger brackets are not fixed in a twisted condition.

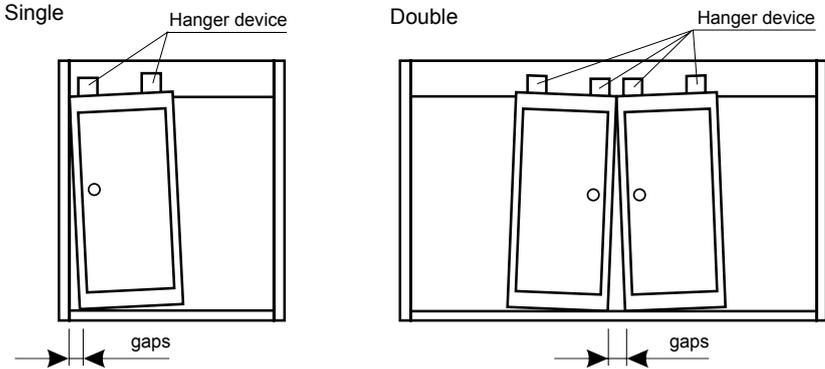
Hanger



Typical biparting door setup



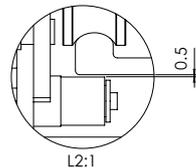
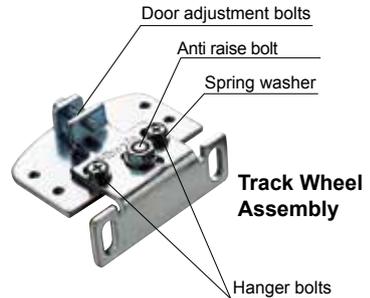
Alignment and height adjustment



To align and raise door follow these instructions

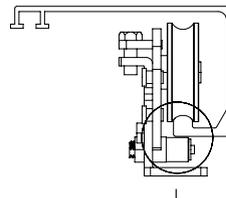
1. Loosen the hanger nut.
2. Adjust the door adjustment bolt to align door:
 - clockwise to lower door.
 - counterclockwise to lift door.
3. Tighten the hanger nut.
4. Check that track wheel assembly runs smoothly along length of track, then tighten antirise bolt so that it is clearing underside of track by 0.5mm.

Note: Make sure the doors move without heavy friction and that anti rise does not touch track.



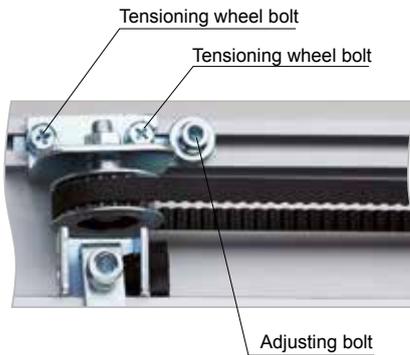
Hanger bracket check list

- 1 Is hanger vertically fixed on the door body.
- 2 Is anti rise bolt well fixed and positioned.
- 3 Check hanger bracket is not rubbing against frame.
- 4 Is the door plume and aligned.



Belt tension adjustment

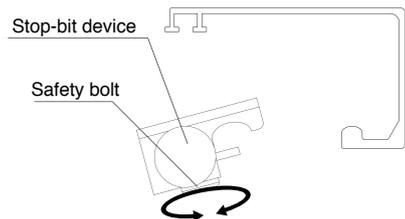
- 1 The tensioner to pull, the belt kept taut, then tighten the adjusting bolt.
- 2 Unscrew tensioning wheel retaining bolt
- 3 With a tool such as a screwdriver pry left tension tension wheel
- 4 Tighten tensioning wheel retaining bolt



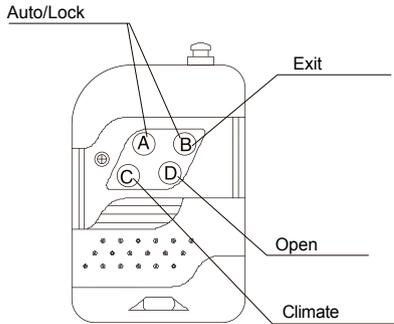
Check the equipment installation

- 1 Unscrew the stopping device mounting bolt.
- 2 The stopping device is embedded into the power beam guide rail. Note: do not hurt the electrical beam guide rail.
- 3 The first move the door to determine the door opening and closing position, and then determine the stopping device position.

Note: set the stop device position, making sure the hanger device encounters a stop for the pad at the end of the door cycle.



The use of remote control (Optional extra)



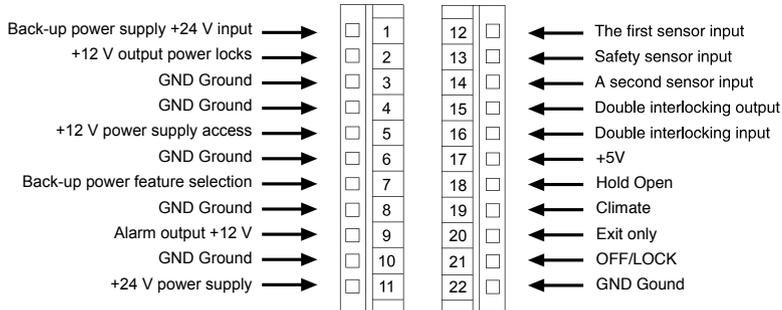
Remote manual

The functional key shows

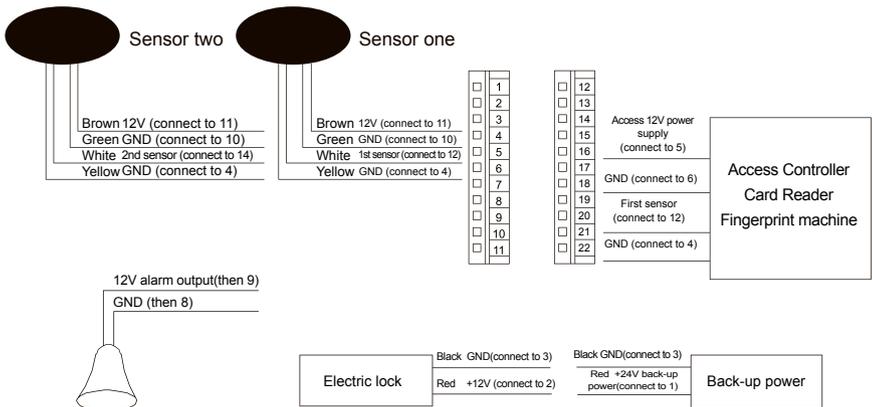
- **Auto/Lock** button: When turned on the door operation will go to the normal day mode with sensors ON allowing pedestrian to use the door. When OFF the door operation allow for manual locking or if fitted with electric lock for door to be securely locked awaiting activation by exit push button or access control system.
- **EXIT**: The external sensor is disabled allowing only operation from interior
- **OPEN**: The doors stay open allowing access or removal of furniture or cleaning.
- **CLIMATE**: The doors opening is restricted to a preset half opening to allow pets access, restrict A/C loss or reduce wind penetration.

Multi-functional connection port

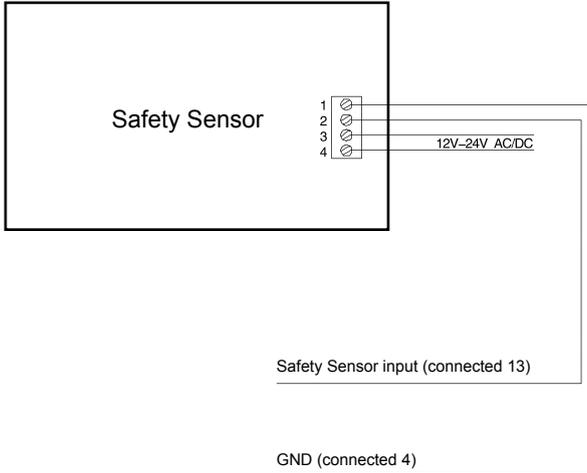
Basic shape



Wiring Method

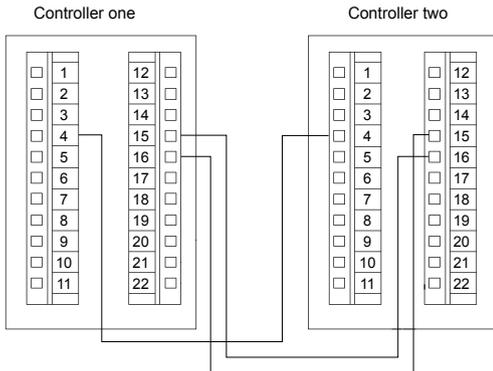


Safety Sensor Connection



Note: If no safety circuit is used a bridge is required between terminal & +13.

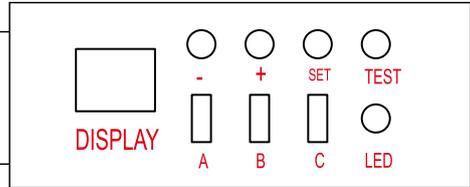
Two-door interlock connection



Parameter Adjustment of Settings

Display Panel

A: Door opening direction selector switch
B: A second sensor switch ----- selector switch sensor and secondary sensor
C: Closed lock switch -----switch lock pull close to the top of each
LED: ----- sensor signal light signal light



TEST: After pressing the test button ----- is the equivalent of a door sensor 1 signal input, the door will opened.

Display: Digital display

-: Decrement button. +: Increment button.

SET: function select button, the corresponding digital display A1-A7.

Parameter adjustment

1. File selection function

After power-on LED display file A1, press the SET key to select functions file, select the range A1 to A7 loop, "A" stands for the function of the currently displayed file. A1 to A7 represent the following meanings:

A1: Opening speed (1 to 32)	A2: Open buffer distance (1 to 32)
A3: Open buffer intensity (1 to 32)	A4: Closing Speed (1 ~ 32)
A5: Close buffer distance (1 to 32)	A6: Closed buffer intensity (1 to 32)
A7: Opening hours (1 to 20)	

2. Adjustment of functions

Press "+" or "-" button to adjust the current function of file parameters, and digital display will indicate the current function parameters, a 2 seconds windows allows adjust of does "+" or "-" key feature of digital control and display the current file (A1 to A7).

3 Parameter adjustment method

(1) Opening and closing speed can be adjusted according to need, but it is speed increased considerably after the buffer distance must be increased to prevent the door banging.

(2) The adjustment of bracket distance and the button power is critical to the smooth effective performance of the door operators. It is important that enough distance be

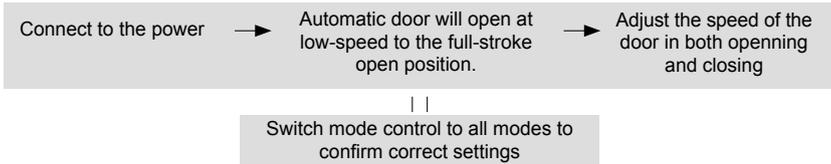
allowed to control heavy doors, equally important is to have enough buffer on the doors so that they close or open efficiently when the added friction of wind load is applied.

Thus the combination of speed, brake distance and buffer is critical to adjust to ensure the door perform to these optimum performance.

(3) Hold time should be set to minimum if sensors are being used but if doors are running on push buttons or remote control the timer should be set higher to ensure that persons using the door have sufficient time to use the doorway safety.

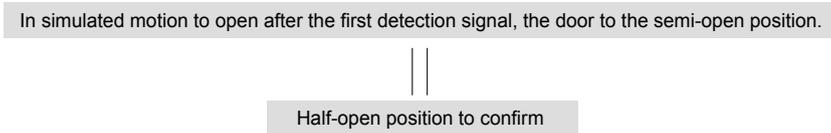
Commissioning Flow Chart

■ Auto mode set up



Note: After power failure the door will always perform a slow cycle to reaffirm preset settings

■ The use climate mode



Note: In the first test signal to open to open and were open state = confirmed half-open position, as the imposition of outside force to imitate people hit the door, it is easy to confirm the wrong location, please note.

■ Climat Control/Safety Hold

- In the closing cycle if an obstacle is encountered the door will rebound.
- After the rebound the door will close before at buffer speed.
- The next cycle the door will bugger at the obstruction position to ensure safety then afterward will return to normal settings.

iGenius®

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