



Excellene in Automatic Door Solutions

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About us



RITS-N is acronym for Radio Information Technology System-Network.
Since 1995, we have been manufacturing and leading the access control system such as automatic sliding door control system and parking bar-gate control system.

Started with overhead door remote control system in 1996,
we developed vehicle detector, automatic sliding door sensors and switches.

Over years of innovation, development, and commitment to 'High Quality', 'Cost Efficient', and 'Eco-Friendly', we always strive to be the technology pioneers of the access control system.

All the employees and executives of RITS-N Co., Ltd

Global network

Based on 'High Quality', 'Cost Efficient', and 'Eco-Friendly' products, our actual exports keep rising since the first export. With responsibility that we provide 100% of safety and reliable products to our partners, we have more than 60% of our local market share in Korea and also have 28 countries global partners now.



Parts & Feature



Dual safety

Auto reverse
/ Built in safety beam

Reliability

Passed 1 million
cycles test

High efficiency



Motor [60W/90W]

- Long durability and quiet operation
- Built in motor locking device(optional)
- High efficiency gear motor



Controller

- Self monitoring system & digital setting
- Built in safety beam terminal (optional)
- Suitable for 60W & 90W motor
- Adjustable partial opening width & opening hold time
- Failsafe safety reverse feature



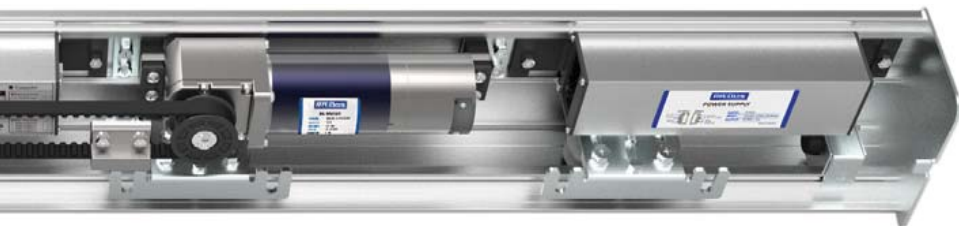
Idle pulley

- Low noise design
- Adjustable belt tension



Timing belt

- Low noise & smoother quality
- Long durability teeth belting



Low noise

**Easy
installation**

**Self error
monitor**

Hanger roller [standard type]

- Optimized low running noise and strong durability design
- Derailment prevention structure
- Door vertical height adjust design



Hanger roller [Heavy duty type]

- Optimized low running noise and strong durability design
- Derailment prevention structure
- Door vertical height adjust design



Transformer

- Transformer coupling with ON/OFF switch
- Input - AC220V (60Hz)
- Output - AC 24V / 3A



SMPS

- Input - AC100V ~ 240V (50~60Hz)
- Output - DC27V / 5A
- Slim and lighter than the existing linear method.
- Highly efficient, and has low electricity consumption while stand by



Specification



Technical specifications RITS-N H180 Automatic Sliding Door Operator Set (Bi-Parting)

TYPE	SINGLE LEAF	DOUBLE LEAVES
MODEL	RITS-N H180	RITS-N H180
POWER SUPPLY	AC 220V (60Hz)	
CONTROLLER	Micro-Processor Control	
DC GEAR MOTOR	DC 24V 60W Gear Motor	
DRIVE	S8M Timing Belt	
MAXIMUM DOOR WEIGHT	120Kg X 1	80Kg X 2
MAX DOOR WEIGHT (with heavy duty hanger roller)	180Kg X 1	120Kg X 2
OPENING SPEED	350 mm ~ 1000 mm / sec (Adjustable)	
CLOSING SPEED	150 mm ~ 850 mm sec (Adjustable)	
MIN~MAX CLEAR WIDTH	700mm ~ 1500 mm X 1	700mm ~ 1500 mm X 2
HOLD OPEN TIME	0~20 sec	
SAFETY FUNCTION	Safety reverse	
AMBIENT TEMP	-20°C ~ +50°C	

Technical specifications RITS-N H200 Automatic Sliding Door Operator Set (Bi-Parting)

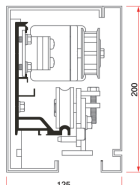
TYPE	SINGLE LEAF	DOUBLE LEAVES
MODEL	RITS-N H200	RITS-N H200
POWER SUPPLY	AC 220V (60Hz)	
CONTROLLER	Micro-Processor Control	
DC GEAR MOTOR	DC 24V 90W Gear Motor	
DRIVE	S8M Timing Belt	
MAXIMUM DOOR WEIGHT	150Kg X 1	100Kg X 2
MAX DOOR WEIGHT (with heavy duty hanger roller)	200Kg X 1	150Kg X 2
OPENING SPEED	350 mm ~ 1000 mm / sec (Adjustable)	
CLOSING SPEED	150 mm ~ 850 mm sec (Adjustable)	
MIN~MAX CLEAR WIDTH	700mm ~ 1500 mm X 1	700mm ~ 1500 mm X 2
HOLD OPEN TIME	0~20 sec	
SAFETY FUNCTION	Safety reverse	
AMBIENT TEMP	-20°C ~ +50°C	

Rail

Aluminum profile

Various design of rail for different applications
Suitable for both industrial heavy door & commercial door

Concealed F Type



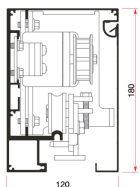
Technical specifications 60W

TYPE	SINGLE	DOUBLE
MODEL	RITS-N H180	RITS-N H180
DOOR WEIGHT	120Kg	80kg x 2
MAX DOOR WEIGHT (with heavy duty hanger roller)	180Kg	120kg x 2
OPTION	Lock / Non-Lock motor	

Technical specifications 90W

TYPE	SINGLE	DOUBLE
MODEL	RITS-N H200	RITS-N H200
DOOR WEIGHT	150kg	100kg x 2
MAX DOOR WEIGHT (with heavy duty hanger roller)	200kg	150kg x 2
OPTION	Lock / Non-Lock motor	

Wall mount WA Type



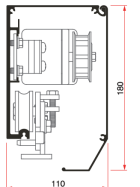
Technical specifications 60W

TYPE	SINGLE	DOUBLE
MODEL	RITS-N H180	RITS-N H180
DOOR WEIGHT	120Kg	80kg x 2
MAX DOOR WEIGHT (with heavy duty hanger roller)	180Kg	120kg x 2
OPTION	Lock / Non-Lock motor	

Technical specifications 90W

TYPE	SINGLE	DOUBLE
MODEL	RITS-N H200	RITS-N H200
DOOR WEIGHT	150kg	100kg x 2
MAX DOOR WEIGHT (with heavy duty hanger roller)	200kg	150kg x 2
OPTION	Lock / Non-Lock motor	

Wall mount WB Type



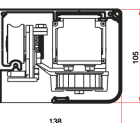
Technical specifications 60W

TYPE	SINGLE	DOUBLE
MODEL	RITS-N H180	RITS-N H180
DOOR WEIGHT	120Kg	80kg x 2
MAX DOOR WEIGHT (with heavy duty hanger roller)	180Kg	120kg x 2
OPTION	Lock / Non-Lock motor	

Technical specifications 90W

TYPE	SINGLE	DOUBLE
MODEL	RITS-N H200	RITS-N H200
DOOR WEIGHT	150kg	100kg x 2
MAX DOOR WEIGHT (with heavy duty hanger roller)	200kg	150kg x 2
OPTION	Lock / Non-Lock motor	

Wall mount WC Type



Technical specifications 60W

TYPE	SINGLE	DOUBLE
MODEL	RITS-N H180	RITS-N H180
DOOR WEIGHT	110kg	70kg x 2
MAX DOOR WEIGHT (with heavy duty hanger roller)	150kg	100kg x 2
OPTION	Lock / Non-Lock motor	

Technical specifications 90W

TYPE	SINGLE	DOUBLE
MODEL	RITS-N H200	RITS-N H200
DOOR WEIGHT	130kg x 2	90kg x 2
MAX DOOR WEIGHT (with heavy duty hanger roller)	180kg	135kg x 2
OPTION	Lock / Non-Lock motor	

Telescopic system

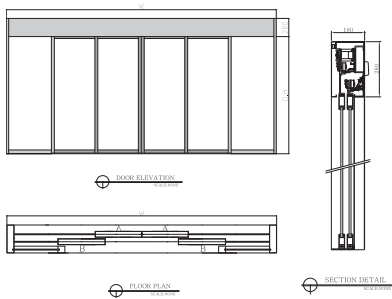


Feature

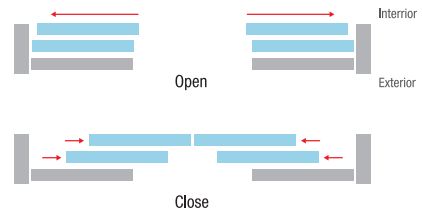
The entrance space can be fully utilized even with the limited and narrow space. Since two doors are simultaneously opened/closed toward same direction, the speed of opening/closing is fast, and the other space can be used as much as possible. It is available to design not only double, but also, triple and quadruple type

TYPE	SINGLE	DOUBLE
MODEL	RIST-N-300F-S	RIST-N-300F-D
MOTOR	DC 24V 90W	
DOOR WEIGHT	80Kg x 2	60Kg x 4
OPTION	Lock motor / Non-lock motor	

Drawing



Detailed view



Panic system

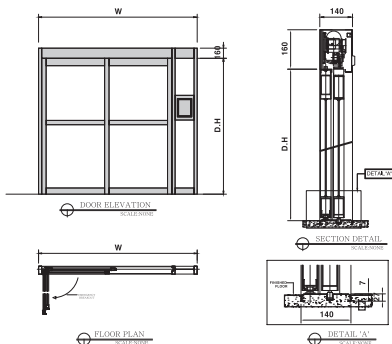


Feature

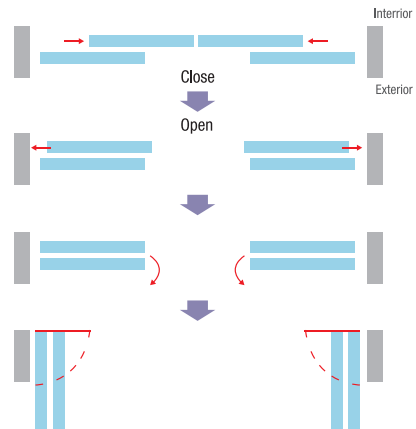
This is the best automatic door suitable for the main gate of large supermarkets, or apartments or villas where unmanned security is necessary as well as general buildings. It is designed to expand the open area in case of fire or emergency to easily escape or move large size freight for safe and more convenient usage. It can be used as a sliding automatic door in normal situations. In case of fire or emergency, the door can be pushed to the fixed window and opened by 90 degree angle. So it can be conveniently used according to the purpose.

TYPE	SINGLE	DOUBLE
MODEL	RIST-N 500F-S	RIST-N 500F-D
MOTOR	DC 24V 90W	
DOOR WEIGHT	80Kg	80Kg x 2
OPTION	Lock motor / Non-lock motor	

Drawing



Detailed view



Curve system

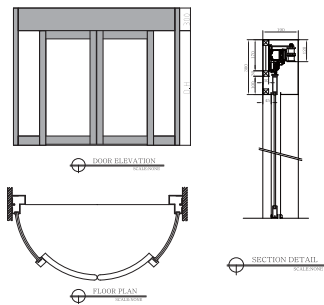


Feature

If installed at the entrance of a building, it forms a round-type curve and magnificent space beauty. The durability is high and the operation is smooth. Since it raises the effect of heating / cooling, it can maximize the efficiency of heat management.

TYPE	SINGLE	DOUBLE
MODEL	RIST-N 700F-S	RIST-N 700F-D
MOTOR	DC 24V 90W	
DOOR WEIGHT	80Kg	60Kg x 2
OPTION	Lock motor / Non-lock motor	
RADIUS	Min 1600	

Drawing



Detailed view



Heavy duty industrial system

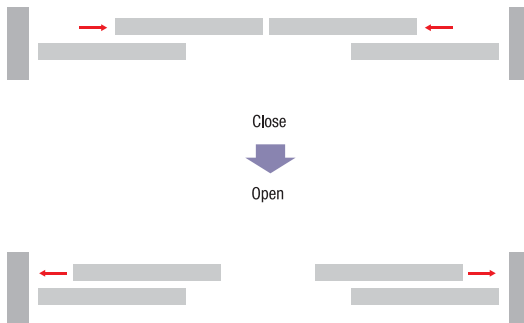


Feature

This is an automatic door which makes heavy weight door opened/closed. It is mainly used in factories and warehouses. With micro processor control, it is designed to block irregular external conditions such as external wind pressure, insulation and noise. The multi-functional opening/closing function can be adjusted according to the site. This is an essential automatic door for logistics and factory automation to increase productivity, and an industrial automatic door suitable for large warehouses and buildings.

TYPE	SINGLE	DOUBLE
MODEL	RIST-N 900F-S	RIST-N 900F-D
DOOR WEIGHT	200kg	120kg x 2
OPTION	Lock motor / Non-lock motor	

Detailed view



Semi system

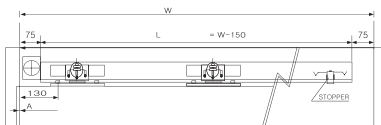


Feature

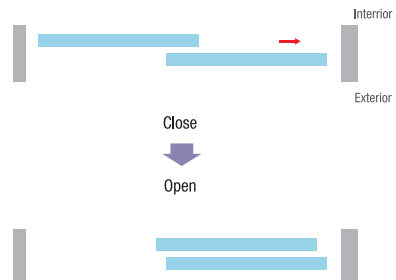
- Simple installation
- Provides silent motion
- Non-electricity makes eco-friendly and economic door closer without energy consumption.
- Suitable to install in nursing home, Disabled person's home and hospitals. Adoption of air damper provides shock-resistant and controls closing speed of auto door.
- Adoption of hanger available to control height of door.

TYPE	SINGLE
MODEL	RIST-N 100-SA
DOOR WEIGHT	60Kg
DOOR WIDTH	Min 750mm ~ 1200mm
OPTION	Air damper type

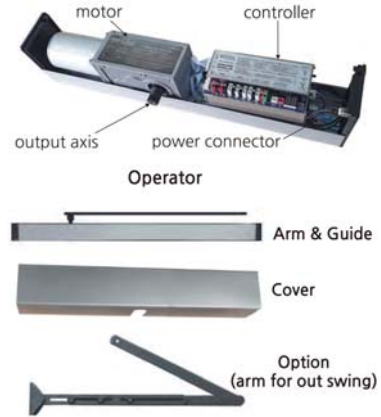
Drawing



Detailed view



Swing system

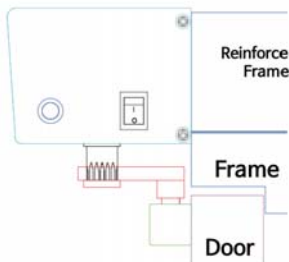


Feature

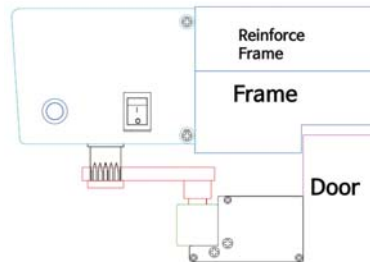
- CE, KC certification
- With BLDC motor : High energy efficiency, constant power, low noise, eco-friendly
- 32bit New Micro-process Controller : Various functions
- Firefighting function : Fire terminal built-in (UPS option)
- Master and slave function for double door
- Interlock function
- Toggle function
- Mode S/W(program S/W) applied
- Upper sensor can be attached to the opening direction
- Hold open S/W built-in

TYPE	SINGLE	DOUBLE
MODEL	RIST-N 902	
Operator Size	490 x 120 x 75 (mm)	
POWER	AC 220 V	
Door Width	Min. 660mm / Max. 1350mm	
Motor	BLDC 65W	
DOOR WEIGHT	80kg (Max.100kg)	80kg x 2 (Max. 200kg)

Inswing drawing



Outswing drawing



Hermetic door system

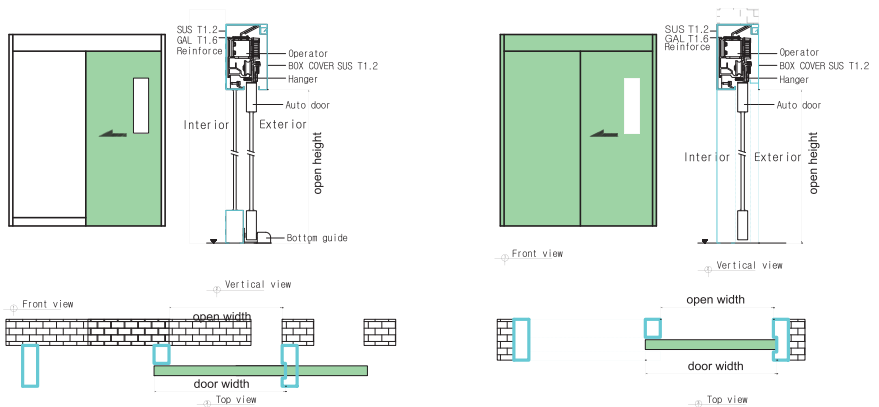


Feature

This Hermetic sliding door is especially designed for use in hospital operation room, X-ray room, laboratories, clean room environments where clean, hygienic, sealing doors are required.

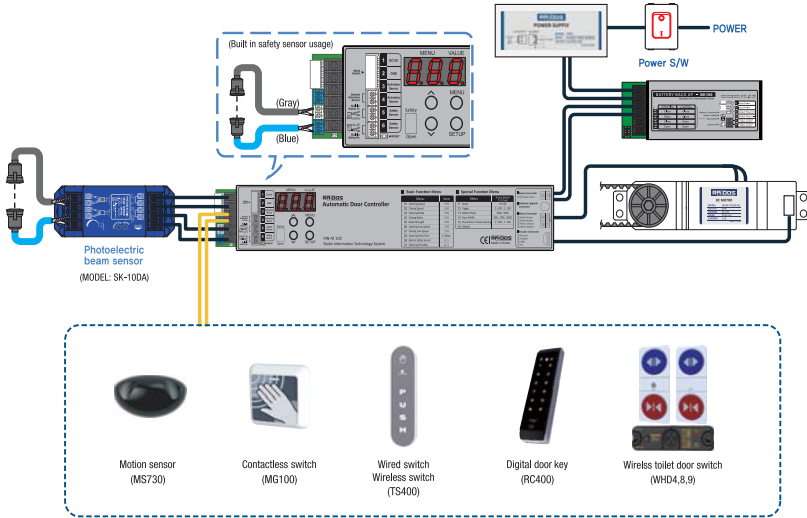
TYPE	SINGLE	DOUBLE
MODEL	RIST-N 100F-S	RIST-N 100F-D
MOTOR	DC 24V 90W	
DOOR WEIGHT	150Kg	100Kg x 2
MAX DOOR WEIGHT (with heavy duty hanger roller)	200Kg	150Kg x 2
OPTION	Lock motor / Non-lock motor	

Drawing



Wiring diagram & Controller setting

Automatic door wiring diagram



Automatic door controller function and setting guide

Function switch connector

External: Mode Switch, Outside Activation Sensor, Built-In Safety Tx (GRAY), Built-In Safety Rx (BLUE)

Internal: 1 DC12V, 2 GND, 3 Activation Sensor, 4 Activation Sensor, 5 Safety Sensor, 6 Safety Sensor, RESET, Open, Safety

Basic Function Menu
(Press menu to different mode and press up or down to adjust value)

- Opening speed
- Closing speed
- Opening brake
- Closing brake
- Brake strength
- Opening low speed
- Closing low speed
- Opening hold time
- Built-in safety sensor
- Opening direction

Special Function Menu
(Press setup (3Sec) to different mode and press up or down to adjust value)

- Reset (Basic mode 1~8 only)
- Toggle (OFF/ON)
- Motor power 60W / 90W
- Opening door width 50%, 70%, 100%
- Prevention of door opening
- Default

Semi-automatic sliding door operator

General features

Sliding door system opened manually, and closed automatically

- Need not electric power
- Safe closing by air brake system
- Any time, Keep closing(as applicable, keep opening)

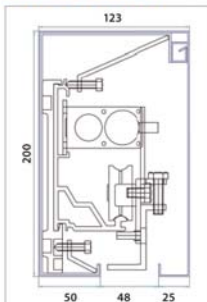
Specification

Description	Model	RIST-N 600SA	RIST-N 700WSA	RIST-N 700HSA
Door weight		Max. 80kg	Max. 100kg	Max. 120kg
Door width Max		Max. 1350mm	Max. 2500mm	Max. 1500mm
Operator installation space		Min. 140mm	Min. 180mm	Min. 180mm
Opening force		17N ↓	22N ↓	22N ↓
Driving type		Spral spring	Coil spring	Coil spring
Braking type		Air cylinder	Air cylinder	Air cylinder
Rail type		Al Rail + hanger roller	Al Rail + hanger roller	Al Rail + hanger roller
Remarks		Enclosed type	Wide door	Heavy door

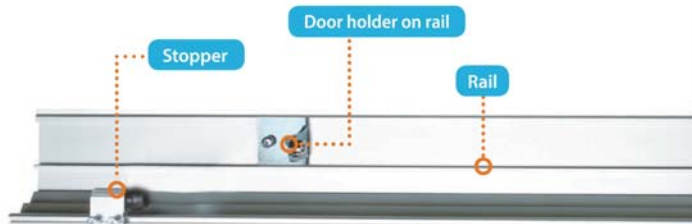
RIST-N 600SA



► Cross section



RIST-N 700SA



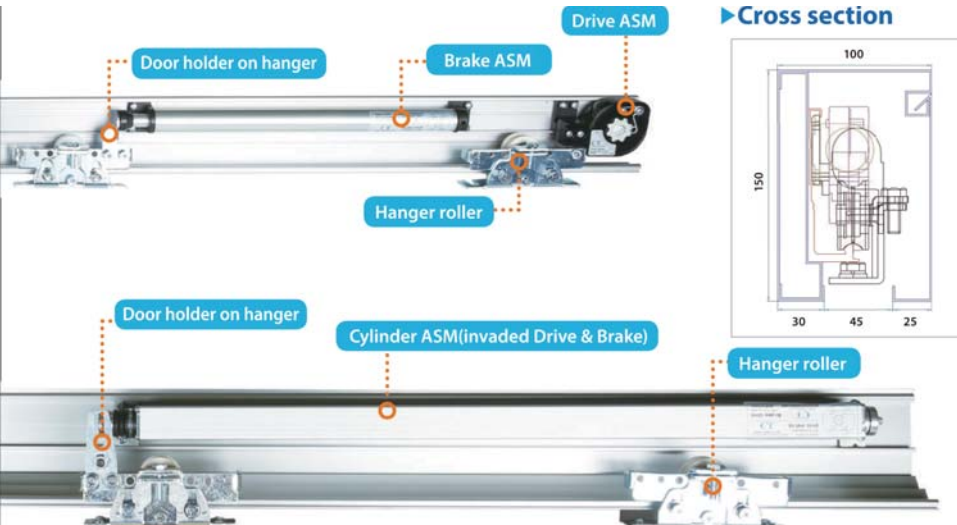


- Class room door



- Sick ward door (single wing)

RIST-N 806A	RIST-N 906A	RIST-N 907SA	RIST-N 610SA
Max.60kg	Max.80kg	Max.120kg	Max.80kg
Max.1350mm	Max.1350mm	Max.2000mm	Max.1350mm
Min.150mm	Min.110mm	Min.150mm	Min.135mm
15N ↓	17N ↓	22N ↓	17N ↓
Spral spring	Spral spring	Coil spring	Spral spring
Air cylinder	Air cylinder	Air cylinder	Oil Brake
Ball slide Rail	Al Rail & Cover+door hanger roller		Al Rail & Cover+door hanger roller
Enclosed type	Wall mounting type		Enclosed type



Semi-automatic sliding door operator

Features

- Sliding by hanger roller
- Al. rail(Al.6063 T5)
- Automatic closing by driving system using spring
- Safe and smooth closing by air brake system using air cylinder
- Application : sick ward door, rest room for the handicapped, etc

RIST-N 806SA

- Rail is ball sliding type like accu-rail



RIST-N 906SA

- Direct attachment type with al. cover

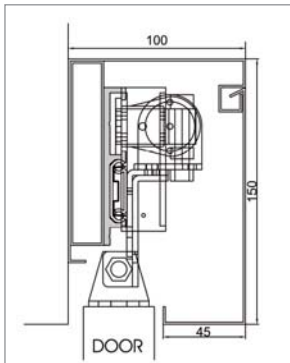


RIST-N 907SA

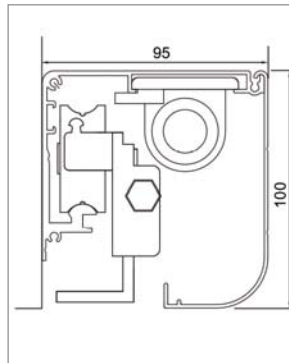
- Direct attachment type with al. cover



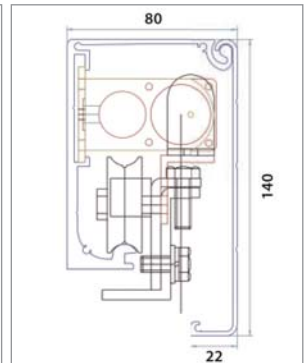
Cross section



RIST-N-806SA



RIST-N-906SA



RIST-N-907SA

Semi-automatic door operator with oil brake, it can be closed enclosed type or wail mounting type

RIST-N 806SA



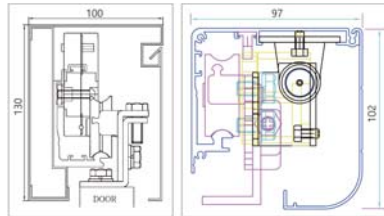
RIST-N 806SA



Features

- Sliding door system opened manually, and closed automatically
- Safe and smooth opening and closing by oil brake system
- Automatic closing by driving system using spiral spring
- Braking system for open direction

Cross section



RADOS - 610SA

RADOS - 916SA

Specification

Description	Model	RIST-N 610SA	RIST-N 916SA
Door weight Max			Max. 80kg
Door width Max			Max. 1350mm
Operator Installation space			Min. 110mm
Driving type			Spiral spring
Braking type			Oil Brake
Remarks		Enclosed type	Wall mounting type



Slim door



Sick ward door



Class room door


Total solution for automatic door

Accessories



Combined sensor (Microwave & Infrared)

This is the most advanced dual technology activation and monitored safety sensor




Microwave motion sensor

The microwave motion sensor is installed at an automatic door and senses the motion of a man or an object to open and close




Wired / Wireless touch switch

High-sensitivity FM wireless touch switch designed to open and close an automatic door



Contactless switch

The proximity sensor is to open and close automatic door when a hand is close to the front



Photoelectric beam sensor

The safety sensor opens and closes again an automatic door if there is an object that is sensed in an instant when it is operated

[Single beam]

[Double beam]





Automatic door controller

As a self-error monitoring controller, it is smart and reliable to drive different power motor without changing of controller



FM Transmitter / Receiver

Multi-purpose, high-sensitivity and high-performance FM transmitter and receiver to control automatic shutter, sliding door, overhead door, cylindrical motor, and other similar devices from a distance



Wired digital door key

The digital door key is designed to automatically open the door by pressing secret access numbers or making an ID card close to it at every entrance through an automatic door



Wired/wireless automated toilet door switch

This automatic door switch is installed at the entrance and in the inside of a toilet for the physically challenged to automatically open and close the door



Certification



RITS-n

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