TOTAL SOLUTION FOR AUTOMATIC DOOR

Accessories

AREAS OF APPLICATIONS

AMINISTRATION BUILDINGS
AIRPORT AND RAILWAY STRATION
BANK AND OFFICE BUILDINGS
CAR SHOWROOMS
DEPARTMENT STORES
HOSPITALS
HOTELS AND RESTAURANTS
INDUSTRIAL BUILDINGS
LABORATORIES AND PUBLIC BUILDINGS
SUITABLE FOR USE IN ALL ENTRANCE LOCATIONS

GLOBAL NETWORK

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Bestmatic
AUTO SYSTEMS

Automatic door

BESTmatic pursues a safe world
and convenience of living

Dual safety
Auto reverse / Built in safety beam

Reliability
Passed 1 million cycles test

High efficiency

Low noise

Easy installation

Self error monitor

EXCELLENCE IN AUTOMATIC DOOR SOLUTION

BESTmatic is always strives to make your life safer and more convenient.

BESTmatic P5 serious is slim yet powerful door drive system and it is the optimal sliding automatic door system which can connect to IT equipment such as internet, home network. It is an intelligent automatic door with built-in communication port that can connect to various communication systems to enable remote control and monitoring.

P5 system has an artificial intelligent drive that automatically finds the optimum operating conditions through Self-Test Learning operation and can automatically set it.

PRODUCT FEATURES

1. Automatically apply optimum driving conditions through Self-Test Learning Operation.

2. Built-in SMPS P5 controller ensures stable operation even if external power is unstable.

3. The display panel on the front of the controller has an intuitive and convenient user interface so anyone can set it easily.

4. Optimized synthetic resin roller for aluminum rail's running track, low running noise, strong durability and high impact resistance.

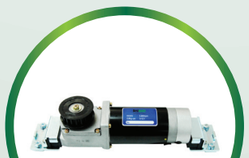
5. Easy to install because SMPS, safety sensor (option) and sensor connection terminal block are integrated into the controller.

6. Built-in communication port can connect serial communication (RS232C, RS485), TCP / IP (Internet), Bluetooth communication (smart phone, tablet PC).

PARTS AND FEATURE

Controller

- Built-in SMPS power supply
- Intuitive User Interface and Easy setting keypad
- Automatically apply optimal driving conditions through Self-Test Learning Operation
- Built-in communication port
- Slim and lighter than the electric power transformer
- Highly efficient, and has low electricity consumption while stand by.

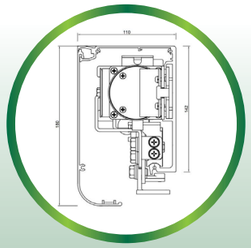


Engine Motor

- P5 The slim-type engine developed exclusively for automatic doors, providing a powerful drive performance and allowing the door to run steadily.
- The opening and closing speed is fast and quiet operation.
- High efficiency geared motor with long durability

Hanger roller

- Synthetic resin rollers optimized for aluminum running rails minimize running noise during operation
- Strong durability and high impact resistance
- Fail safe anti-derailed structure and anti-warp structure ensure silent and safe operation
- Vertical height adjust design for Door leaf



Rail Aluminium

- Wall mount type is easy to be installed directly on the wall or other surfaces and it is fixed by screws or bolts. Suitable for residential, commercial and industrial heavy doors.

TECHNICAL SPECIFICATIONS 60W

TYPE	SINGLE LEAF	DOUBLE LEAVES
MODEL	**P5 - 100S/60W**	**P5 - 100D/60W**
POWER SUPPLY	AC 180V - 250V (50~60Hz)	
CONTROLLER	Micro-Processor Control	
DC GEAR MOTOR	DC 24V 60W Gear Motor	
DRIVE	S8M Timing Belt	
MAXIMUM DOOR WEIGHT	120Kg X 1	90Kg 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	-30℃ ~ +50℃	

TECHNICAL SPECIFICATIONS 90W

TYPE	SINGLE LEAF	DOUBLE LEAVES
MODEL	**P5 - 100S/90W**	**P5 - 100D/90W**
POWER SUPPLY	AC 180V - 250V (50~60Hz)	
CONTROLLER	Micro-Processor Control	
DC GEAR MOTOR	DC 24V 90W Gear Motor	
DRIVE	S8M Timing Belt	
MAXIMUM DOOR WEIGHT	150Kg X 1	120 Kg 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	-30℃ ~ +50℃	

PRODUCT SPECIFICATIONS

Combined sensor (Microwave & Infrared)

IRM203-UNI / IRM201-UNI,BI

This is the most advanced dual technology activation and monitored safery sesnsor.

Product Spec.

Model : IRM203-UNI
Supply voltage : AC/DC 12V~24V
Installed height : Maximum 3m
Test Input : 6[mA] @ 24[VDC]
Weight : 250g
Operating temperature : -20°C ~ 50°C

Output : - Relay : 1A / 24VDC
- Photo Mos: Maximum output internal resistant: max 35Ω

Operating humidity: 0~90%

Detection area

Microwave Motion Sensor

A

B

RN-MS730 (A) RN-MS805 (B)

The MS730-Bi is a high performance motion detection sensor specifically designed for the activation of automatic doors.

Product Spec.

Model : MS730 (A)
Power supply : DC 12~30V, AC 12~24V
Microwave Module : 24.125GHz
Current consumption : < 1.4W
Relay Contact capacity : 0.5A/125VAC, 1A/24VDC

Model : MS805 (B)
Power supply : DC 12~30V, AC 12~24V
Microwave Module : 24.125GHz
Current consumption : 100mA (DC12V,+25℃)
Relay Contact capacity : 0.5A/125VAC, 1A/24VDC

Microwave Motion Sensor

A

B

RN-MS701 (A) RN-MS361 (B)

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

Product Spec.

Model : MS701 (A) / MS361 (B)
Power supply : DC12~30V, AC12~24V
Microwave module : 24.125GHz
Contact capacity : 24V/1A
Max Installation height : 3.5m

Current consumption : 150mA (DC12V, +25℃)
Max sensing distance : 4m(W)x 2m(D) (based on 2.2m of installation height)
Relay Contact capacity : 0.5A/125VAC, 1A/24VDCVDC

Proximity Sensor Switch (Waterproof)

A

B

PS100 (A) MG100 (B)

The product is a highly sensitive, high performance switch designed to activateautomatic doors by detecting the movement of a person or object.

Product Spec.

Model : PS100(A)
Power supply : AC, DC 12~24V
Contact capacity : 0.5A /125VAC, 1A / 30VDC
Detection range : 10~30cm ± 3~5cm
Size : 40×117×19.5 mm
International Protection : IP54

Model :MG100(B)
Power supply : AC, DC 12~24V
Contact capacity : <1.4W
Operating temperature : -20°C ~ 50°C / 0~80%
Size : 85.9X85.9X20mm
International Protection : IP54

Wireless Touch Switch

NDAW-5 (Transmitter) RN-MTR (Receiver)

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

Product Spec.

Model : NDAW5 A/B
Power supply : 1.5V *2 (Size AAA Batteries)
Rated frequency : FM447.600MHz (Type A) or FM433.92MHz (Type B)
Operating temp : -10℃~50℃
Distance : 10m
Power consumption : 20mW

Model : RN-MTR(Receiver)
Power supply : AC/DC12V~30V
Power consumption : 20mA
Relay contact capacity : 0.5A / 125VAC, 2A/30VDC
Thickness : 13mm

Wireless Touch Switch (Waterproof type)

RN-TS200 RN-MTRII 200 (Receiver)

This product is a set of wireless transmitter/receiver switches to be installed in the equipment requiring relay contact input to control motor e.g., of automatic door.

Product Spec.

Model : RN-TS200 (Transmitter)
Power supply : 1.5V X 2
Rated frequency : FM 447.9375 MHz
Operating temp : -20℃ ~ 50℃
Distance : 10m Within
Size : 39 X 18 X 13 mm

Model : RN-MTRII 200 (Receiver)
Power supply : AC/DC12V~30V
Relay contact capacity : AC125V/0.5A, DC30V/1A
Reception sensitivity : -110 dBm
Power consumption : 100mA Under

Digital
Wired Door Key (RC400)

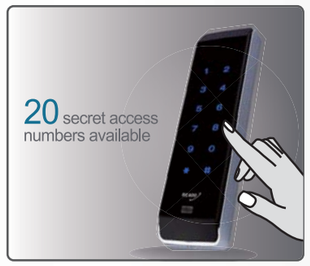
RC400

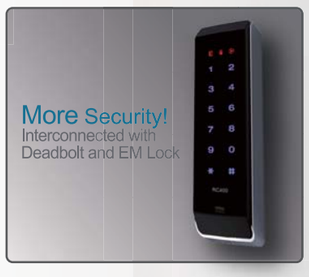
The digital door key is designed to automatically open by pressing secret access numbers or making an ID card close to it at every entrance through an automatic door.

Product Spec.

Model : RN-RC400
Power supply : DC 12~30V, AC 12~24V
Relay contact capacity : DC30V / 1A
Operating temp : -20℃~50℃
Type :ISO14443A (Mifare) / 13.56MHz

Power consumption : 300mA under
International Protection:
IP54 (water proof)





Digital door key

RC-300

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

Product Spec.

Model : RC-300
Power supply : AC, DC 12~24V
Relay Contact Capacity : 24V/1A
Type : Password / Card
Power Consumption : Rated Operating Current 190mA

Card : EM4100 (125KHz)
Personalentry codes (passwords) : 20EA
Size : 40×172×17 mm
Operating temperature : -20℃~50℃
No of Card / Password : Max500pcs / Max, 20code (4digit)

Digital Wireless Door Key (Waterproof)

WRC100

The wireless digital door key has been manufactured to be able to open the door automatically by entering the password when entrance.

Product Spec.

Model : WRC100 (Transmitter)
Battery : 1.5V AAA 4EA
Transmission frequency : FM 447.600MHz
The number of programmable personalentry codes (passwords) : 20EA
International Protection : IP54

Model : RN-MTR (Receiver)
Power supply : AC, DC 12~24V
Contact capacity : 0.5A / 125VAC 1A / 30VDC
Size : 155X43X21 mm

Funtion Switch

FS600

This product is a mode switch designed to connect with the automatic door controller(AT100) for operation control.

Product Spec.

Model : FS600
Power supply : DC 5V
Current : Max 100mA
Intended Use : Controller mode switch for auto door control (for AT100 only)

How to connect : 8 pin connector
Operating Temperature : -10℃~50℃
Size : 80 x 80 x 14 mm

Wired / Wireless Switch For The Physically Challenged (Waterproof)

WHD1 (Receiver) WHD2 (In) WHD3 (Out)

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.

Product Spec.

Model : Internal Switch (WHD2) / External Switch (WHD3)
Rated frequency : FM 433.92MHz or FM 447.60MHz
Battery : 1.5V AA 4EA Each
International Protection : IP54

Model : Receiver (WHD1)
Power : DC 12-30V/AC12-24V
Current Consumption : Standby - 30mA Action - 80mA (DC 24V)
Relay Contact capacity : 1A/30VDC, 0.5A/125VDC

Photoelectric Beam Sensor

SK-10DA

This sensor is designed to detect intrusion to initiate an alarm, an door controller and so on.

Product Spec.

Model : SK-10DA	Weight : Control box 75g / Sensor 133g (Including 5m cable)
Power Supply : AC/DC 12~24V (Non-polarity)	Size : 44×114×30 mm
Relay contact capacity : 24V/1A	Operation Temperature : -20℃ ~ 50℃
Working distance : 10m Max	
Current consumption : Standby 75mA / Active 100mA	

Photoelectric Beam Sensor

RN-20DB

This sensor is designed to detect intrusion to initiate an alarm, an door controller and so on.

Product Spec.

Model : RN-20DB	Weight : Control box 75g / Sensor 133g (Including 5m cable)
Power Supply : AC/DC 12~24V (Non-polarity)	Size : 44×114×30 mm
Relay contact capacity : 24V / 1A	Operation Temperature : -20℃ ~ 50℃
Working distance : 10m Max	
Current consumption : Standby 75mA / Active 100mA	

Multi-channel Remote Control

RN-MFT100

This wireless multi-channel transmitter, can operate up to 8 channels are available with ID registration.

Product Spec.

Model : RN-MFT100	Size : 38×130×15.5 mm
Power Supply : 1.5V X 2 (Size AAA Battery)	Operation Temperature : -20℃ ~ 50℃
Transmission frequency : 447,600 MHz	
Number of Channels : 8EA	
Working distance : 50m Max	

IR SPOT FINDER

SF100

This device easily locates Infrared (IR) spots by measuring the intensity of (IR) signals received.

Product Spec.

Model : SF100
Compatible batteries : 1.5V AAA 2EA
Operating temperature : -20℃~60℃
Operaing temperature : (λ) 800~1100nm
IR measuring angle : 0℃~25 ℃
Dimensions : 80x40x23.5 mm

Vehicle Detector

VD100 / VD200

Detecting the moving object and steel vehicle approaching the automatic door.

Product Spec.

Model : VD100 (1 Channel) **VD200 (2 Channel)**	Operating Temperature : -20℃~50℃ / 0~80%
Power supply : AC 220V , 60Hz	Size : 145 x 114 x 40.5 mm
Relay contact capacity : 10A / 120VAC	
Current consumption : Normal <0.2W, Activation 5W	

Transmitter / Receiver For Automatic Shutter

DEC-331CTX (Transmitter) DEC-331ERX (Receiver)

This product is a AM-mode wireless remote control intended to control remotely automatic shutter, automatic door and tubular motor or the like.

Product Spec.

Model : DEC-331CTX (Transmitter)	**Model : DEC-331ERX (Receiver)**
Power : (23A) DC12V	Power : AC220VA±10%, 60Hz
Modulation : AM	Contact output : 10A / 120VAC 10A / 24VDC
Transmission frequency : 311.063 MHz	Operating temperature : -20℃~50℃
Operating temperature : -20℃~50℃	Size : 137×100×36mm
Size : 38×66×13 mm	

Transmitter / Receiver For Barrier Gate

RT-321A (Transmitter) RIN-321DRX (Receiver)

The wireless transmitter and receiver for parking control are parking control system to control external vehicles.

Product Spec.

Model : RT-321A (Transmitter)	**Model : RIN-321DRX (Receiver)**
Power : (23A) DC12V	Power : AC220VA±10%, 60Hz
Transmission frequency : 311.063MHz	Contact output : 10A / 120VAC, 10A / 24VDC
Modulation : AM	Operating temperature : -10℃~60℃
Operating temperature : -10℃~60℃	Size : 137×100×36 mm
Size : 36×59×15 mm	

FM Transmitter / Receiver

RN-FT100 (Transmitter) RIN-FR100 (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.

Product Spec.

Model : RN-FT100 (Transmitter)	**Model : RIN-FR100 (Receiver)**
Transmission frequency : 447.600MHz	Power source : AC220V±10%, 60Hz
Modulation : FM	Contact output : 10A / 120VAC 10A / 24VDC
Battery : 1.5V AAA 1EA	Operating temperature : -20℃~50℃
Operating temperature : -20℃~50℃	Size : 137 x 100 x 36mm
Size : 82 x 60 x 17 mm	