



SMART SENSOR
 PROTECT OF YOUR LIFE
 Excellence in Automatic Door Sensor Solutions



Contact us

rits-n@rits-n.com

Product Info

http://www.rits-n.com

Head Office and R&D

Room 628, 150, Jojeong-daero, Hanam-si,
 Gyeonggi-do, Republic of Korea, ZIP12930.

TEL : 82-31-790-1641 / FAX : 82-31-600-0448

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* The contents of this catalog are effective as of December 2019. For product improvement purposes.
 The specifications and designs are subject to change without prior notice.

* Print data : December 31, 2019



ABOUT US



“ RITS-N CO.,LTD. was established in Korea in year 1995 as manufacturer for reliable automatic door controller, remote controls, and sensors. We presently have more than 60% market share in Korea and are targetting to go OEM and export business to several regions such as Europe, USA, China, South-East Asia, the Middle East , and etc.

We aim to provide great satisfaction to our customers with our “HIGH QUALITY”, “COST EFFICIENT”, & “ECO-FRIENDLY” products. We will provide 100% of safety and reliable products to our business partners hopping to receive the continous encouragement and support back from them. ”


History

- 1995** Established DAEGUN ELECTRONICS
- 1996** Developed Overhead Door Remote Control System
- 1998** Developed Bar-gate Remote Control System
- 2000** Developed Auto Door Sensor Switch of Public Buildings for the physically challenged
- 2001** Changed the corporate name into RITS-N CO., LTD.
Developed Automatic Door FM Touch Switch
- 2003** Developed Automatic Door Ultrasonic Sensor
- 2004** Developed Parking Control System
- 2006** ISO9001:2000 Certification Enterprise - ICR
INNO-BIZ Certification Enterprise-SMBA
- 2007** Registered intellectual property right : No.10-0668462
Application : 30-2006-37888
Launched an automatic door brand “RADOS”
- 2012** 2012 Office and factory moved from Seoul to Gyeonggi-do
Developed screen safety door system for metro (subway)
- 2013** Developed infrared proximity sensor
Developed multi-channel control system
- 2016** Developed automatic door combined sensor (radar&infrared)
Developed digital door key
- 2019** Developing New Radar sensor
Exported to 28 countries until now

Total solution for automatic door

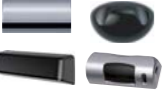
Accessories

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 the automatic door.

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

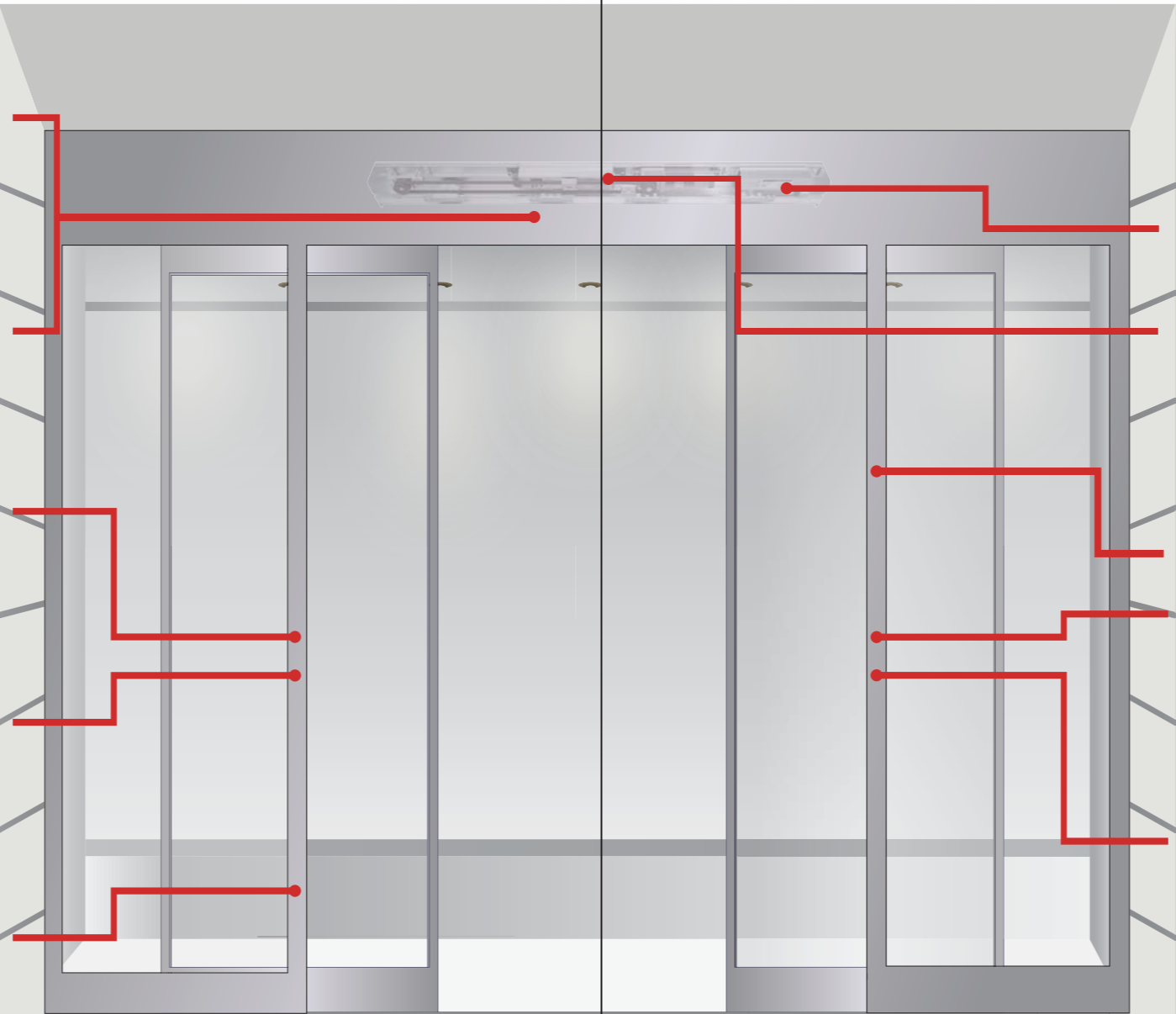
Photoelectric beam sensor




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

[Single beam]

[Double beam]




SMPS




This power supply makes to stable in the automatic door

Automatic door controller




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

Function Switch




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

Wired / Wireless 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 switch for the physically challenged



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 SPECIFICATIONS

Combined sensor (Microwave & Infrared)



Infrared sensor



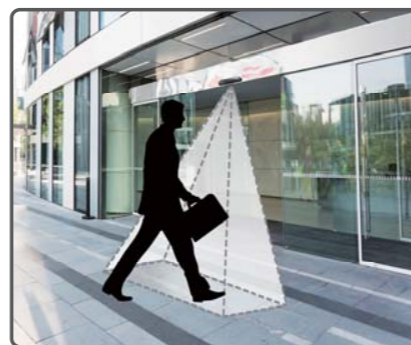
IRM203-UNI, IRM201-UNI, BI (Combined sensor) / IR303 (Infrared sensor)

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

Product Spec.

Model : IRM203-UNI / IRM201-UNI, BI
 Supply voltage : AC/DC 12V~24V
 Installed height : Maximum 3m
 Test Input : 6[mA] @ 24[VDC]
 Output : - Relay : 1A / 24VDC
 - Photo Mos: Maximum output internal resistant: max 35Ω

Model : IR303
 Supply voltage: AC/DC 12~24V
 Power consumption : AC12V: 300[mA] (Max)
 AC24V: 200[mA] (Max)
 DC12V: 140[mA] (Max)
 DC24V: 80[mA] (Max)
 Test input : 6[mA] @ 24[VDC]



Detection area

Microwave Motion Sensor



MS701 (A)

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)
 Power supply : DC 12~30V, AC 12~24V
 Microwave Module : 24.125GHz
 Current consumption : 150mA (DC12V, +25°C)
 Contact capacity : 0.5A/125VAC, 1A/24VDC

Model : MS361 (B)
 Power supply : DC 12~30V, AC 12~24V
 Microwave Module : 24.125GHz
 Contact capacity : 0.5A/125VAC, 1A/24VDC
 Current consumption : 150mA (DC12V, +25°C)

Proximity Sensor Switch (Waterproof)



PS100 / Infrared (A)

MG100 / Microwave (B)

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

Product Spec.

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

Model : MG100 / Microwave (A)
 Power supply : DC 12~30V, AC 12~24V
 Contact capacity : <1.4W
 Operating temperature : -20°C ~ 50°C / 0~80%
 Size : 85.9X85.9X20mm
 International Protection : IP55

Microwave Motion Sensor



MS730-UNI, BI (A)

MS805 (B)

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

Product Spec.

Model : MS730-UNI, BI (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°C)
 Relay Contact capacity : 0.5A/125VAC, 1A/24VDC

Wireless Touch Switch (Waterproof type)



TS400 (Transmitter)

R24 (Receiver)

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

Product Spec.

Model : TS400 (Transmitter)
 Power supply : 1.5V X 2 (Size AAA Batteries)
 Rated frequency : 2.4GHz
 Operating temp : -20°C~50°C
 Distance : Within 10m
 Size : 40 x 150 x 13 mm

Model : R24 (Receiver)
 Power supply : DC12~30V, AC 12~24V
 Power consumption : Under 100mA
 Relay contact capacity : AC/DC 400V, 120mA
 Reception sensitivity : -90 dBm
 Size : 99 x 43 x 21 mm

Digital Wired Door Key (RC400)

RC400

The digital wired 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 : RC400

Power supply : DC 12~30V, AC 12~24V

Relay contact capacity : DC30V / 1A

Operating temp : -20°C~50°C

Type :ISO14443A (Mifare) / 13.56MHz

Power consumption : Under 300mA

International Protection:

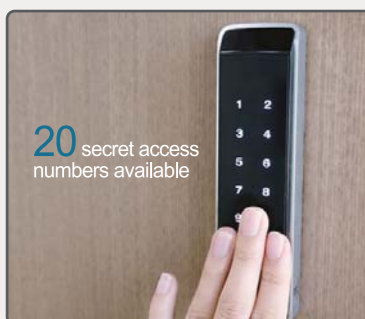
IP54 (waterproof)



Trendy design with touch screen panel.



1000 cards registrable as combined use with RFID card.



20 secret access numbers available



More Security

Interconnected with Deadbolt and EM Lock



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 12~24V, DC 12~30V

Relay Contact Capacity : 24V/1A

Type : Password / Card

Power Consumption : Rated Operating Current 170mA

Card : EM4100 (125KHz)

Personentry codes (passwords) : 20EA

Size : 40×172×17 mm

Operating temperature : -20°C~50°C

No of Card / Password : Max 450pcs / 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 433.92 MHz

The number of programmable personentry codes (passwords) : 20EA

International Protection : IP54

Model : MTR II 100S (Receiver)

Power supply : AC 12~24V, DC 12~30V

Relay contact capacity : AC125V/0.5A, DC30/1A

Size : 99 x 43 x 21 mm

Function 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°C~50°C

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

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°C ~ 50°C
Working distance : 10m Max	
Current consumption : Standby 75mA / Active 100mA	

Photoelectric Beam Sensor



20DB

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

Product Spec.

Model : 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°C ~ 50°C
Working distance : 10m Max	
Current consumption : Standby 75mA / Active 100mA	

Multi-channel Remote Control



MFT100

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

Product Spec.

Model : MFT100	Size : 38×130×15.5 mm
Power Supply : 1.5V X 2 (Size AAA Batteries)	Operation Temperature : -20°C ~ 50°C
Transmission frequency : 447,600 MHz	
Number of Channels : 4EA, 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°C~60°C
Operating temperature : (λ) 800~1100nm
IR measuring angle : 0°C~25 °C
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°C~50°C / 0~80%
Power supply : AC 220V , 60Hz	Size : 145 x 114 x 40.5 mm
Relay contact capacity : 10A / 120VAC	
Current consumption : Under 11W	

Transmitter / Receiver For Automatic Shutter



331CTX (Transmitter)

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 : 331CTX (Transmitter)	Model : 331ERX (Receiver)
Power : (23A) DC12V	Power : AC 100~240V, 50/60Hz
Modulation : AM	Contact output : 10A / 120VAC
Transmission frequency : 311.063 MHz	10A / 24VDC
Operating temperature : -20°C~50°C	Operating temperature : -20°C~50°C
Size : 38×66×13 mm	Size : 137×100×36mm

Transmitter / Receiver For Barrier Gate



321A (Transmitter)

321DRX (Receiver)

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

Product Spec.

Model : 321A (Transmitter)	Model : 321DRX (Receiver)
Power : (23A) DC12V	Power : AC 100~240V, 50/60Hz
Transmission frequency : 311.063MHz	Contact output : 10A / 120VAC,
Modulation : AM	10A / 24VDC
Operating temperature : -10°C~60°C	Operating temperature : -10°C~60°C
Size : 35×59×15 mm	Size : 137×100×36 mm

FM Transmitter / Receiver



FT100 (Transmitter)

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 : FT100 (Transmitter)	Model : FR100 (Receiver)
Transmission frequency : 433.92 MHz	Power source : AC 100~240V, 50/60Hz
Modulation : FM	Contact output : 10A / 120VAC
Battery : 1.5V AAA 1EA	10A / 24VDC
Operating temperature : -20°C~50°C	Operating temperature : -20°C~50°C
Size : 36 x 81 x 17mm	Size : 137 x 100 x 36mm

Parking Control System



RMC-4000

This receiver controller is installed and managed at the entrance of parking lot and a place requiring access control.

Product Spec.

Model : RMC-4000
 Power supply : AC220VA ±10%, 60Hz
 Contact capacity: 10A / 120VAC,
 10A / 24VDC
 Size : 130x156x41 mm
 Relay contact : 2 port

Model : 321A (Transmitter)
 Power : (23A) DC12V
 Transmission frequency : 311.063MHz
 Modulation : AM
 Operating temperature : -10°C~60°C
 Size : 36x59x15 mm

SMPS



P2705

This power supply makes to stable in the automatic door.

Product Spec.

Model: P2705
 Rated Input : AC 100-240V, 50/60Hz
 Rated Output: DC 27V/ 5A
 Size: 162 x 60 x 50 mm

Backup battery



BK100

Backup battery is an ideal option to assure that you can still open or close your automatic door even if there's no power.

Product Spec.

Model : BK100
 Back up battery : 18V / 0.6A [AA:15EA (69x42x48 mm)]
 Charging voltage : Input power over DC28V
 Charging time : approx. 3hours
 Dimensions : 250 X 60 x 55 mm
 Input power : DC30V, AC24V

Output power1 : DC28.6V (input power is 30V)
 Output power2 : DC18V±5% (Battery used)
 Output current1 : 10A Max (AC power used)
 Output current2 : 0.6A Max (Battery power used)
 Battery usage time : 15minutes (continue use) / 3hrs (timely use)

RITS-N CERTIFICATIONS



GLOBAL NETWORK

RITS-N is to provide the best automatic doors and sensors with our superior technologies to people in the world. RITS-N leads the automatic door and sensors industry and our company will be the door for the new automatic door in 21 century.



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