Automatic Door Systems



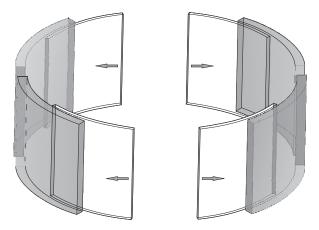
http://www.kthtw.com e-mail: kth@kthtw.com

OPERATION INSTRUCTION

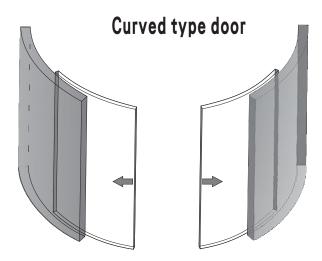
$\textcircled{ROUND TYPE DOOR / CURVED TYPE DOOR <math>\overset{@}{\$}$

Our company has the following series of automatic door, please contact with our distributors/representations.

Round type door



Installation: Please in accordance with the instruction of Round Type Door.



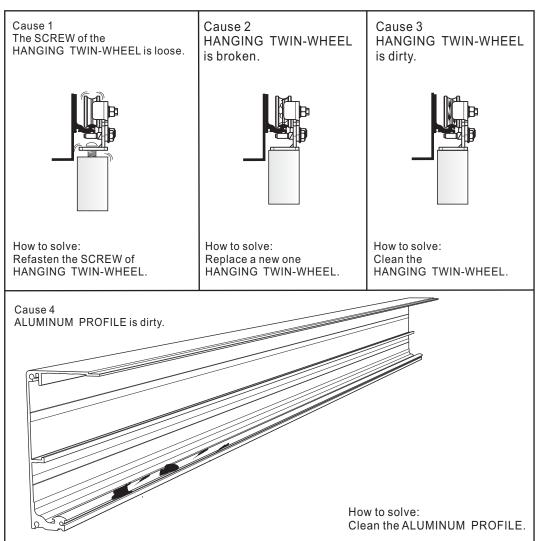
KIH AD-3

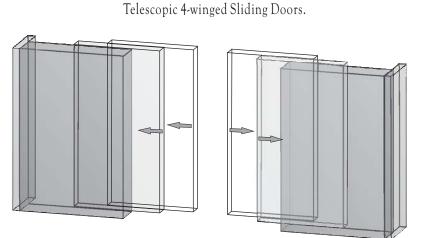
TELESCOPIC SLIDING DOORS



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The Door-Leaf sends out abnormal noise in operating.





Installation: Please in accordance with the instruction of Telescopic 4-winged Sliding Doors.

Telescopic 2-winged Sliding Doors.



Installation: Please in accordance with the instruction of Telescopic 2-winged Sliding Doors.



16 troubleshooting

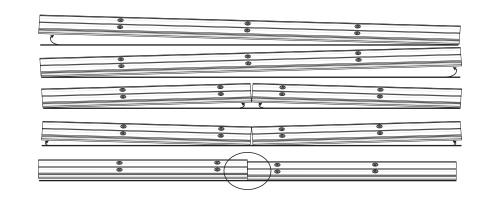
Door-Leaf isn't smooth in operating.

KIH AD-3

Cause 1 HANGING TWIN-WHEEL is not at vertical position.	Cause 2 1.Door touches Ground Rail. 2.Ground Rail is dirty.	Cause 3 ALUMINUM PROFILE is not vertical			
How to solve: Readjust the HANGING TWIN-WHEEL.	How to solve: 1.Readjust the distance between Door and Ground Rail. 2.Clean up the Ground Rail.	How to solve: Readjust the vertical position of the ALUMINUM PROFILE.			

Cause 4

ALUMINUM PROFILE is not at vertical position.





KIH AD-3

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I COMPONENTS SPECIFICATION $\frac{2}{3}$

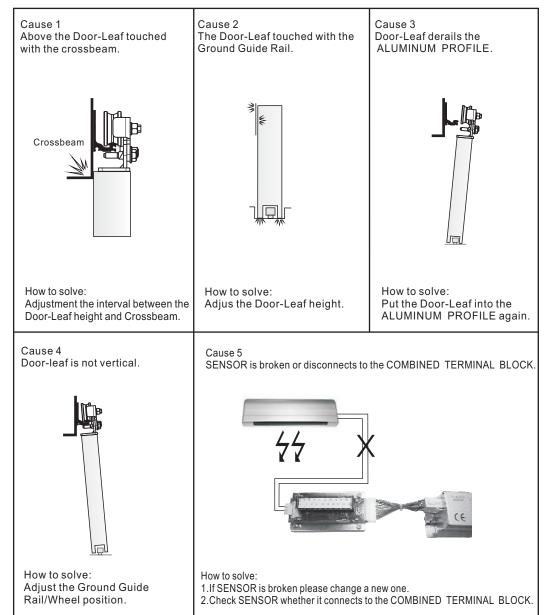


TROUBLESHOOTING (KIH) AD-3 6

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C

Door can't be opened or closed.





(III) AD-3 /15/ TROUBLESHOOTING

ROUBLESHOOTING				
2	СНЕСК	HOW TO SOLVE		
	Broken circuit.	Check the broken circuit position.		
	The Power Switch	Open the POWER SWITCH.		

PROBLEMS	REASONABLE	СНЕСК	HOW TO SOLVE			
DOOR CAN'T BE MOVED.	1.No power.	Broken circuit.	Check the broken circuit position.			
		The Power Switch is not opened.	Open the POWER SWITCH.			
	2.The door is locked.	Door is locked and no movement action.	Open the DOOR LOCK.			
	3.The sensor is broken.	Signal light is WORKING.	Check the MICRO-CONTROLLER.			
		Signal light is OUT OF WORKING.	Check the CIRCUIT OF SENSOR or change a new one SENSOR.			
SPEED	1.Speed is too slow.	Check the Speed at KNOB of MICRO-CONTROLLER.	Adjust the Speed of Open/Closed Door.			
	2.Door runs into the obstructor, then cause the Door moving slow.	Installation problem or dirty.	Reinstall or clean the ALUMINUM PROFILE.			
	3.Door is difficult to move.	Turn off the power.Use hand to move the Door, besides, check the Ground Guide Rail whether it is dirty.	Clean the Ground Guide Rail.			
		Check the HANGING TWIN-WHEEL whether it is broken.	Change a new one.			
		Check the Door Bolt in the door bottom whether it is loosen.	Fix the Door Bolt.			
		Check whether the Ground Wheel is broken.	Change a new Ground wheel.			
DOOR CAN'T FULL OPEN.	In the Half-Open way.	Check the Knob/Switch.	. Turn on to Full Open.			
DOOR CAN'T CLOSE.	1.In the Full-Open way.	The SENSOR keeps working.	Check wiring or change a new SENSOR.			
	2. The Door opens suddenly while it is moving to close .	The SENSOR probably is installed with something wrong.	Adjust the SENSOR or change a new one.			

\mathbb{R} AD-3 $2/\mathbb{T}$

TECHNICAL SPECIFICATION

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ТҮРЕ	AD-3				
MODEL	SINGLE-WINGED	BI-PARTING			
DOOR WEIGHT	150kg X1(door)	130kg X2(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	RE -20℃~+50℃				
VOLUME	60decit	oel(max.)			
STARTING SPEED	600mm(second)	550mm X 2 (second)			
STARTING TIMES	0~20 sec.	(regulable)			
TRANSMISSION IMPORTANT CONDITION	RACK BELT S8M				
OPENING DOOR RANGE	FULL/HALF-OPEN (regulable)				
PFC POWER EFFICIENCY	0.95(in AC100V Full load)				
TRACTION FORCE	3.5 kg				



SECTIONAL DRAWING

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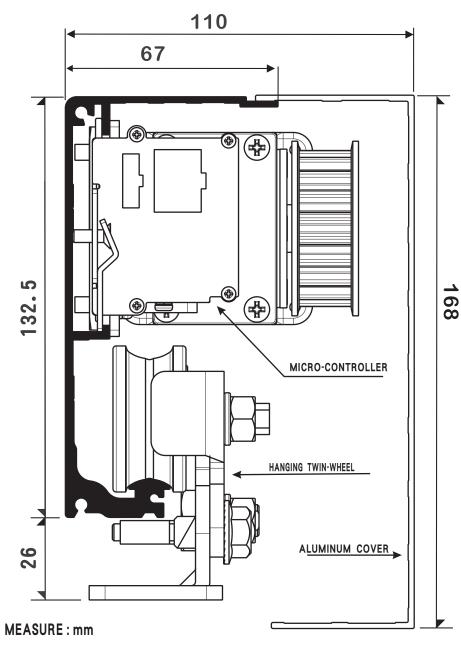
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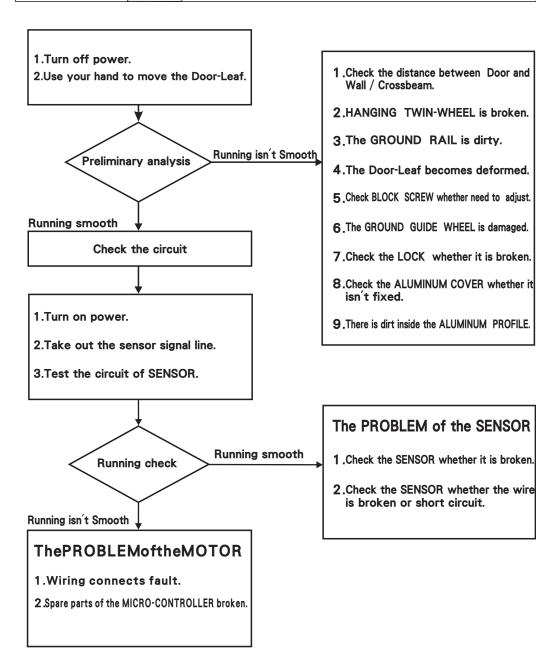
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(III) AD-3 /13/ ADJUSTMENT



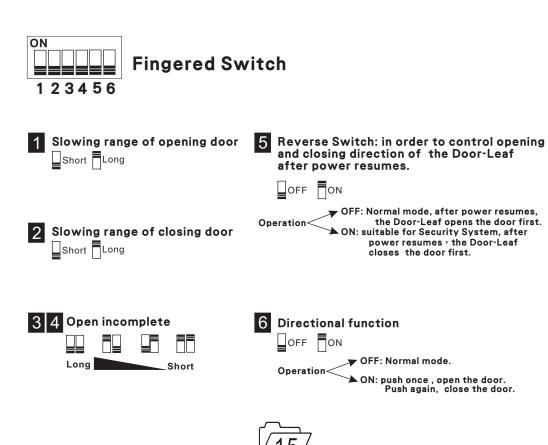
The slowing speed of the door

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

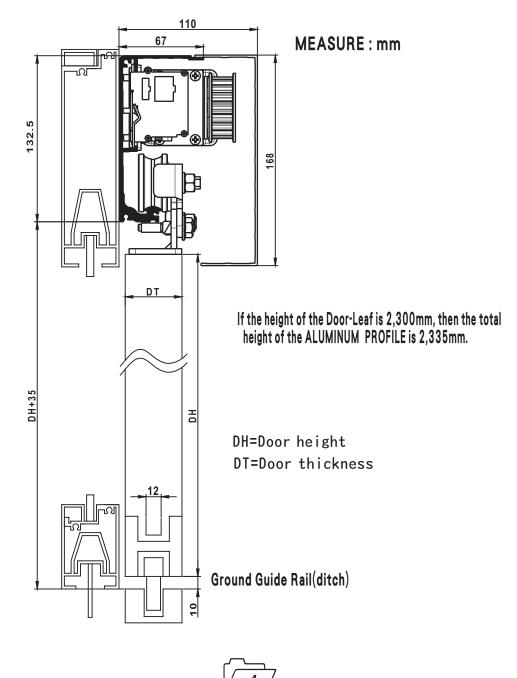
E Opening hold time

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

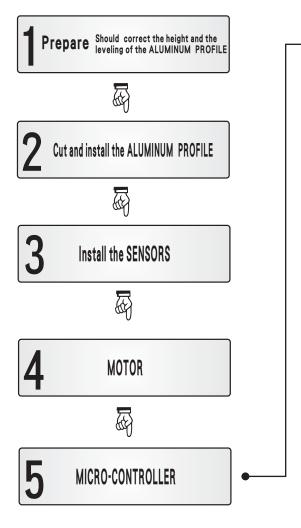




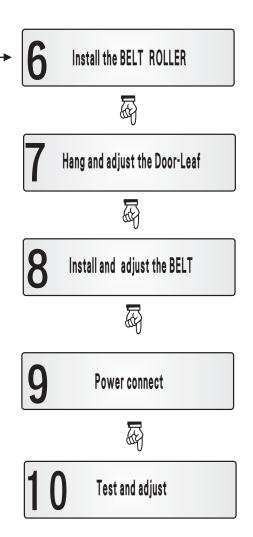


(KIH) AD-3

INSTALL PROCEDURE



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3 **ADJUSTMENT** (KIH) AD-3

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 range).

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When USER regulates the Speed the Range and the Brake; it will start to accord what USER sets after twice running.

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.



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.

С

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.





12/ test and adjust

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(KIH) AD-3

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Before turn on the power, make sure the Door-Leaf can be smoothly moved, and the electric link is correct at first.

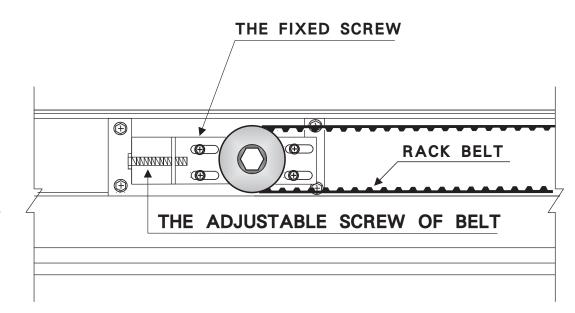
1. SYSTEM PROGRAM REMEMBER

After turn on the power, the MICRO-CONTROLLER will remember the distance and the range.

2. ADJUST

(KIH) AD-3

Connect to MOTOR L/R Switch **Power Light** Output The FACEPLATE of MICRO-CONTROLLER 9 pin Input 10 pin Signal Light **Test Button** NO: Direction Power Sensor Tes D Straingroup Operation AC100~240V 13 Opening speed គ្រ KIH 00 BB AD-3 CE



INSTALL THE BELT ROLLER

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Red LED-Power is connected.

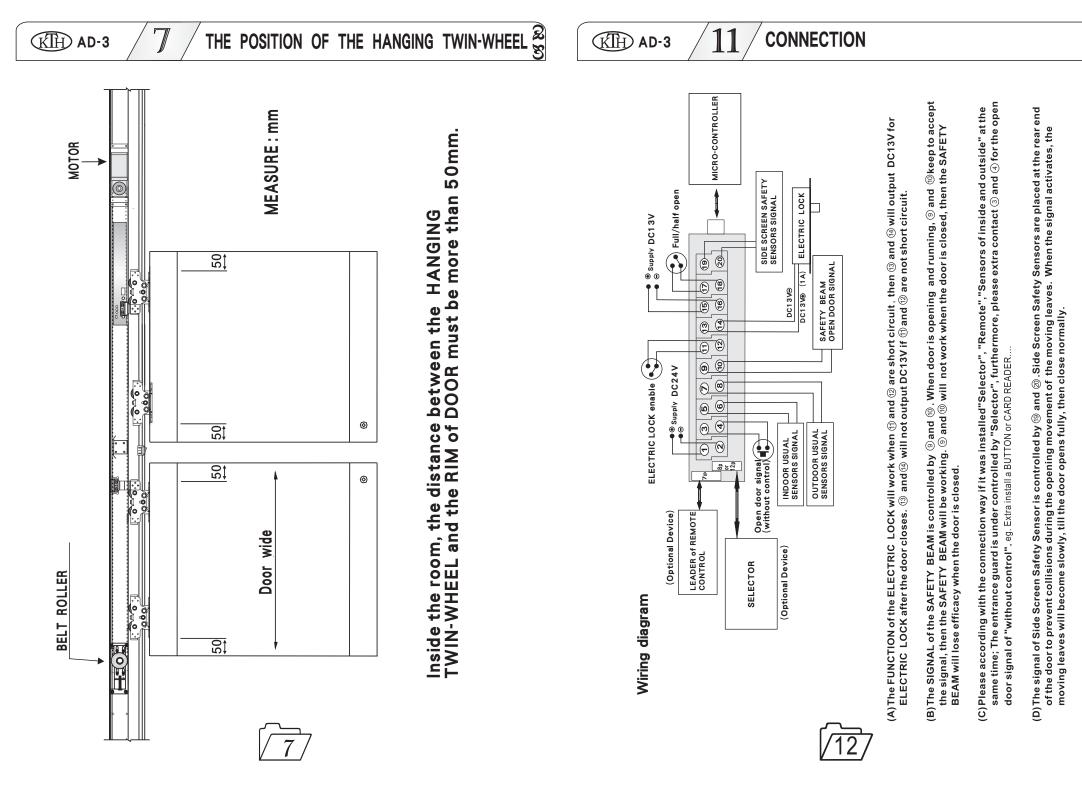
Green LED-Input the open door signal.

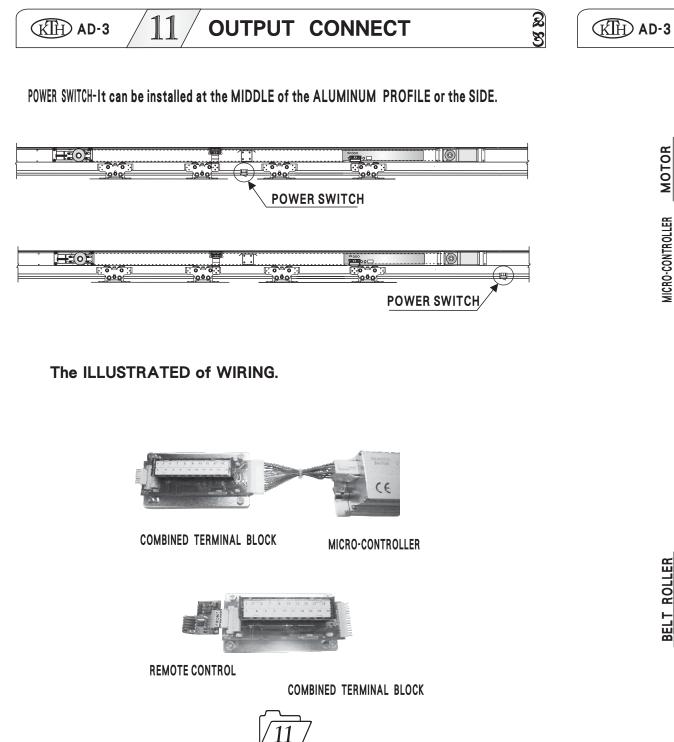
L/R switch-The direction of the door opening: right/lift(R/L).

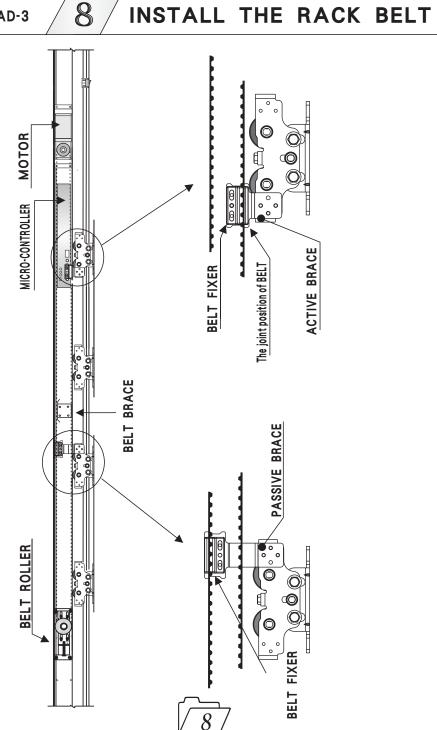
TENSION of BELT can be adjusted by the ADJUSTABLE SCREW of BELT, after that, must tighten the FIXED SCREW of BELT.



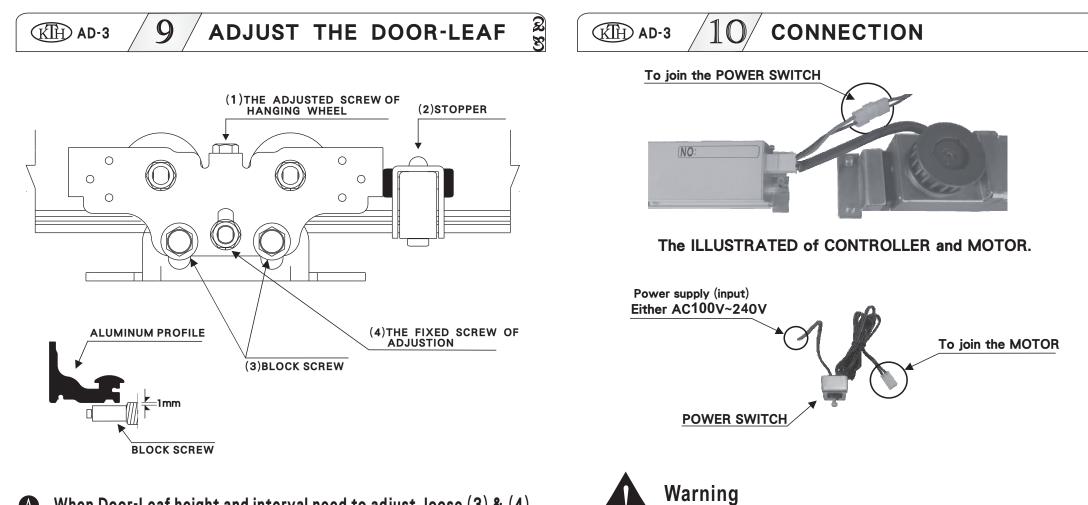




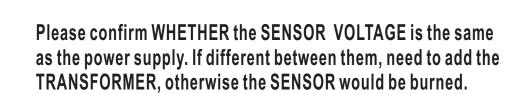




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- When Door-Leaf height and interval need to adjust, loose (3) & (4) at first, then adjust (1).
- **B** Need to fasten (3) & (4)after adjust **A** .
- Install above-mentioned (2) after make sure the DOOR OPEN POSITION.



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