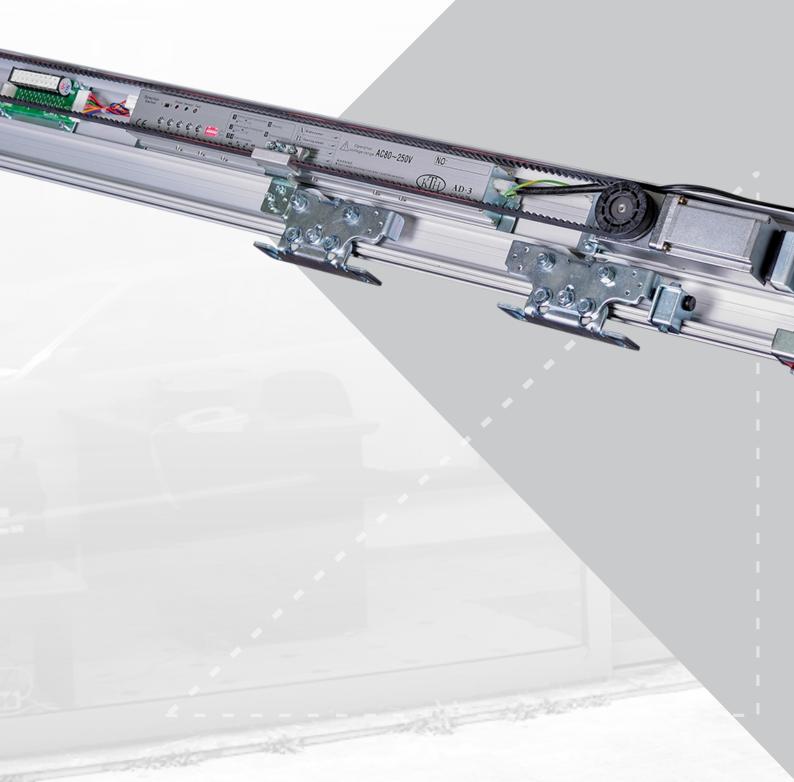
# **M** KTH AD-3 AUTOMATIC DOOR SYSTEM



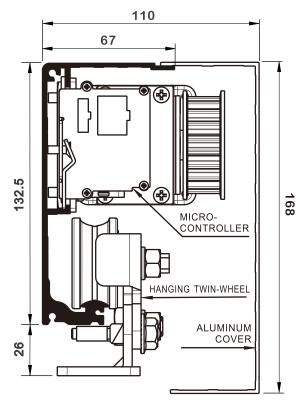
# TABLE OF CONTENTS

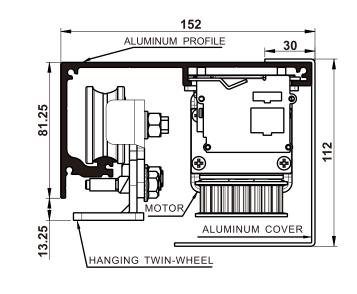
1. SPECIFICATION&PROFILE1
2. COMPONENTS2
3. THE POSITION OF THE HANGING TWIN-WHEEL & INSTALL THE RACK BELT
4. LEGEND OF PART DRAWING4
5.TEST & ADJUST(STANDARD)& ADJUST CONTROLLER-15
6. ADJUST CONTROLLER-16
7. TEST AND ADJUST(EN16005)7
8. ADJUST CONTROLLER-18
9. ADJUST CONTROLLER-29
10. WIRING DIAGRAM OF TH-100(STANDARD WIRING DIAGRAM OF TH-100(EN16005)10
12. TH-125 REMOTE CONTROL & TH-136 DIGITAL SWITCH11
13. HTP-21C SAFETY BEAM & HR942D SENSOR12
14. HR100-CT SENSOR13
15. HR94D1-C1SENSOR14
16. TH-201&TH-200LK LOCK15
17. TH-135-FUNCTION KEY SWITCH

KIII AUTOMATIC DOOR SYSTEM

### SPECIFICATION&PROFILE



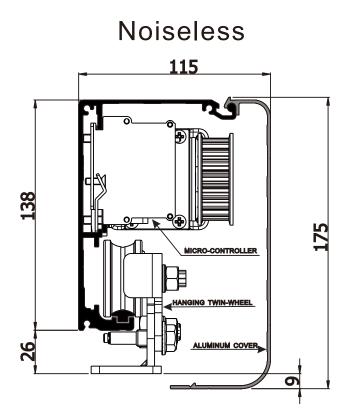




Slim

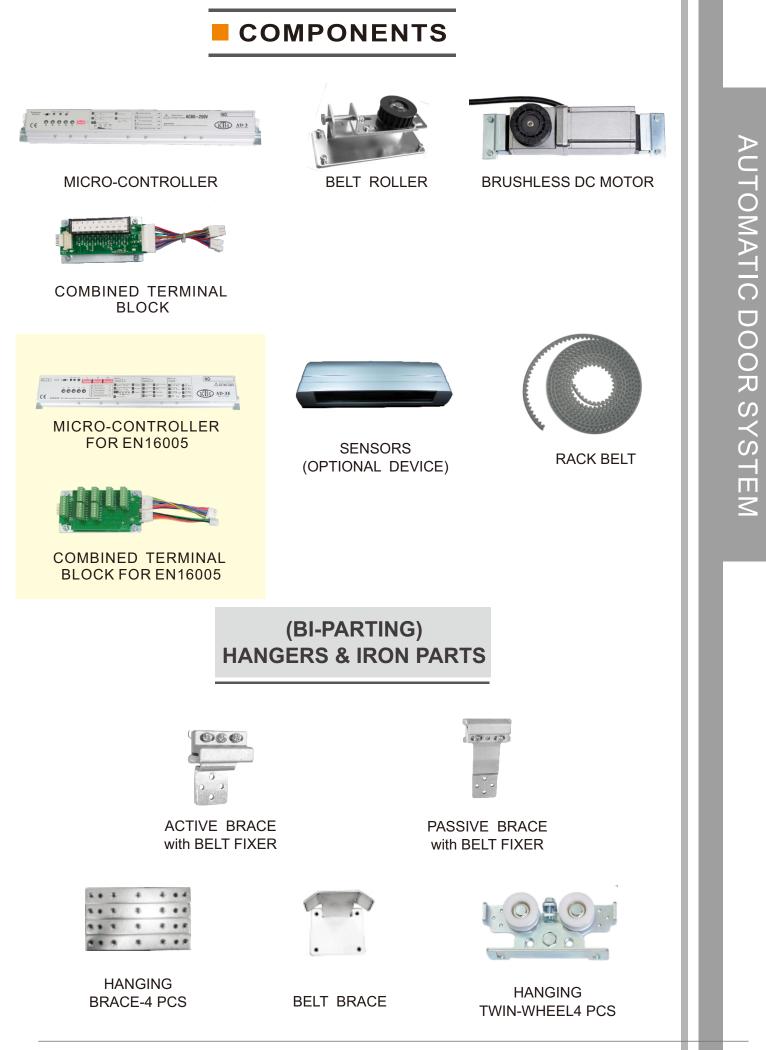
MEASURE : mm

MEASURE : mm



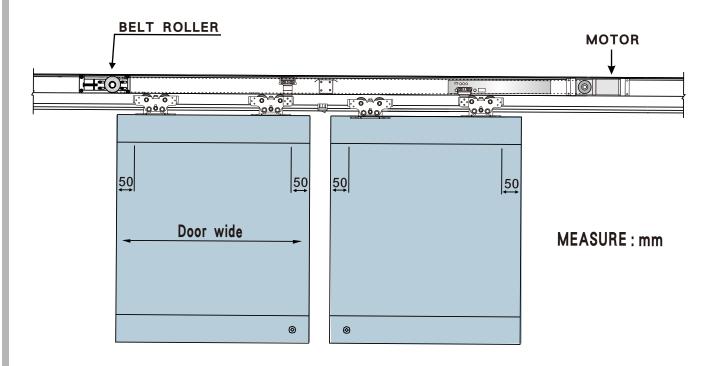
TYPE	Δ.Γ					
TYPE		)-3				
MODEL	SINGLE-WINGED	<b>BI-PARTING</b>				
DOOR WEIGHT	150kgX1(door)	130kgX2(door)				
DOOR WIDTH	DW=500mm~2500mm	DW=500mm~2500mm				
INSTALL WAY	Surface install	Surface install				
MOTOR	DC24V 75W WORM GEAR MOTOR					
CONTROL	USER-FRINEDLY MICRO-CONTROLLER					
POWER CONSUMPTION	75w					
VOLTAGE	AC100V~240V					
ENVIRONMENTAL TEMPERATURE	-20°C~+50°C					
VOLUME	60 decibel(max.)					
STARTING SPEED	600mm(second) 550mm X 2 (second					
STARTING TIMES	0~20 sec. (regulable)					
TRANSMISSION IMPORTANT CONDITION	RACK BELT S8M					
OPEN DOOR RANGE	FULL/HALF-OPEN (regulable)					
PFC POWER EFFICIENCY	0.95(in AC100V Full load)					
TRACTION FORCE	3.5 kg					

MEASURE : mm



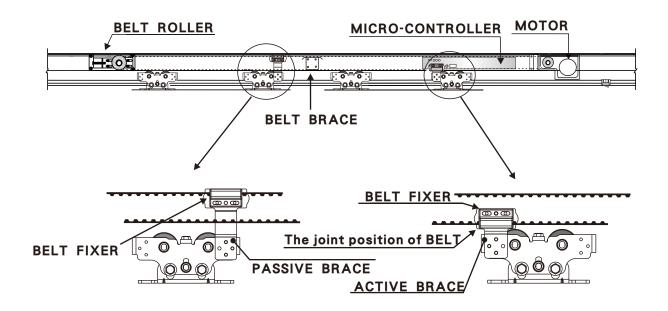
AUTOMATIC DOOR SYSTEM 2

# THE POSITION OF THE HANGING TWIN-WHEEL



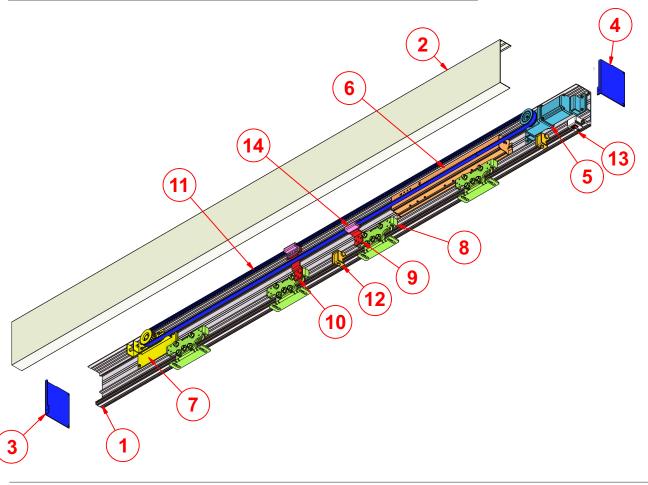
Inside the room, the distance between the HANGING TWIN-WHEEL and the RIM of DOOR must be more than 50mm.

# INSTALL THE RACK BELT

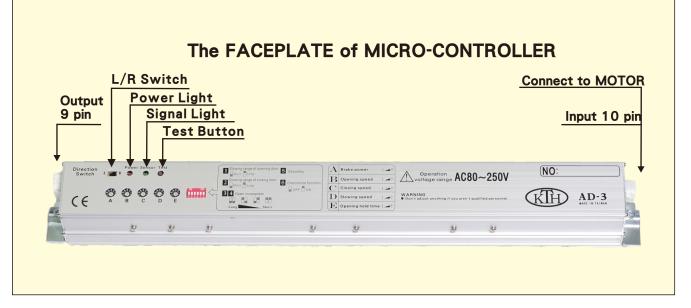


LEGEND OF PART DRAWING

	Parts List	
No.	Parts Name	Quantity
1	"standard" aluminum profile	1
2	"standard" aluminum cover	1
3	Left side end cap	1
4	Right side end cap	1
5	Motor	1
6	Controller	1
7	Belt roller	1
8	Hanging-wheel	4
9	Active brace	1
10	Passive brace	1
11	Rack belt	1
12	Stopper	2
13	Power switch	1
14	Belt fixer	2



# TEST & ADJUST(STANDARD)



Red LED-Power is connected.

Green LED-Input the open door signal.

L/R switch-The direction of the door opening: right/lift(R/L).

# ADJUST CONTROLLER-1

# 

#### A Brake power

The Door-Leaf is slight, the BRAKE POWER is less. Please choose 0~2 if the Door-Leaf is under 50kg. Please adjust number from number 5 if the Door-Leaf is over 80kg.



#### **B** The opening speed of the door

Adjust the OPEN SPEED. Higher number, faster speed. CAUTION: please adjust the number one by one from  $1\,0\,\text{W}$  to  $h\,i\,g\,h.$ 

# ADJUST CONTROLLER-1

### **C** The closing speed of the door

Adjust the CLOSED SPEED. Higher number, faster speed. CAUTION: please adjust the number one by one from  $1\,0\,\text{W}$  to  $h\,i\,g\,h.$ 



#### The slowing speed of the door

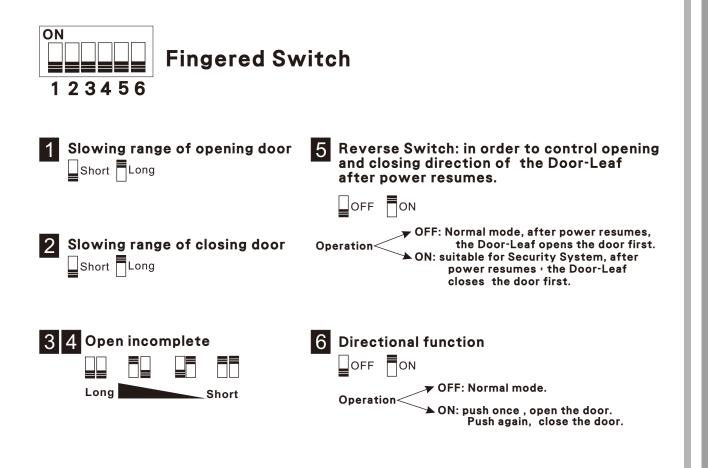
Adjust the SLOW SPEED. Higher number, faster speed. CAUTION: please adjust the number one by one from  $1\,{\rm OW}$  to  $h\,i\,g\,h.$ 



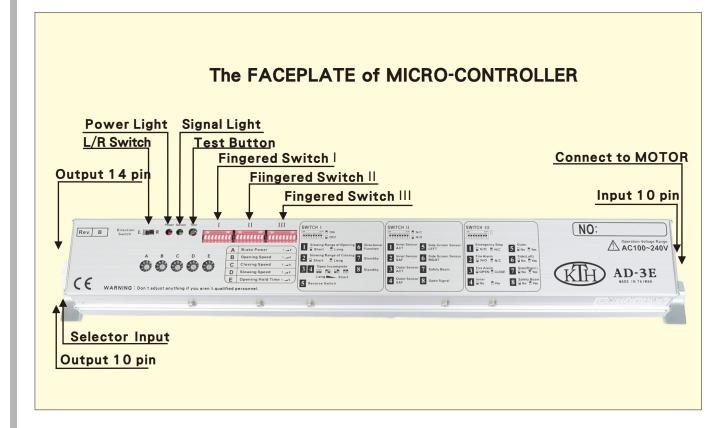
### E Opening hold time

Adjust the HOLD OPEN TIME. Higher number, the hold time is longer.

NUMBER	0	1	2	3	4	5	6	7	8	9
SECOND	0	1	2	3	4	5	6	10	15	20



### TEST AND ADJUST(EN16005)



Red LED-Power is connected.

Green LED-Input the open door signal.

L/R switch-The direction of the door opening: right/lift(R/L).

# ADJUST CONTROLLER-1



#### A Brake power

The Door-Leaf is slight, the BRAKE POWER is less. Please choose 0~2 if the Door-Leaf is under 50kg. Please adjust number from number 5 if the Door-Leaf is over 80kg.



#### **B** The opening speed of the door

Adjust the OPEN SPEED. Higher number, faster speed. CAUTION: please adjust the number one by one from low to high.



#### **C** The closing speed of the door

Adjust the CLOSED SPEED. Higher number, faster speed. CAUTION: please adjust the number one by one from low to high.



#### **D** The slowing speed of the door

Adjust the SLOW SPEED. Higher number, faster speed. CAUTION: please adjust the number one by one from low to high.



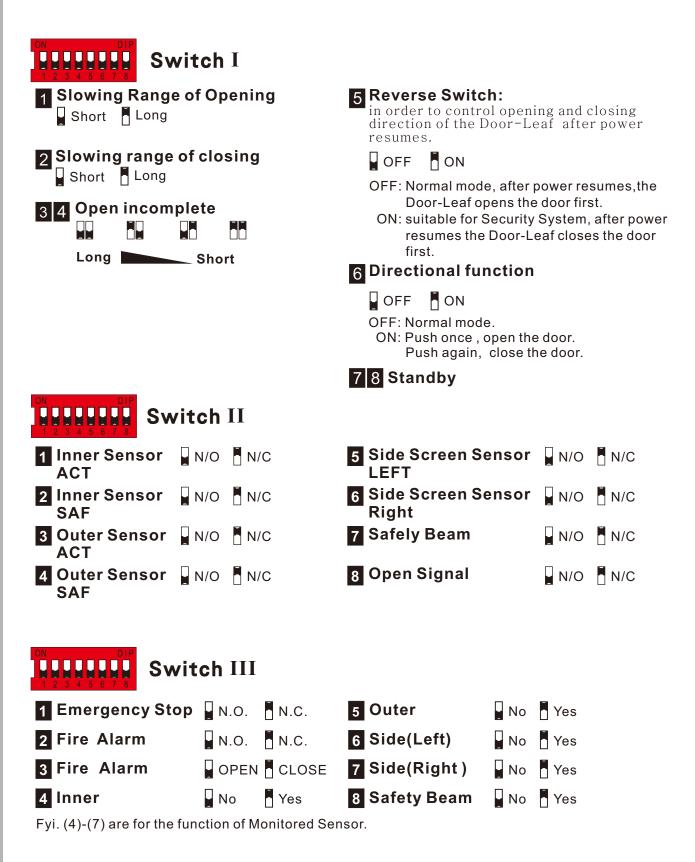
### E Opening hold time

Adjust the HOLD OPEN TIME. Higher number, the hold time is longer.

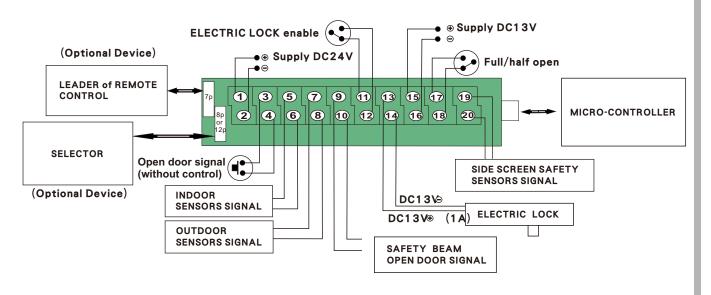
NUMBER	0	1	2	3	4	5	6	7	8	9
SECOND	0	1	2	3	4	5	6	10	15	20

# ADJUST CONTROLLER-2

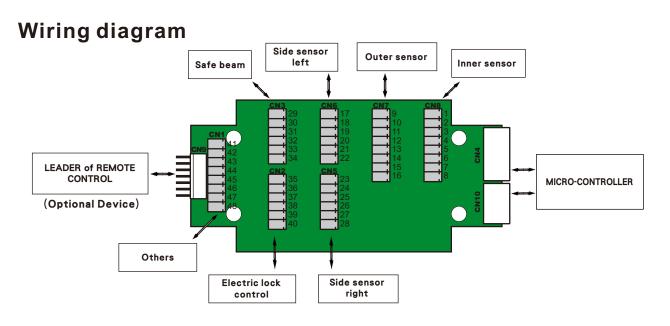
The Slowing Range of Opening and Closing Door is controlled by "Fingered Switch". There are two kinds of choice: SHORT and LONG range.(The setting of production is SHORT ange).



# WIRING DIAGRAM OF TH-100(STANDARD)



# WIRING DIAGRAM OF TH-100(EN16005)



### The ILLUSTRATED of WIRING.



#### COMBINED TERMINAL BLOCK



COMBINED TERMINAL BLOCK MICRO-CONTROLLER

# TH-125 (NEW)-REMOTE CONTROL

- 1.Transmitter is 20 bit digital code that is much safety and use fix-frequency component to transmit signal. The frequency of transmitter won't be affected by battery consumption and outside environment.
- 2.Wireless receiver use super-heterodyne from U.S.A.. The receiver is stably, anti-interference, no extra-wave.
- 3.Control unit is 8 bit single chip. The order is accurate and action is correct.



# TH-136-MULTIFUNCTION DIGITAL SWITCH

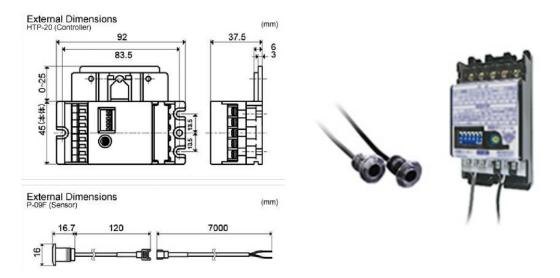
### 1. Particular Memory Mode according different sessions to work.

- 2.Safety Alarm by itself to avoid danger happening.
- 3.Optional Language for easier operate in your location
- 4.Date and Time setting
- 5.Easy to install and program.
- 6.Beautiful and clear LCD panel
- 7.With buttons lock-on function

VOLUME	124.5X80X38.5(mm)
NET WEIGHT	0.46kg
ACCESSORIES	One piece of 5M cable



### HTP-21C-SAFETY BEAM(HOTRON)



- 1.Beam sensor consisting of a controller and a single or dual set of infrared beams.
- 2.No need to use tools for wiring connection with compact controller.
- 3. Available to select penetration set-up or direct reflection set-up by setting switch.
- 4.Blink(under penetration setting), ON or OFF of LED tells you about the most suitable setting of volume adjustment by microcomputer control.

**HR942D-INFRARED RAY SENSOR** 



- 1. The sensor body can be angled at up to 10° to ensure timely detection of fast moving traffic.
- 2. Presence timer settings adjustable to 2, 15 60 and 180 seconds.
- 3. The sensor microprocessor automatically takes countermeasures against adverse conditions such as falling snow and strong sunrays and electrical noise.
- 4. Quick installation and easy to adjust.
- 5. Active area is very specific with high degree of adjustment flexibility.
- 6.12-24V AC-DC operations, Normal Open relay.
- 7. Simple design to suit with every Automatic Door.

# HR100-CT-ACTIVATION+MONITORED SAFETY(HOTRON)

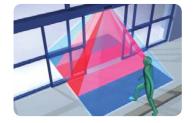
Advanced Unidirectional Detection Sensor with Monitored Safety and Unique"Door Learn" Ability



Pioneering super sensor offers pedstian door activation and unprecedented safety at mounting heights of up to 3m







### Energy Efficient

Intelligent unidirectional detection ability reduces door hold open time by 20% and building energy loss by 6% in a standard installation.

### Unparalleled Pedestrian Safety

Unique ability to memorize door motion allows the infrared safety unparalleled pedestrian safety.

### Versatile

Flexibility to adjust the door activation and pedestrian safety detection zones independently makes the HR100-CT the ideal sensor for every sliding door installation

### Ease of Installation

All the information necessary to install the HR100-CT sensor is printed on the sensor body

# HR94D1-C1- MONITORED SAFETY(HOTRON)

Monitored Sliding Door Side Screen or Door Threshold

Pedestrian Safety Sensor.



# e CE

### ACCESSORY FOR EN16005 OPERATORS



Versatile and simple to set up, the HR94D1-C1 protects pedestrians from the dangers of both opening and closing sliding doors at mounting heights of up to 3m

### Sliding Door Side Screen Pedestrian Safety

Protect pedestrians from the dangerous leading door edge during door open cycles with a dense curtain of infrared safety

### Door Threshold Pedestrian Safety

Safeguard pedestrians from hazardous door closures due to a shallow but wide infrared safety curtain that is monitored once per door cycle

### Solid & Reliable

Avoid the risk of loss or damage to individual sensor parts through a one piece sensor body construction

### Simple to Install

Install with ease without the need for a remote control thanks to comprehensive instructions printed on the sensor body

### TH-201-MEGNETIC LOCKS



- 1. Main subject molded integrally and it can simplify installation procedures
- 2.Use aluminum alloy frame, strong crashworthy
- 3.Compact size, it can follow the installation (door type, sliding type)

# TH-200LK-ELECTRIC BOLT



- 1.Don't increase the temperature while it running and working.
- 2. Tough and durable. There is no problems about the lock be lodged.

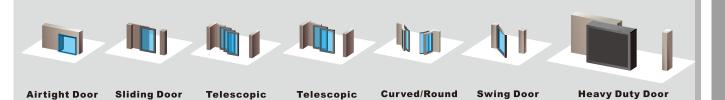
# TH-135-FUNCTION KEY SWITCH



1.It's is suitable any Door Operator of KTH.
2.Easy to install and adjust.

### • SIX PRESS FUNCTION

1. DOOR OPEN	2. IN ONE-WAY
3. AUTO	4. OUT ONE-WAY
5. DOOR CLOSE	6. FULL/HALF



Door

2-Wings Door

### (III) KING TA HAN TECHNOLOGY CO., LTD

**3-Wings Door** 

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AUTOMATIC DOOR SYSTEM 16