



Make every effort to help our customers get the benefits.

Automatic Door System

COMPANY

Automatic Door System

About us

H&T Korea Co. Ltd., is always committed to the development of products that provide provide the best convenience with the best technology under the mission of Human and Technology H&T Korea Co. Ltd., concentrates all efforts on talents, technology development, marketing, quality management, etc to bring customer satisfaction.

Since its establishment in 2007, H & T Korea Co. Ltd, has made self-development of door products or other products associated with the access control such as the slide door, microwave sensors, infrared sensors, access control remote control, automatic door controllers, etc. We are making constant efforts to become an innovative company, Management and employees of our company promise to devote their efforts to satisfy customers with future-oriented technology and ask a lot of encouragement and support of our customers.

Thank you.

"H&T Korea Co. Ltd. starts to get more customers' trust after sales rather than before sales. "

C.E.O JunSeok KIM 

History

2007. 12	Established H&T KOREA	2014. 06	Acquired the Venture Corporation Verification
2008. 03	Developed Remote control system/Photoelectric 2 Beam Sensor	2014. 07	Acquired ISO 9001:2008 Certification
2008. 04	Developed Lock Time Control for Automatic Door	2014. 08	Participated in the Shanghai ES Build 2014 Exhibition as a Exhibitor
2008. 05	Developed AM Transmitter/Receiver for Shutter	2015. 05	Developed 2.4Ghz Bluetooth wireless touch switch that can be linked with smart application(Waterproof type)
2008. 05	Developed Automatic Door Switch for the physically challenged	2016. 02	Developed application for Bluetooth interworking (Patent No.: 10-2017-0015555)
2008. 06	Developed Automatic Door FM wireless/wired touch switch	2016. 08	Developed wireless switch for the phsically challenged(2.4Ghz)
2009. 05	Developed Controller for Parking Lift	2017. 01	Developed 2.4Ghz wireless remote control
2009. 10	Developed Microwave Doppler Radar Sensor	2017. 02	Developed 2.4Ghz Bluetooth remote control that can be linked with a smartphone application
2011. 03	Developed infrared Proximity Sensor	2018. 07	Developed the motor controller for 3 interlocking indoor gate
2011. 08	Developed FM bidirectional Automatic Door Switch for the physically challenged	2019. 03	Got the certificate of automatic door reliability test(5 million times)
2012. 05	Developed Chain Gate	2020. 04	Developed 2.4Ghz smartphone interlocking control device controller for apartment entrance
2012. 07	Developed PCB for LED Streetlight	2020. 11	Headquarters moved to Namyangju
2012. 08	Developed Bollard Controller	2021. 06	Developed 2.4Ghz wireless non-face-to-face(untact) proximity touch sensor
2012. 11	Developed Two Decker Bike Rack	2021. 07	Developed 13.56Mhz automatic doorlock device
2013. 02	Developed PCB and Controller for an Underground Parking Lot		Developed aluminum/stainless insulated automatic door
2013. 04	Developed PCB and Controller for LED Leading Light		Developed HT-FT3 wireless 447.6Mhz transmitter
2013. 08	Developed Power Adapter for 12V2A		
2013. 09	Developed One Button Remote Controller		
2014. 02	Developed Controller for Automatic Door		
2014. 05	Established Annex R&D Center (Verified in 2014.06)		

Business Area

Product Development • OEM [original equipment manufacturing] • EMS [electronic manufacturing service] • National Project



Handling Item

Sliding Door



Folding Door



Panic Door



Circle Door



Revolving Door



Double Layer Sliding Door



Swing Door



Bathroom Door for the Disabled



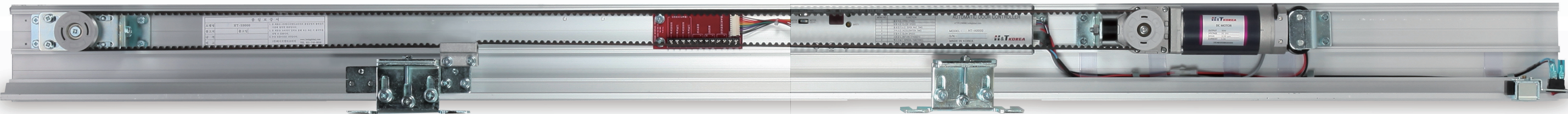


Automatic Door System



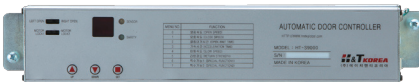
> Sliding Autodoor System

HT-S9000 Series (sliding automatic door)



Detailed Features

Controller



- It can deal with all the input signal as the control method of microcontroller.
- It is more economical because it is equipped with the receiver of safety sensor.
- Unlike other companies, it is the SMPS type controller which doesn't need transformer.
- It is possible to set all the functions through simple operation.

Motor



- It is smooth and strong since it is equipped with the speed reducer which is applied by new technology.
- There is no oil leak because of newly developed gasket.
- There is no malfunctioning according to the change of the temperature.
- It is the motor which is possible for control lock.

Hanger



- It prevent distortion of hanger when adjusting the height of a door.
- The height range of hanger is wide.

Product Features

It is easy to set Speed Control, Section Setting, Safety Sensor, and so on according to the convenience of customers because it uses Mycom control method.

It is operated smoothly and precisely because it is equipped with high efficiency DC motor.



It is more convenient than before as it is equipped with the receiver of safety sensor.

It is more smooth and strong since it is equipped with the speed reducer which is applied by new technology.

Product Specification

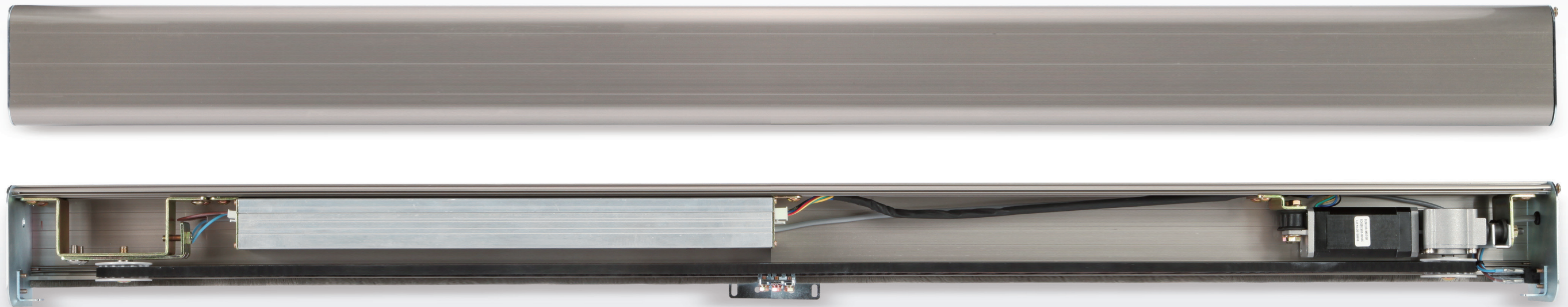
- | | |
|---|---|
| ■ Model : HT-S9000 Series | ■ Open Speed : 100mm/sec ~ 800mm/sec (Variable) |
| ■ Type : Sliding Automatic Door | ■ Operation Weight : MAX 120Kg |
| ■ Input Power : AC180V ~ 265V (50~60Hz) | ■ Control Method : MICOM PROSSESING CONTROL |
| ■ Motor : DC24V / 90W BRUSH DC MOTOR | ■ Operation Temperature : -20°C ~ +60°C |



Automatic Door System

> Sliding Autodoor System

HT-S3000 Series (3 interlocking sliding automatic door)



Detailed Features

Controller



- The functions and performance is the best as the control method of microprocessor of controlling DC Motor.
- It doesn't need transformer separately because the power is SMPS type.
- It is possible to set operation speed and various functions through simple input button.

Motor



- It is smooth and strong since it is equipped with the speed reducer which is applied by new technology.
- There is no malfunctioning according to the change of the temperature.

Hanger



- The operation range of hanger adjustment bracket is wide when adjusting the height of a door.
- It is possible to install brackets on both sides according to the weight and size of a door.

Product Features



- It is possible to set various functions such as Speed Control, Convenient Functions as it uses microprocessor method.
- You can experience smooth movement because it is equipped with DC motor.
- It gives users more convenience because of the functions with state-of-the-art technologies.

Product Specification

- | | |
|---|---|
| ■ Model : HT-S3000 Series | ■ Operation Weight : MAX 50Kg |
| ■ Motor : DC24V / 25W / DC Motor | ■ Open Speed : 100mm/sec ~ 800mm/sec |
| ■ Operation Temperature : -20°C ~ +60°C | ■ Control Method : MICROPROCESSOR CONTROL |
| ■ Output Voltage/Current : DC24V/1A (For External Device Power) | |
| ■ Sensor Input Contact : Zero Voltage Input Signal | |
| ■ Safety Sensor Contact : Zero Voltage Input Signal or Analog Input Signal (Input Sensor for sensing infrared light distance) | |

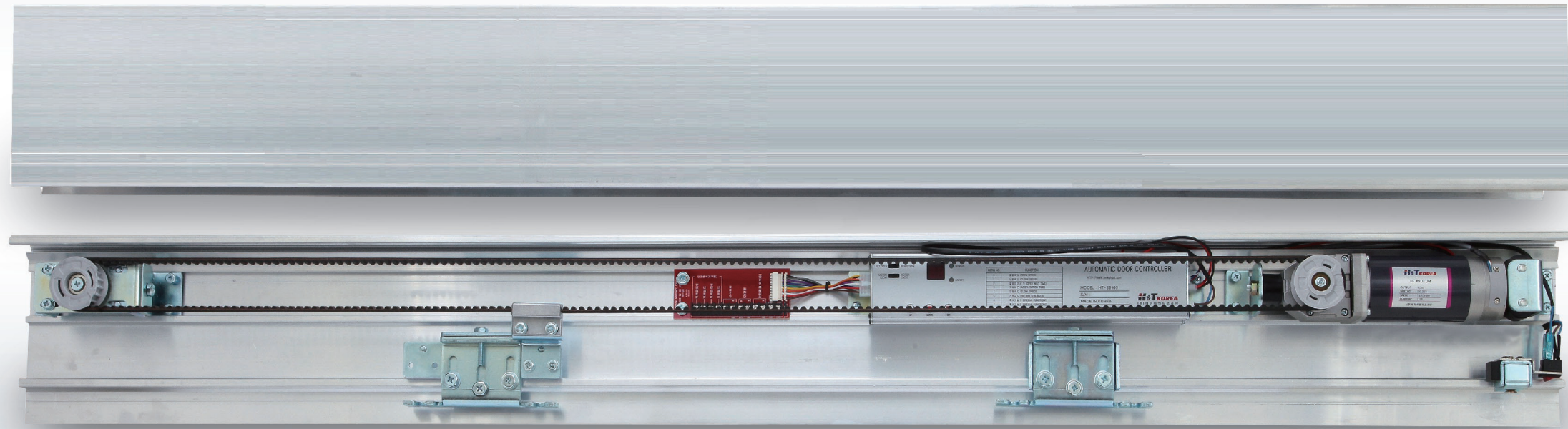


Automatic Door System



> Sliding Autodoor System

HT-S7000 Series (sliding automatic door)



Detailed Features

Controller



- It can deal with all the input signal as the control method of microcontroller.
- It is more economical because it is equipped with the receiver of safety sensor.
- Unlike other companies, it is the SMPS type controller which doesn't need transformer.
- It is possible to set all the functions through simple operation.

Motor



- It is smooth and strong since it is equipped with the speed reducer which is applied by new technology.
- There is no oil leak because of newly developed gasket.
- There is no malfunctioning according to the change of the temperature.
- It is the motor which is possible for control lock.

Hanger



- It prevent distortion of hanger when adjusting the height of a door.
- The height range of hanger is wide.

Product Features

It is easy to set Speed Control, Section Setting, Safety Sensor, and so on according to the convenience of customers because it uses Mycom control method.

It is operated smoothly and precisely because it is equipped with high efficiency DC motor.

It is more convenient than before as it is equipped with the receiver of safety sensor.

It is more smooth and strong since it is equipped with the speed reducer which is applied by new technology.



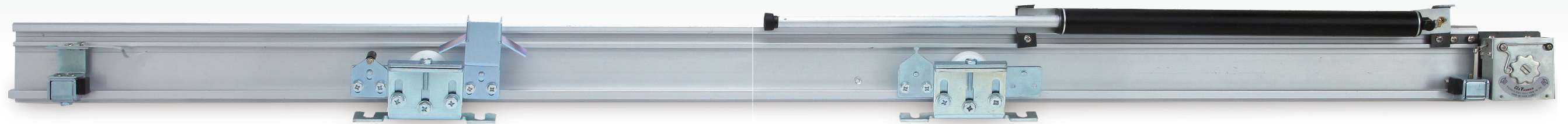
Product Specification

- | | |
|---|---|
| ■ Model : HT-S7000 Series | ■ Open Speed : 100mm/sec ~ 800mm/sec (Variable) |
| ■ Type : Sliding Automatic Door | ■ Operation Weight : MAX 120Kg |
| ■ Input Power : AC180V ~ 265V (50~60Hz) | ■ Control Method : MICOM PROSSESING CONTROL |
| ■ Motor : DC24V / 90W BRUSH DC MOTOR | ■ Operation Temperature : -20°C ~ +60°C |

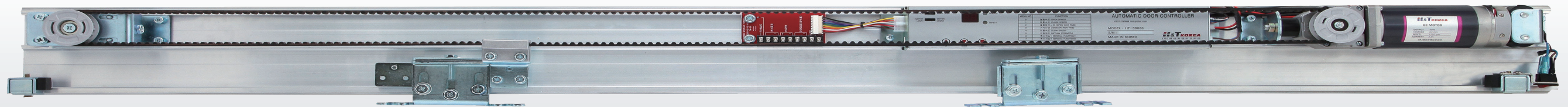
Automatic Door System

> Sliding Autodoor System

HT-S6000 Series (Smooth door - Semi-automatic door)

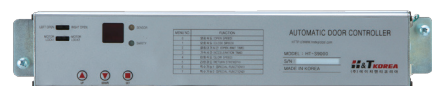


HT-S5000 Series (Exposure type automatic door)



Detailed Features

Controller



- It can deal with all the input signal as the control method of microcontroller.
- It is more economical because it is equipped with the receiver of safety sensor.
- Unlike other companies, it is the SMPS type controller which doesn't need transformer.
- It is possible to set all the functions through simple operation.

Motor



- It is smooth and strong since it is equipped with the speed reducer which is applied by new technology.
- There is no oil leak because of newly developed gasket.
- There is no malfunctioning according to the change of the temperature.
- It is the motor which is possible for control lock.

Hanger



- It prevent distortion of hanger when adjusting the height of a door.
- The height range of hanger is wide.

Product Features

It is easy to set Speed Control, Section Setting, Safety Sensor, and so on according to the convenience of customers because it uses Mycom control method.

It is operated smoothly and precisely because it is equipped with high efficiency DC motor.

It is more convenient than before as it is equipped with the receiver of safety sensor.

It is more smooth and strong since it is equipped with the speed reducer which is applied by new technology.



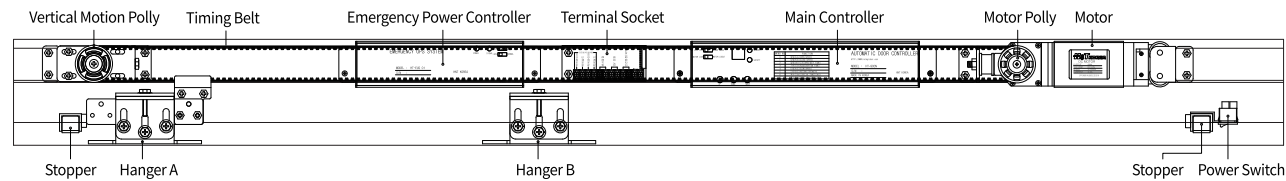
Product Specification

- | | |
|---|---|
| ■ Model : HT-S6000 Series / HT-S5000 Series | ■ Open Speed : 100mm/sec ~ 800mm/sec (Variable) |
| ■ Type : Sliding Automatic Door | ■ Operation Weight : MAX 120Kg |
| ■ Input Power : AC180V ~ 265V (50~60Hz) | ■ Control Method : MICOM PROSSESING CONTROL |
| ■ Motor : DC24V / 90W BRUSH DC MOTOR | ■ Operation Temperature : -20°C ~ +60°C |

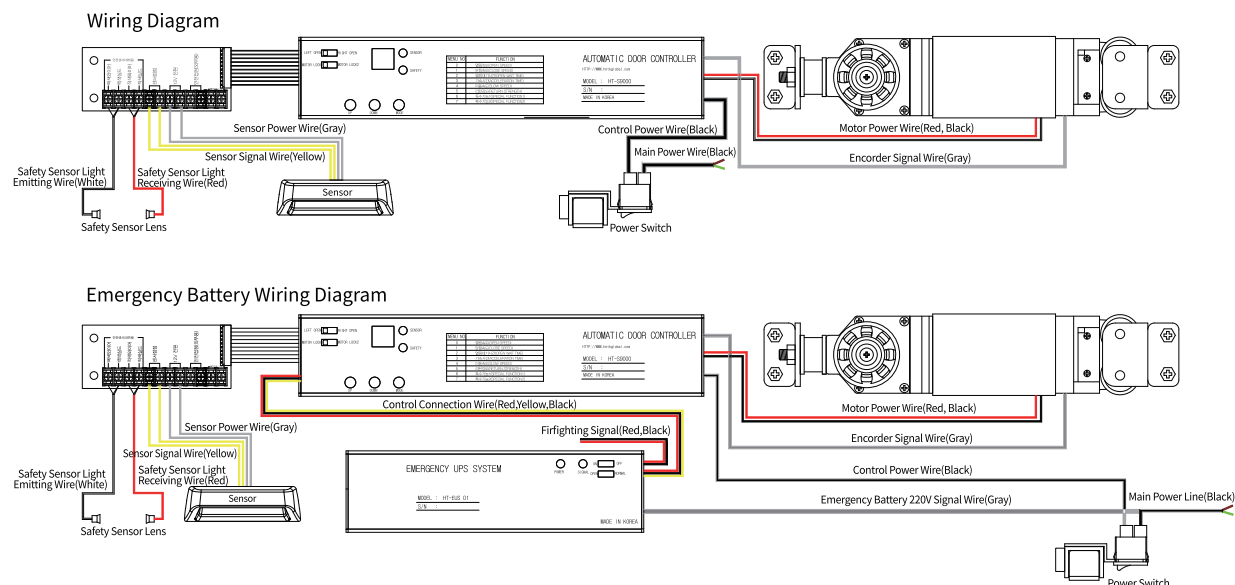
Automatic Door System

Automatic Door Accessories

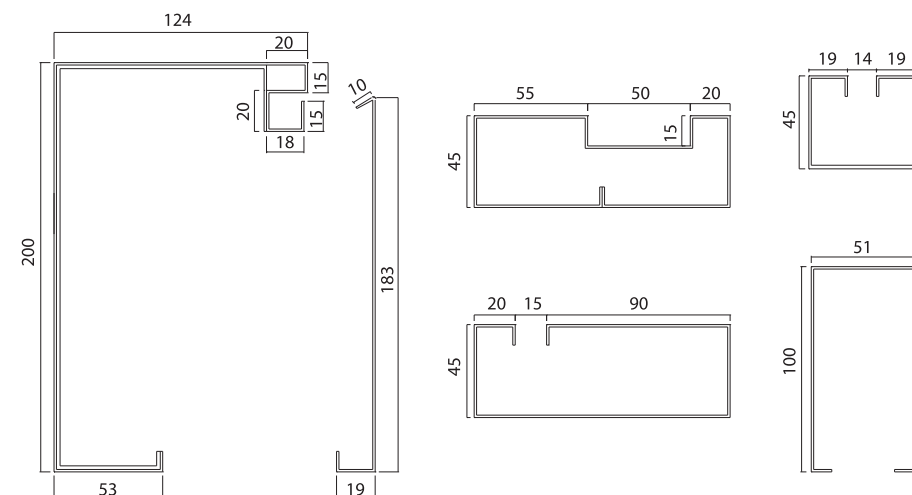
> Machine Placement Diagram



> Wiring Diagram



> Bending Diagram



> Microwave Doppler Radar Sensor

HT-MD500

The microwave motion sensor which is installed at an automatic door to sense the motion of people and objects.



Product Specification

- Power Supply : DC 12~30V, AC 12~24V
- Transmission frequency : 24.125 Ghz
- Output Capacity at the point of contact : DC 24V/1A, AC125V/0.5A (lasts for 0.3 seconds)
- Installation height(MAX) : 3.5m
- Operating Temperature : -20°C ~ 60°C
- Operating Humidity : 0 % ~95 %
- Power Consumption : Up to 2W
- Radiation Power : 5mW/cm²
- Cable length : 2.5m
- IP Protection rating : IP54

Product Features

- Adjusting the angle upwards and downwards is possible.
- It is possible to adjust the sensitivity using the sensitivity adjustor on the left-hand side of the sensor.

> Wireless Touch Switch (Waterproof Type)

HT-SPRING-T1 / T3 (Transmitter)

HT-SPRING-R (Receiver)



Product Specification

Transmitter

- Model : HT-SPRING-T1 / T3
- Frequency : 2.4GHz
- Power Supply : AAA Battery
- Distance : 30m
- Power Consumption : 8mA

Receiver

- Model : HT-SPRING-R
- Power Supply : AC/DC 12V ~ 24V (Non-polarity)
- Sensitivity : ~100dBm

Product Features

- Multiple transmitters connectable
- Antenna-built-in transmitter/receiver
- Applicable to industrial doors owing to long receiving distance
- Keep open function

> Wired Touch Switch (Waterproof Type)

HT-WBT1 / WBT2

The switch which can open and close an automatic door.



Product Specification

- Contact Capacity : 0.5A / 125VAC, 2A/30VDC

Product Features

- Thin and simple design and solid durability
- More economical energy consumption than human sensor or infrared sensor

> > Wireless Proximity Sensor

HT-WAPP

The proximity sensor which can open and close an automatic door when a hand is close to the sensor.



Product Specification

Transmitter

- Model : HT-WAPP
- Frequency : 2.4GHz
- Power Supply : AAA Battery
- Sensing Distance : 12cm
- Distance : 30m
- Power Consumption : 200uA

Receiver

- Model : HT-SPRING-R
- Power Supply : AC/DC 12V ~ 24V (Non-polarity)
- Sensitivity : ~100dBm

Product Features

- Hygienic untact.
- Low power ~ 24 months of use
- IP54 Waterproof.

Automatic Door Accessories

AM/FM Remote Controller

> Proximity Sensor

HT-APSEN

The proximity sensor which can open and close an automatic door when a hand is close to the sensor.



Product Specification

- Power Supply : AC/DC 12V ~ 24V (Non-polarity)
- Contact Capacity : 24V/1A
- Operating Temperature : -10°C ~ 60°C
- Sensing Distance : Adjustable by the user (between 10 ~ 30Cm)
- Power Consumption : Standby 10mA / Active 30mA

Product Features

- This item can be applicable to all devices requiring non-contact switch.
- Distance setting can be adjustable at any time.

> Deadbolt Lock Controller

HT-PT

The Deadbolt Lock Controller which can control the lock and unlock of doors through input switch.



Product Specification

- Lock : Deadbolt Output +12V(Red 1 Line)
- Deadbolt Output GNS(Black 1 Line)
- Deadbolt Limit Switch(Yellow 2 Lines)
- Input Switch : White 2 Lines
- Power Supply : DC 12V(Gray 2 Lines, 1.5A)

Product Features

- Possible to choose NC/NO output contact
- Possible to choose holding time of 3 seconds or 6 seconds

> Safety sensor

HT-TREE (safety 1 beam) / HT-SUN (safety 2 beam)

A safety sensor that detects people between the two beams and prevents them from getting caught in the automatic door



Product Specification

- Power Supply : AC/DC 10~24V (Non-polarity)
- Contact Capacity : 24V/1A
- Operation Temperature : -20°C ~ 60°C
- Sensing Distance : 10m Max
- Power Consumption : Standby 37mA / Active 48mA

Product Features

- Using near-infrared wavelength 950NM
- Consists of light emitter, light receiver and controller
- It can be used for industrial purposes in effective distance of 10m

> Number card key (Waterproof Type)

HT-SKY7

External installation possible
Enhanced access security



Product Specification

- Model : HT-SKY7
- Access registration: 10,000 cards / 100 numbers
- Size : 44mm X 154mm X 21mm
- Power Supply : AC/DC 12V ~ 24V
- Operation Temperature : -20°C ~ 60°C

Product Features

- Individual registration, deletion and optimization of various locking functions

> Wireless Automatic Door Switch for Disabled (Waterproof Type)

HT-DRAGON



Product Specification

Transmitter

- Model : HT-DRAGON
- Frequency : 2.4GHz
- Modulation : FM
- Power Supply : AA Battery
- Distance : 10m
- Power Consumption : 12mA

Product Features

- Available at a variety of places needing opening and closing switch for any kind of purposes
- Various Functions are available through Function Setting
- Can be opened and closed at an emergency through special button usage condition
- Amplify transmission / reception distance by strengthening power circuit

Receiver

- Model : HT-DRAGON-R
- Power Supply : AC/DC 12V ~ 24V
- Sensitivity : -100dBm

> Wired Automatic Door Switch for Disabled (Waterproof Type)

HT-S100/HT-S200/HT-S300



Product Specification

- Power Supply : AC/DC 12V ~ 24V
- Contact Capacity : 24V/1A
- Operation Temperature : -20°C ~ 60°C

Product Features

- Available at a variety of places needing opening and closing switch for any kind of purposes
- Various Functions are available through Function Setting
- Amplify transmission / reception distance by strengthening power circuit

> 2 Button AM Transmitter/Receiver

HAT-315(Transmitter), HAR-315(Receiver)

High-performance wireless remote controller to control automatic door, barrier, and other similar devices.



Product Specification

Transmitter

- Model : HAT-315
- Frequency : 315Mhz / 311.063Mhz / 303.875Mhz
- Modulation : AM
- Power Supply : 23A Battery
- Distance : 20m
- Operating Temp. : -10°C~60°C

Receiver

- Model : HAR-315
- Power Supply : AC 220V±10% / 60Hz
- Frequency : 315Mhz / 311.063Mhz / 303.875Mhz
- Modulation : AM
- Relay Contact Output Power : AC220V / 5A
- Operating Temp. : -10°C~ 60°C

Product Features

- High-sensitive AM transmitter/Receiver
- Sending / receiving distance : 20m
- It is two-channel and convenient to fix the item to the inside of a car because of a car ring.

> 3 Button AM Transmitter/Receiver

HT-AT3(Transmitter), HT-AR3(Receiver)

High-performance wireless remote controller to control automatic door, barrier, and other similar devices.



Product Specification

Transmitter

- Model : HT-AT3
- Frequency : 311.063Mhz
- Modulation : AM
- Power Supply : 23A Battery
- Distance : 30m
- Operating Temp. : -10°C~60°C

Receiver

- Model : HT-AR3
- Power Supply : AC 220V±10% / 60Hz
- Frequency : 311.063Mhz
- Modulation : AM
- Relay Contact Output Power : AC220V / 5A
- Operating Temp. : -10°C~ 60°C

Product Features

- High-sensitive AM transmitter/Receiver
- Sending / receiving distance : 30m
- It is three-channel and possible to be used for various functions as you can set a variety of contact setting.

> 3 Button FM Transmitter/Receiver

HT-FT1/FT3(Transmitter), HT-FR3(Receiver)

High-performance FM transmitter and receiver to control automatic shutter, sliding door, overhead door, chain gate, bar gate, and other similar devices from a distance.



Product Specification

Transmitter

- Model : HT-FT1 / FT3
- Frequency : 447.600MHz
- Modulation : FM FSK
- Power Supply : 1.5V AAA
- Distance : 80m
- Operating Temp. : -10°C~ 60°C

Receiver

- Model : HT-FR3
- Power Supply : AC/DC 12V ~ 24V (Non-polarity) AC220V / 5A (60Hz)
- Frequency : 447.600Mhz
- Modulation : FM FSK
- Relay Contact Output Power : AC220V / 5A
- Operating Temp. : -10°C~ 60°C

Product Features

- High-sensitive FM transmitter
- Sending / receiving distance : 100m(Open sight)
- It is three-channel and possible to set the contact setting.

> SMPS(Adapters)



General SMPS adapter

- 12V 500mA SMPS adapter
- 12V 1A SMPS adapter
- 12V 2A SMPS adapter

LED SMPS adapter

- 12V 150W IP67 Waterproof LED adapter

Automatic Door System

Best Solutions for making society convenient



HNT Building 859, Jingeononam-ro, Onam-eup, Namyangju-si,
Gyeonggi-do, Republic of Korea

Tel : +82-31-575-8016 / +82-31-575-8017

Fax : +82-31-8056-9098

E-mail : hntk@hntk.co.kr

<http://www.hntkglobal.com>