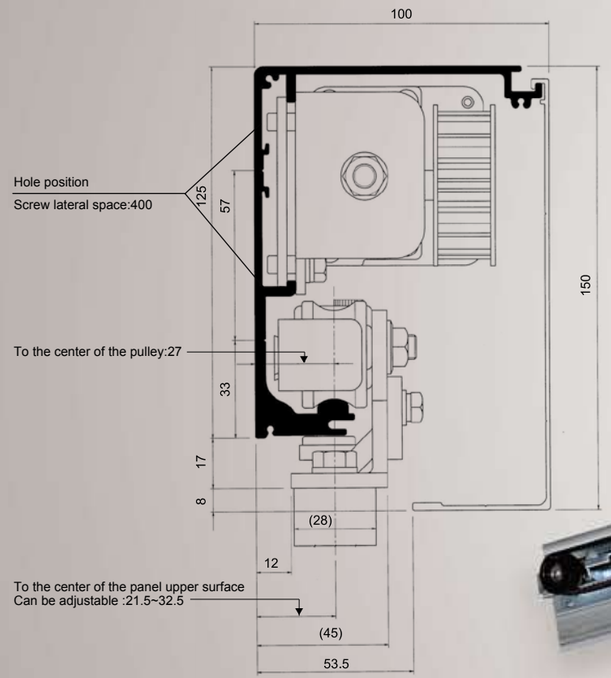
Panasonic
ideas for life

Ruidi Autodoor

SLIDING
DOOR

Safety | Construction | Reliability | Multifunction

[Sectional drawing] Ruidi series 120/150 exposed installation scale:mm



Motor

DC blushless motor with small volume and large power is used to accommodate deceleration of the high-speed gear box system with high transmission efficiency and small noise and then to drive the belt. A safety device is equipped inside. Despite of frequent switch on and off, it can run continuously without fault. The motor transmission belt pulley is made of metal and free from maintenance.

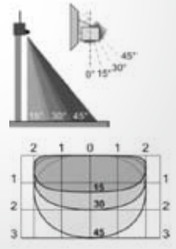
Controller

The controller module accepts inspection signals from the sensors or other signal switches drive the motor and control the door to run in an appropriate way. Two groups of aid light ray sensor interface and aid function interface are increased to further improve safety and multifunction of the product.

Sensor

- Operation Safer because of big sensing range and small blind area.
- Using the latest digital signal processing, with the static detection function.
- Adjustment easier, it can be adjusted flexibly according to the premises.

The sensing range can be adjustable, super-sensitive.
Different detection range can be received by adjusting knob, and the detection range is:
Min. 0.5m × 0.4m
Max.4m × 2m



Specifications

Model of the door	Single door		Double doors		Single door		Double doors	
weight	Less than 120kg		Less than 120kg*2		Less than 150kg		Less than 150kg*2	
Width	Door width 600~1250mm							
Installation method	exposed	concealed	exposed	concealed	exposed	concealed	exposed	concealed
Opening speed	14-41cm/s (remote control, adjustable)		14-40cm/s (remote control, adjustable)		14-41cm/s (remote control, adjustable)		14-34cm/s (remote control, adjustable)	
Closing speed	10-40cm/s (remote control, adjustable)		10--38cm/s (remote control, adjustable)		10-39cm/s (remote control, adjustable)		10-34m/s (remote control, adjustable)	
Open duration	0~9s				0~9s			
Manual opening force in case of power failure	46.0N(4.7kgf)		61.7N(6.3kgf)		63.7N(6.5kgf)		89.2N(9.1kgf)	
Ambient temperature	-20℃~+50℃				-20℃~+50℃			
voltage	AC 200~250V 50/60Hz				AC 200~250V 50/60Hz			

Functional components

Electric lock

Electric lock

- The door will be locked when closed; the delay time can be adjustable from 0s to 9s.
- When the door opens, the lock will be automatically unlocked, and the delay time is 1s.
- Once the switch signal is inputted, access control unit and the remote control are to be connected.
- The technology and development of the lock aims at dealing with various running status of the auto door.
- The stable performance preventing the possibilities of malfunctions.
- The photosynthetic conjunction it possesses can achieve automatic lock if the door remains closed in 5 seconds.

Access control unit

Access control unit

- **Technical parameters**

① Operating voltage：12V
② Operating current：110mA
③ Operating temperature：-20℃～60℃

- **4 models of opening:**

① Use the password (4-digit)
② Use the magcard
③ Use both the magcard and the 4-digit password
④ Use the magcard or the password

- **Features**

① Up to 1000 magcards are acceptable. And the stored information is still remained even if the power failure.
② The noctilucent keyboards are made of stainless steel, which is waterproof and vandal-resistant.Magnetic card has long induction distance and high sensitivity.
③ 2 groups of indicator lights (power and induction lights).
④ The new circuit board and control program design enrich the functions.

Remote control

- **Features**

① The dual-code technology can effectively avoid signal interference. More secure.
② The new designed circuit board and control program improve its stable performance. More accuracy in sending and receiving signals economizes the electricity of remote control, and extending the operation time effectively.The new design to ensure the remote control distance and the sensitivity.
③ The new added selection model can make the auto door automatically opens or closes when the door unlocked.

Remote control

- **Technical parameters:**

Operating voltage	12V+0.5V	Operating current	< 7mA
Operating temperature	-25℃～65℃	Receiving sensitivity	-100dBm
Operating frequency	315MHZ	Output current	<10A

Remote control

- **Product introduction:**

① Multi-function：
Realizing four kinds of operating status, such as the auto door normal open, normal close, normal switch and access control.
Realizing the linkage action with the access control system and the electrical lock.
② Professional：
Combine with the market demand, and developed specially for automatic doors.
The stable performance preventing the possibilities of malfunctions.
③ Convenience：
Convenient by the long remote control distance.
The compact size makes it’s easy to install.

Wireless press switch:

The new improved wireless press switch, which is composed of signal receiving device (NACS-CMJ200) and signal transmitting device (NACS-CMF200), is specifically developed for auto doors. What you should do is just to reconcile the code on both the signal receiving device and the signal transmitting device since the intelligent matching function in debugging.

- **Signal receiving device:**

It is easy to connect and adjust intelligently. The control signal can be adjusted during 1~10s. At the same time, the -100dBm high sensitive signal receiving can ensure the door operation more smoothly.

- **Signal transmitting device:**

Energy saving. Only 2 AAA batteries are needed for operating. There is a prompt function when lack of electricity. The luxury and beauty silver-gray surface and the arc angular design, makes is has comfortable feel.

Contactless switch:

- Use the photoemission techniques to achieve the non-touch detection; the detection distance is adjustable within 300mm.
- It can avoid the cross-infection caused by the hand and elbow touch, to ensure the absolute hygiene. And it is particularly suitable for clean room, sterilization room, operating room, as well as food processing factory, pharmaceutical industry, chemical industry and other entrances.
- The unique protection structure makes it has waterproof function.
- The sensor is designed with infrared LED spotlights, which is not affected by the dust and dirt.
- Base on the elegant and compact design, the product can be embedded in various wall (except within the metal wall)

Signal receiving device

Signal transmitting device

Contactless switch

Remark： please be noted that some of the functional components are not with the “Panasonic” logo.

Overall solutions

Hospital & Clean industry solutions:

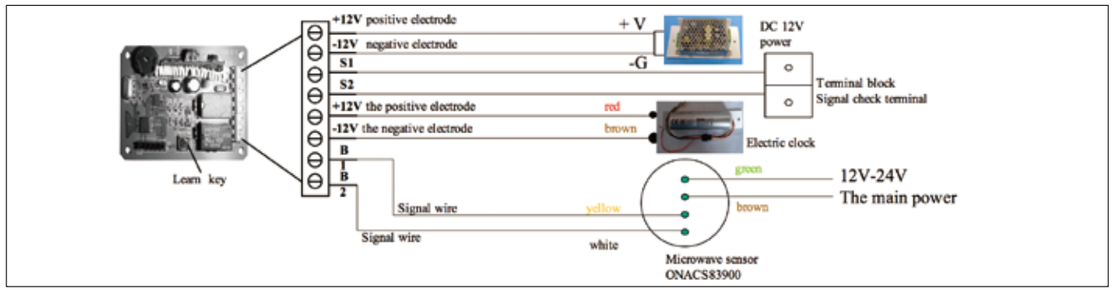
- **Function:need contactless switch,allow beds access,having antic-lamping function**
- **Typical configuration:**

① Panasonic auto door engine unit
② Contactless switch：ONSG751016

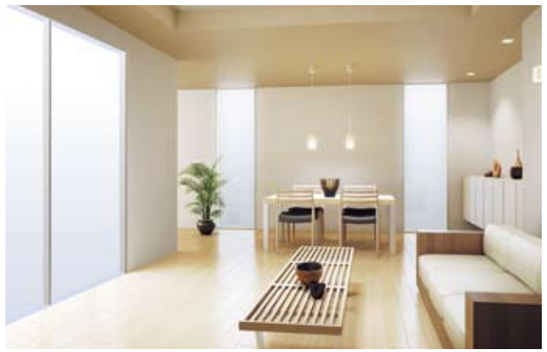
Supermarket solutions:

- **Function:auto door,can be locked at night**
- **The typical configuration:**

① Panasonic auto door engine unit
model：ONACS88438
② Microwave sensor：ONACS83900
③ Remote control：ONACS-YK300
④ Electric lock：ONACS-DS100
⑤ Power：ONACS-DY100

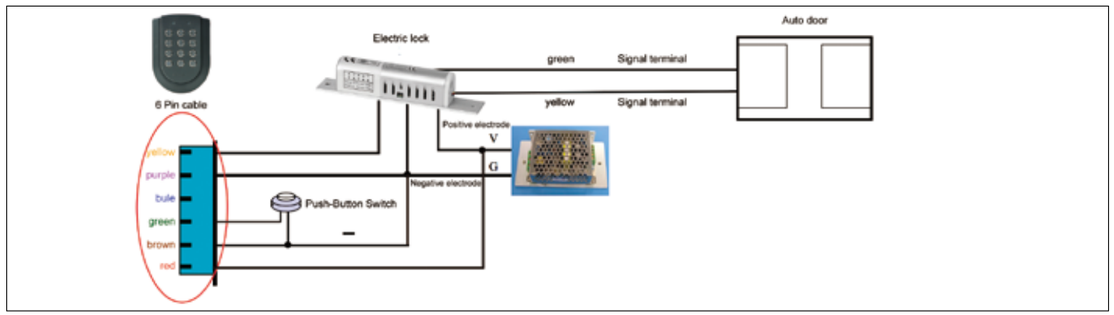


Office solutions:



- **Function:need to install access control device,the staffs who want to entrance, he or she can only punch in or input password**
- **Typical configuration of this auto door:**

① Panasonic auto door engine unit
② Microwave sensor：ONACS83900
③ Remove control：ONACS-YK300
④ Electric lock：ONACS-DS100
⑤ Power：ONACS-DY100
⑥ Access control unit ONACS-MJ1100



Panasonic Eco Solutions

To Deliver a New Comfortable Living

Product:

- **Hardware**
- **Sliding door**
- **Swing door**
- **Emergency door**
- **Overlapping door**
- **Interior door**
- **Airtight door**
- **Arc door**
- **Revolving door**

Negotiation room

Recommended use interior door
Suitable place：
upmarket residential, office

Senior office


Public place

Recommended use the emergency door
The occasion for a large flow of people

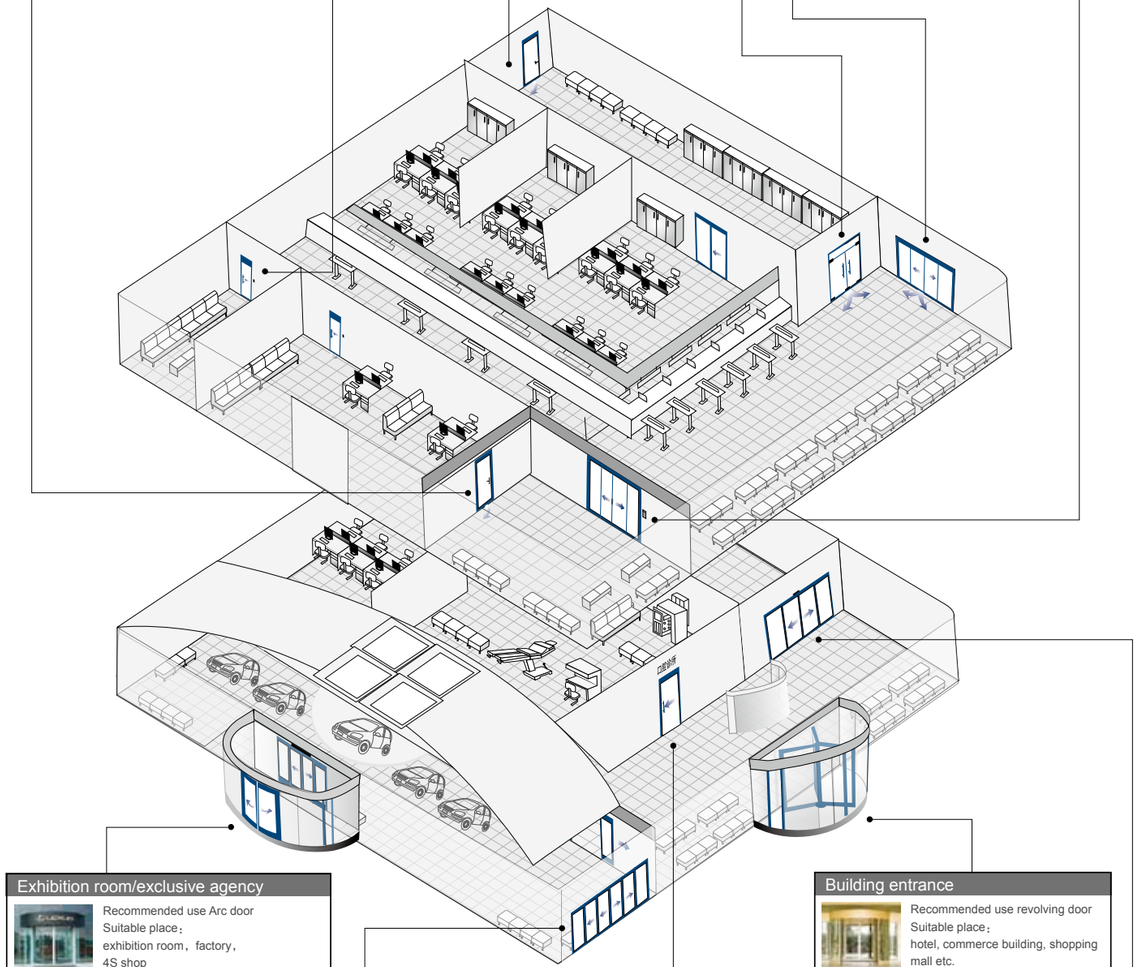
Meeting room

Recommended use swing door

Locker room
Recommended hardware


Bank

Recommended use sliding door with the access control system
Suitable place: for high security areas



Exhibition room/exclusive agency

Recommended use Arc door
Suitable place：
exhibition room，factory，
4S shop

Exhibition room/exclusive agency

Recommended ues overlapping door
Suitable place：
Exhibition room, factory

Dental clinic

Recommended use airtight door
Suitable place：
Electronics manufacturers, food processing plants and other clean places

Building entrance

Recommended use revolving door
Suitable place：
hotel, commerce building, shopping mall etc.

Office building

Recommended use sliding building, bank, supermarket, airport ect.