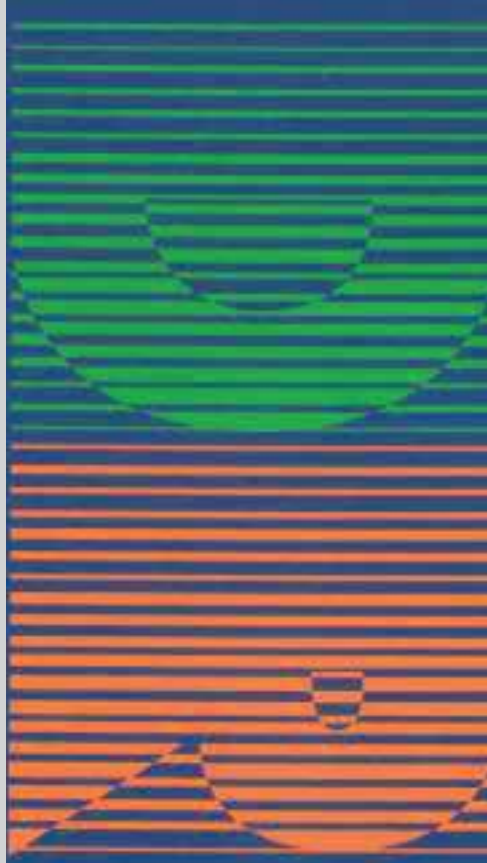


GENERAL CATALOG



dream AUTOMATIC DOOR



MADE IN JAPAN

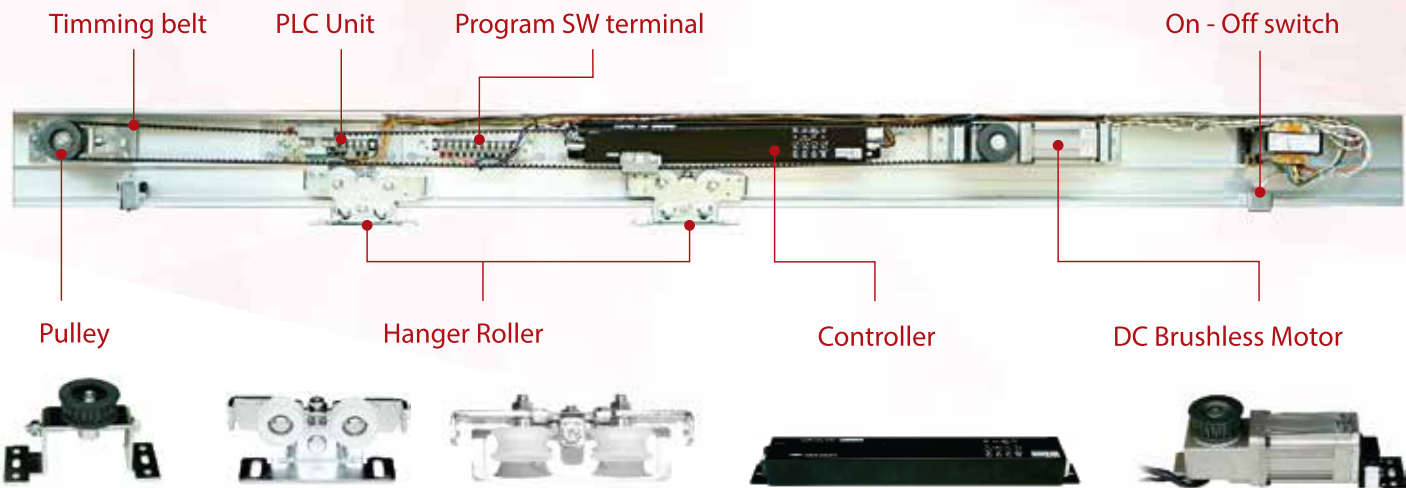


DC-4

Uses a DC brushless motor for quiet and smooth opening and closing operations.

Equipped with "push function", "memory function", "catch return function", "beam switch circuit", and "special function".

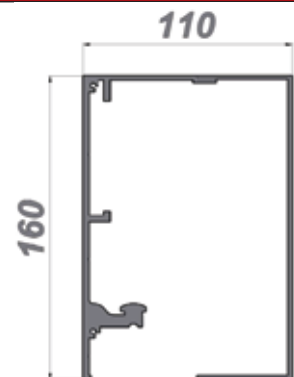
In addition, the rail can be removed from the channel, making it easy to replace the rail in the field.



Features

- Pressing function acts on the fully closed, with press constantly door to the closed side does not leave a gap in the seam of the door by kicking. It is suitable for use in windy places, rail cars and ships where there is a lot of shaking and vibration.
- Memo for storing data, such as a stroke or a brake position of the door to save the data stored in the time of construction by Lee function.
- If the door is stopped by an obstacle during the opening and closing operation, catch door by Chiritan function is inverted.
- The control unit inside of the switch setting various special functions can be used immediately at a constant.

Sectional Plan



Specification

Model Description	Single	Bi-Parting
Door Weight	Up to 150 kg x 1	Up to 120 kg x 2
Channel Length	2000 mm	4000 mm
Opening and closing speed	250-500 mm / sec	250 to 450 mm / sec
Channel	Common to Surface and Concealed	
Upper Rail	2 Kind, for Surface and Concealed	
Power supply	AC100V \pm 10% 50 / 60Hz	
Opening Suspension Time	0 - 10 seconds (Variable)	
Electric Consumption	120W	
Insulation Resistance	10M Ω DC 500V or more	
Dielectric Strength	for 1 minute at AC 1000V	
Driving System	Toothed Belt with 55W DC Brushless Motor	
Manual Opening/Closing Force	30Kgf or less	

1 Silent DC Motor

By adopting a noiseless DC brushless motor, a buzz cannot be heard in press closing or slow moving. Troublesome exchange of the brush is not needed at all. Recommended for apartments, hospitals, etc.

4 Good Door Balance

The door hanging position is available at 120mm for both right and left door edges.
Even a narrow door can travel smoothly and stably.

2 Complete Closing by Press-Closing Function

The engine makes the most use of the features of the DC brushless motor. A press closing function leaves no gap in full closing. The function is especially recommended for ships and trains among others.

Cooling and heating are not affected even on gusty days. Available as well is a function to cancel the press closing function depending on use.

5 Equipped with Memory Function

The controller is equipped with a memory function to record data such as a door stroke and braking position. If the stroke and braking are recorded in the memory at the time of installation, data can be kept even if the power is switched off. When the power is switched on again, the door operates normally on the spot without primary slow moving.

3 Aluminum Channel

Using an aluminum channel, channel cutting can be done much easier. The upper rail is separated from the channel so that rail exchange is more facilitated.

6 Special Functions Fully Equipped

Special functions available are: beam switch, ratchet movement, two-stage stroke, catch-return (stop), energy saving, beam switch cancellation in full closing, 3point switch, self-opening (closing) movement, full opening (closing) signal, chime output, signal for locking (unlocking) electric lock.

Features

- Pressing function acts on the fully closed, with press constantly door to the closed side does not leave a gap in the seam of the door by kicking. It is suitable for use in windy places, rail cars and ships where there is a lot of shaking and vibration.
- Memo for storing data, such as a stroke or a brake position of the door to save the data stored in the time of construction by Lee function.
- If the door is stopped by an obstacle during the opening and closing operation, cash door by Chiritan function is inverted.

DESIGNED FOR QUIET OPERATION

1

The use of a DC brushless motor achieves an extremely quiet operation. Which is the most suitable for use in hospitals and apartments. The motor generates very little sound without a usual humming noise associated with braking or a noise created when the door edges are pressed to close.

PRESSURE CLOSING FOR EXCELLENT SEALING

2

When the door is fully closed, a constant & firm pressure ensures perfect sealing between the two leaves. It is suitable for exposed situations, bringing in excellent energy saving for air-conditioned and heated areas.

ALUMINUM CHANNEL AND RAIL

3

The extruded aluminum channel and cover can be easily cut on site to the size in accordance with opening width exactly, eliminating unsightly gaps. Two types of channels are available: one with channel & rail separate, other with channel & rail combined.

EXCELLENT DOOR STABILITY

4

The door hanging position is available at 120mm for both right and left door edges. Even a narrow door can travel smoothly and stably.

Each hanger incorporates fine adjustment for accurate installation.

MICRO PROCESSOR CONTROLLER WITH MEMORY

5

The distance where the door travels as well as the point where it brakes before fully opening or closing are all stored in the microprocessor. Even if the power is switched off, programming is stored. When the power is switched on, the door travels at the previously set speed without setting again.

CHOICE OF TWO CHANNEL TYPES

6

Two types of channels are available: rail & channel separate type and combined type. Both can be used for concealed and surface mounted types. It is possible to convert the separate type from the concealed type to surface mounted type by simply exchanging the rail. For the combined type, hanging brackets have to be repositioned.

STANDARD SAFETY FEATURES

7

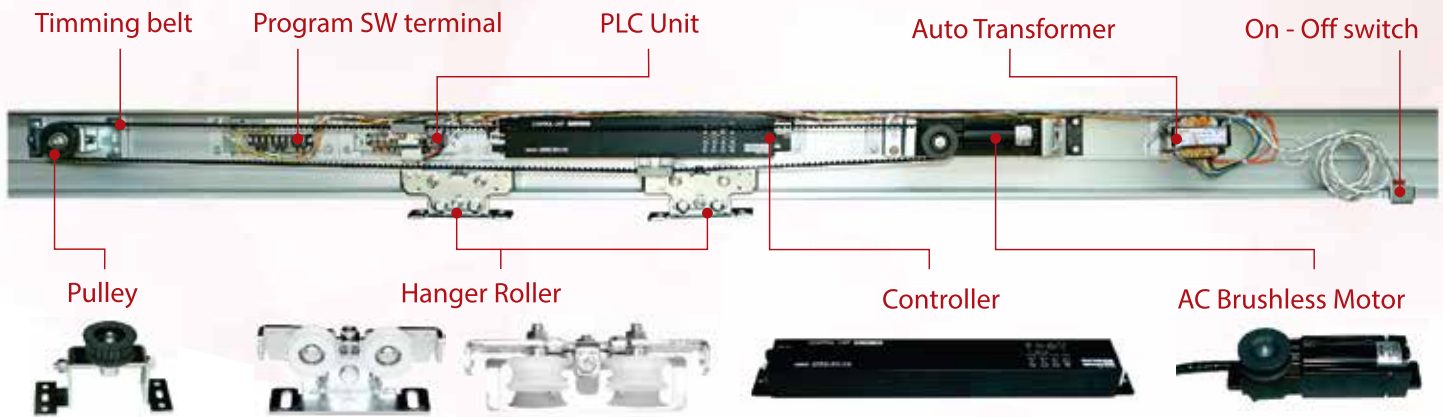
When a person or obstacle is detected by the beam switch while the door is closing, the door reopens and stays there until obstruction is cleared off. When the door hits against a person or an obstacle, it senses resistance and opens again. If obstruction is not removed, the same action will be repeated three times, then the door will stay open so that the doorway can be cleared. This is a standard feature ensuring the highest degree of safety.

DC-5

DC-5 DC Brushless Motor automatic sliding door operator unit is quiet, and smooth by using our special designed Japanese manufactured hardware.

This model for middle weight door up to 80 kg for Single sliding or 75 kg for Bi-parting.

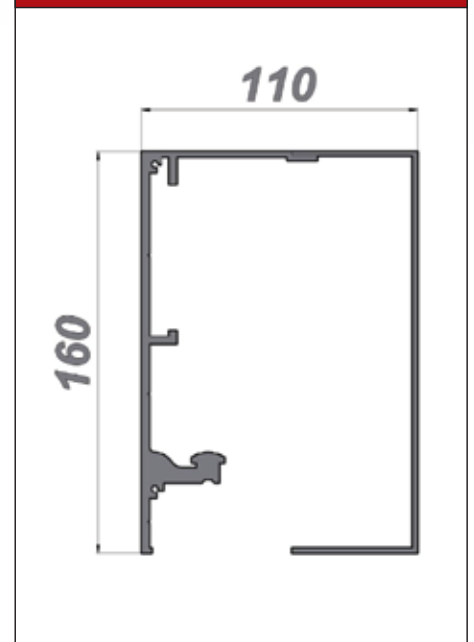
Our automatic door operators are adopted by not only building construction companies, but also, adopted by some Japanese air shower companies and Japanese Hospital equipment companies exporting globally.



Specification

Model Description	Single	Bi-Parting
Door Weight	90kg x 1 or less	85 kg x 2 or less
Channel Length	2000 mm	4000 mm
Opening and closing speed	200-500 mm / sec	200 to 450 mm / sec
Channel	Common to Surface and Concealed	
Power supply	AC100V ± 10% 50 / 60Hz 5A	
Opening Suspension Time	0 - 10 seconds (Variable)	
Electric Consumption	100W	
Insulation Resistance	10MΩ DC 500V or more	
Dielectric Strength	for 1 minute at AC 1000V	
Driving System	40W Brushless AC motor through Toothed Belt	
Manual Opening/Closing Force	30Kgf or less	

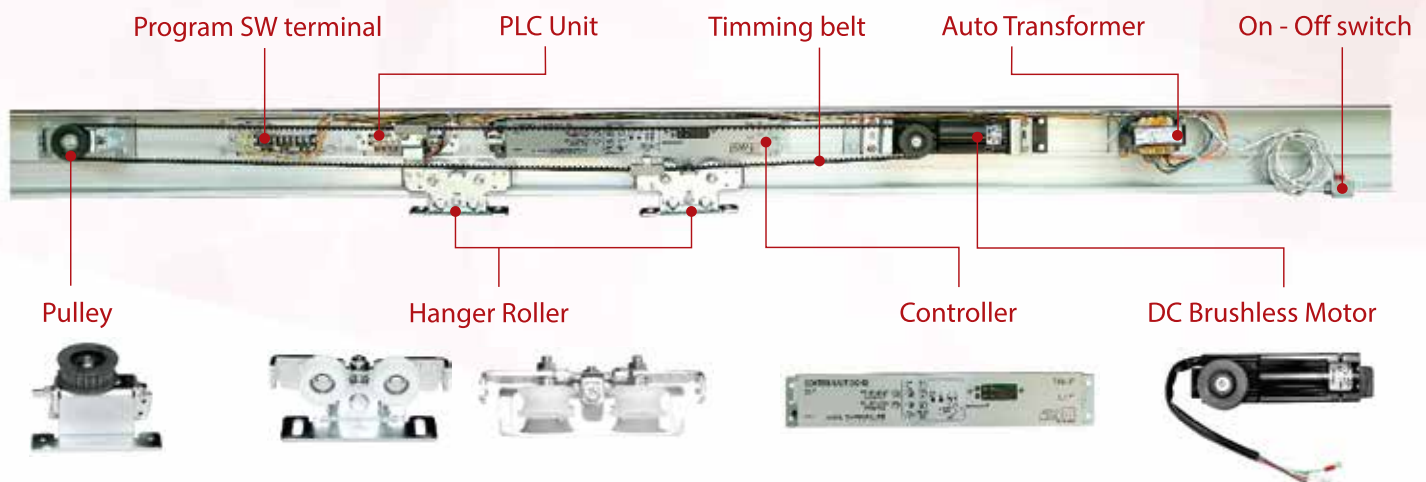
Sectional Plan



DC-55

By adopting a high-performance DC brushless motor, it is extremely quiet, and there is no humming sound when pushing it all the way down.

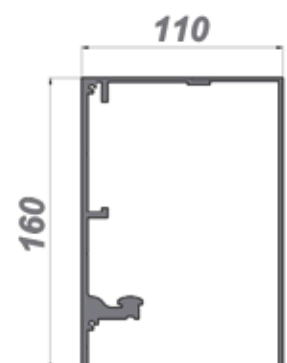
The opening / closing speed and closing force can be adjusted according to the installation situation, and a function with safety in mind has been added.



Features

- Pressing function acts on the fully closed, with press constantly door to the closed side does not leave a gap in the seam of the door by kicking. It is also suitable for places with strong winds and lots of shaking and vibration.
- If the door stops due to an obstacle during opening / closing, the catch return function reverses the door when closed and stops at that position when opened to prevent damage to fittings.
- The belt for the door drive, using the strong and toothed belt with less growth and for, also or the motor unit has adopted the reduction gear integrated so be, frequency of after-sales maintenance such as inspection and replacement of the belt has been reduced.
- Learning function and read the opening and closing stroke, memory function, automatic auxiliary positive function, opening and closing speed adjustment, such as overload detection function, instrumentation many of the features we have Bei.
- In addition, self-diagnosis is performed by the alarm function, and if an abnormality occurs, maintenance can be performed quickly.

Sectional Plan



Specification		
Model Description	Single	Bi-Parting
Door Weight	75 kg x 1 or less	60 kg x 2 or less
Channel Length	2000 mm	4000 mm
Opening and Closing Speed	165 - 500 mm / sec	
Closing Force	Approx. 130N or less (Variable)	
Channel	Common to Surface and Concealed	
Power Supply	AC100V ± 10% 50 / 60Hz 5A	
Opening Suspension Time	0 - 9 seconds (Variable)	
Electric Consumption	50W	
Insulation Resistance	Over DC 500V 10 MΩ	
Dielectric Strength	for 1 minute at AC 1000V	
Driving System	30W Brushless AC motor through Toothed Belt	
Manual Opening/Closing Force	30N or less	

EQUIPPED WITH VARIOUS FUNCTIONS

1

The operator has various functions such as self-learning for opening/closing stroke, memory, automatic correction, opening/closing speed adjustment, overload detection, self-diagnosis (alarm) among others with a 16 bit microprocessor.

COMPLETE CLOSING BY PRESS-CLOSING FUNCTION

2

A press closing function leaves no gap in full closing.

PROTECTION FROM OBSTACLE

3

When the door is stopped by an obstacle etc., an overload detecting function is activated (Catch-return, Catch-stop), the door automatically inverts or stops on the spot so that damage to fixtures can be prevented.

SAFETY SYSTEM

4

The opening/closing speed can be adjusted depending on the situation of installation sites. Detailed setting is available for an overload detecting function.

SILENT DC MOTOR

5

A silent DC brushless motor is used. It is quiet and no buzzing is heard during press closing or slow moving.



DC-10A

A compact DC motor unit with high power and high functionality. It is a high-power specification that allows large heavy-duty doors to operate smoothly, making full use of the features of the highly functional and highly functional DC-4 type that combine high reliability and durability.

Specification		
Model Description	Single	Bi-Parting
Door Weight	200 kg x 1	150 kg x 2 or less
Channel Length	2000 mm	4000 mm
Opening and Closing Speed	400 mm / sec	
Power Supply	AC100V \pm 10% 50 / 60Hz 7A	
Opening Suspension Time	0 - 10 seconds (Variable)	
Driving System	150W DC brushless motor Toothed Belt drive	
Auxiliary sensor section	According to DC-4	

Features

- Hanger rail and tree made of even hard aluminum, yet for a heavy door.
- Aburatsukuruma set has been standardized.
- Since the control unit is unitized, construction and maintenance are easy.



DC-10B

The DC-150W brushless motor is adopted to realize the quietness and smooth operation which are not available in the conventional factory.

The control unit also has various functions, enabling easy connection with various functions in the factory.

It is also ideal for heavy doors in large buildings and hospitals, using the upper iron hanger rails and iron suspension kit with Dream automatic door designation.

Specification		
Drive Part		
Model Description	DC-10B-S single pull	DC-10B-SS double pull
Door Weight	450 kg or less x 1 piece	300kg or less x 2
Opening and Closing Speed	250 - 400 mm / sec	
Power Supply	AC100V ± 10% 50 / 60Hz 7A	
Opening Suspension Time	0 - 10 seconds (Variable)	
Driving System	150W DC brushless motor Toothed Belt drive	
Beam Switch Part		
According to DC-4		



DCR-5 CURVED DOOR



The curved door offers a high-class entrance.

The DCR-5 has 1/4 and 1/2 circles with the radil of 1200R and 1500R as standards and special radil are available as well.

A wind break room can be formed with 2 units of 1/2 circle operators or various designs suitable for buildings can be created with several operators.

The system has the same function as the DC-4.

Specification		
Model Description	1/4 Circle	1/2 Circle
	Single	Bi-Parting
Door Weight	100 kg x 1	80 kg x 2
Standard Radius	1200R and 1500R	
Opening / Closing Speed	250 - 500 mm/sec	250 - 450 mm/sec
Power Supply	AC100V ± 10% 50 / 60Hz 5A	
Opening Suspension Time	0 - 10 seconds (Variable)	
Electric Consumption	120W	
Driving System	55W DC brushless motor through Toothed Belt	
Manual Opening/Closing Force	50N or less	
Standard Function	Catch - Return, other function	
Option	Battery backup unit, electric lock, input and output terminals	

*A full circle is made with 2 units of 1/2 circle operations.

WS DOUBLE SLIDING DOOR



The structure is such that two doors are pulled into a door pocket for one door, so you can make the most of the limited space and get an opening that is about 1.5 times larger than a normal sliding door. Since the motor and control unit are common with "DC-4" and "DC-5", all the features of "DC-4" and "DC-5" are fully utilized, and "DC-4" and "DC-5" are also equipped. All the features you have are available in the same way.

Specification			
Model Description		DC-5A-WS One-sided pulling	DC-10B-SS double pull
Drive Dynamic Part	Door Weight	70 kg or less x 2	50 kg or less x 4
	Channel Length	2500 mm	5000 mm
	Opening and Closing Speed	200-450 mm / sec	200-350mm / sec
	Power Supply	AC100V ± 10% 50 / 60Hz 5A	
	Opening Suspension Time	0 - 10 seconds (Variable)	
	Electric Consumption	100W	
	Driving System	40W DC brushlessmotor toothed belt drive	
	Manual Opening/Closing Force	35N or less	
Auxiliary aids cell down service parts	Detection Method	Transparent	
	Emitter Element	Infrared light emitting diode	
	Light Receiving Element	Photo transistor	
	Set Distance	8m or less	
	Response Time	Light-shielded: 30 msec or less Light-received: 1 sec or less	
Standard Equipment		Catch return function / auxiliary sensor circuit	
Option		Electric lock, power failure drive, various signal outputs	

Specification			
Model Description		DC-4A-WS One-Sided Pulling	DC-4A-WSS Draw
Drive Dynamic Part	Door Weight	90 kg or less x 2	80 kg or less x 4
	Channel Length	2500 mm	5000 mm
	Opening and Closing Speed	200-450 mm / sec	200-400mm / sec
	Power Supply	AC100V ± 10% 50 / 60Hz 5A	
	Opening Suspension Time	0 - 10 seconds (Variable)	
	Electric Consumption	120W	
	Driving System	55W DC brushlessmotor toothed belt drive	
	Manual Opening/Closing Force	35N or less	
Auxiliary aids cell down service parts	Detection Method	Transparent	
	Emitter Element	Infrared light emitting diode	
	Light Receiving Element	Photo transistor	
	Set Distance	8m or less	
	Response Time	Light-shielded: 30 msec or less Light-received: 1 sec or less	
Standard Equipment		Catch return function / Auxiliary sensor circuit Various special operations	
Option		Electric lock, power failure drive, various signal outputs	

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