

Automatic Door Systems



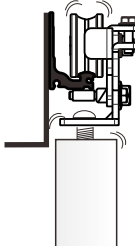
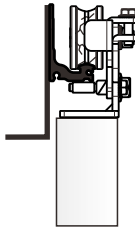
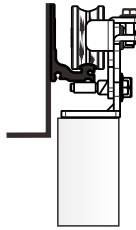
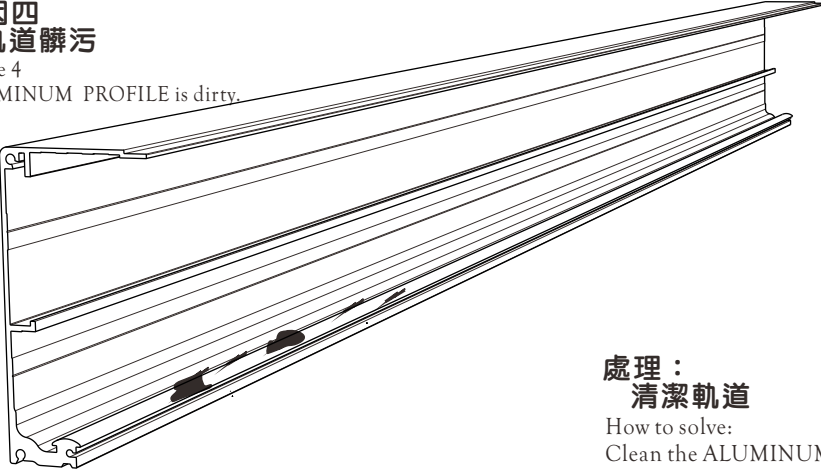
L-2

Single-winged / Bi-parting

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

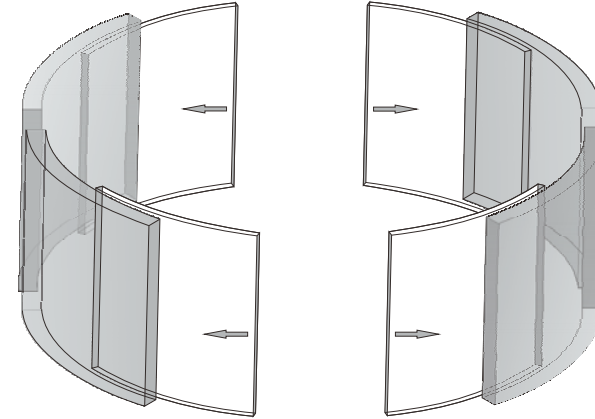
使用説明
OPERATION INSTRUCTION

狀況三 門扇運行有雜音 The Door-Leaf sends out abnormal noise in operating.

<p>原因一 吊輪螺絲鬆動</p> <p>Cause 1 The SCREW of the HANGING TWIN-WHEEL is loose.</p>  <p>處理： 重新將吊輪螺絲旋緊</p> <p>How to solve: Refasten the SCREW of HANGING TWIN-WHEEL.</p>	<p>原因二 吊輪損壞</p> <p>Cause 2 HANGING TWIN-WHEEL is broken.</p>  <p>處理： 更換吊輪</p> <p>How to solve: Replace a new one HANGING TWIN-WHEEL.</p>	<p>原因三 吊輪髒污</p> <p>Cause 3 HANGING TWIN-WHEEL is dirty.</p>  <p>處理： 清潔吊輪</p> <p>How to solve: Clean the HANGING TWIN-WHEEL.</p>
<p>原因四 軌道髒污</p> <p>Cause 4 ALUMINUM PROFILE is dirty.</p>  <p>處理： 清潔軌道</p> <p>How to solve: Clean the ALUMINUM PROFILE.</p>		

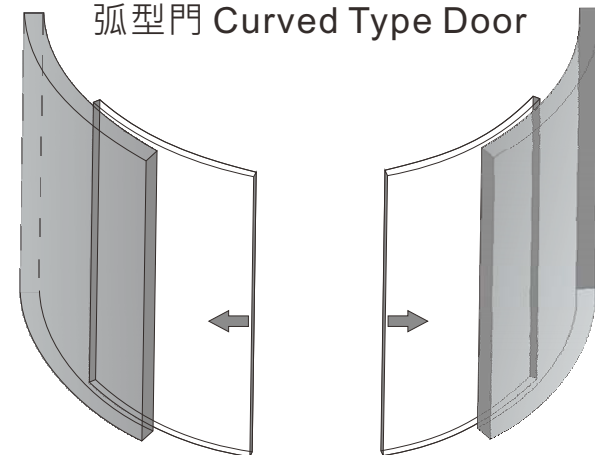
本公司另有以下各類自動門配備,請洽本公司各經銷商
Our company has the following series of automatic door, please contact with our distributors/representations.

圓型門 Round type door



按裝方式請參考圓型門按裝說明
Installation: Please in accordance with the instruction of Round Type Door.

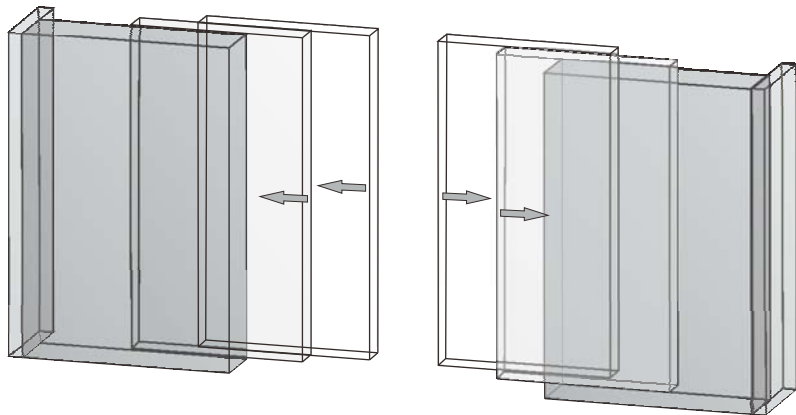
弧型門 Curved Type Door



按裝方式請參考弧型門按裝說明
Installation: Please in accordance with the instruction of Curved Type Door.

四扇走雙向門

Telescopic 4-winged Sliding Doors.

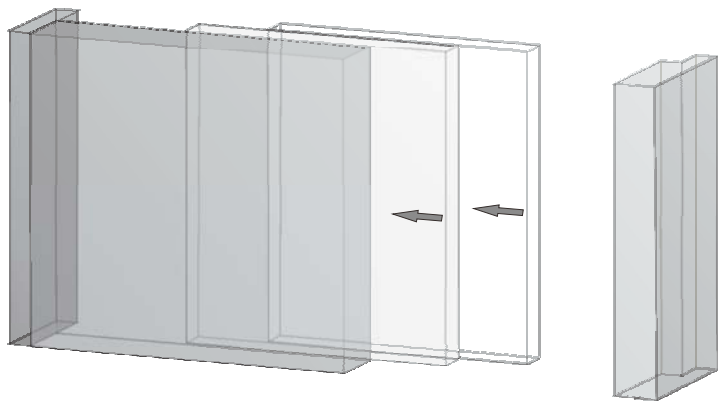


安裝方式請參考四扇走雙向門安裝說明

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

雙扇走單向門

Telescopic 2-winged Sliding Doors.



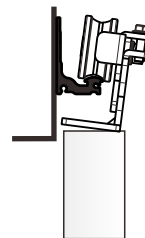
安裝方式請參考雙扇走單向門安裝說明

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

狀況二 門扇運行不順暢 Door-Leaf isn't smooth in operating.

原因一 吊輪安裝未垂直

Cause 1
HANGING TWIN-WHEEL is not at vertical position.

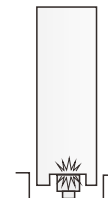


處理：
重新調整吊輪

How to solve:
Readjust the HANGING TWIN-WHEEL.

原因二 門扇與地軌有磨擦或地軌髒污

Cause 2
1. Door touches Ground Rail.
2. Ground Rail is dirty.

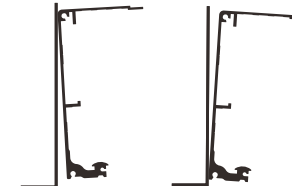


處理：
1. 調整門扇高度
2. 清理地軌的髒污

How to solve:
1. Readjust the distance between Door and Ground Rail.
2. Clean up the Ground Rail.

原因三 軌道未垂直

Cause 3
ALUMINUM PROFILE is not vertical.

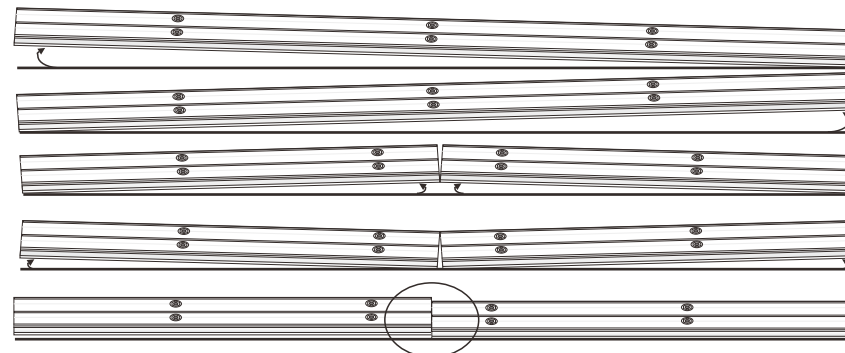


處理：
重新調整軌道的垂直位置

How to solve:
Readjust the vertical position of the ALUMINUM PROFILE.

原因四 軌道未水平

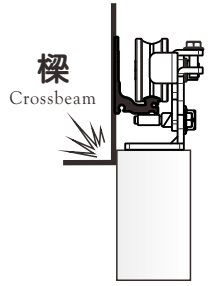
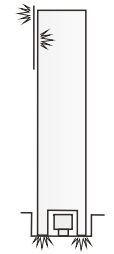
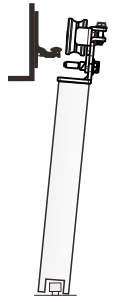
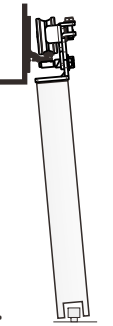
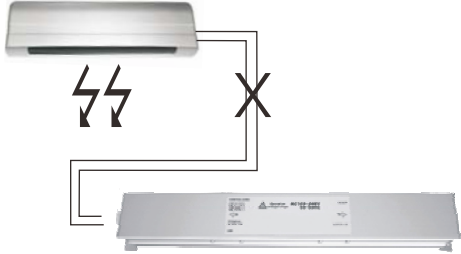
Cause 4
ALUMINUM PROFILE is not at vertical position.



處理：
重新調整軌道的水平位置

How to solve:
Readjust the level position of the ALUMINUM PROFILE.

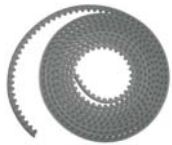
狀況一 門扇無法開啟或關閉 Door can't be opened or closed.

<p>原因一 門扇上方與橫樑接觸</p> <p>Cause 1 Above the Door-Leaf touched with the crossbeam.</p>  <p>處理： 調整門扇與橫樑間隙</p> <p>How to solve: Adjustment the interval between the Door-Leaf height and Crossbeam.</p>	<p>原因二 門扇與地軌接觸</p> <p>Cause 2 The Door-Leaf touched with the Ground Guide Rail.</p>  <p>處理： 調整門扇高度</p> <p>How to solve: Adjus the Door-Leaf height.</p>	<p>原因三 門扇脫軌</p> <p>Cause 3 Door-Leaf derails the ALUMINUM PROFILE.</p>  <p>處理： 重新將門扇置入軌道</p> <p>How to solve: Put the Door-Leaf into the ALUMINUM PROFILE again.</p>
<p>原因四 門扇未垂直</p> <p>Cause 4 Door-leaf is not vertical.</p>  <p>處理： 調整地軌位置</p> <p>How to solve: Adjust the Ground Guide Rail/Wheel position.</p>	<p>原因五 感應器故障或未接線至控制器</p> <p>Cause 5 SENSOR is broken or disconnects to the MICRO-CONTROLLER.</p>  <p>處理：</p> <ol style="list-style-type: none"> 1. 若感應器故障則更換新的感應器 2. 檢查感應器是否連接至控制器 <p>How to solve: 1.If SENSOR is broken please change a new one. 2.Check SENSOR whether it connects to the MICRO-CONTROLLER.</p>	

1. 套件規格	COMPONENTS SPECIFICATION.....	P1
2. 產品規格	TECHNICAL SPECIFICATION.....	P2
3. 機械箱剖面圖	SECTIONAL DRAWING.....	P3
4. 機械箱高度圖	INSTALLATION DRAWING.....	P4
5. 按裝流程圖	INSTALL PROCEDURE.....	P5
6. 尾輪座按裝	INSTALL THE BELT ROLLER.....	P6
7. 吊滑輪位置圖	THE POSITION OF THE HANGING TWIN-WHEEL....	P7
8. 皮帶按裝	INSTALL THE RACK BELT.....	P8
9. 門扇調整	ADJUST THE DOOR-LEAF.....	P9
10. 電氣連接	CONNECTION.....	P10
11. 信號連接	OUTPUT CONNECT.....	P11
12. 故障檢查流程	BROKEN CHECKING.....	P12
13. 故障排除	TROUBLESHOOTING.....	P13

雙開五金配件

(BI-PARTING) HANGERS & IRON PARTS



齒型皮帶
RACK BELT



MICRO-CONTROLLER



Dc 直流蝸桿馬達
DC WORM GEAR MOTOR



被動板一組
PASSIVE BRACE
1 PCS



主動板一組
ACTIVE BRACE
1 PCS



吊輪組四組
HANGING
WHEEL 4 PCS



尾輪座一組
BELT ROLLER
1 PCS

單開不用
Not including for
single-winged

單開: 2 組
2 PCS for
single-winged



電線固定座 5 個
WIRE CLAMP -
5 PCS



小阻輪 4 個
BLOCK SCREW -
4 PCS



門扇固定擋片 2 個
STOPPER -
2 PCS



主被動板螺絲 8 個
SCREW -
8 PCS



門扇固定螺絲 8 個
DOOR SCREW -
8 PCS



門扇吊板 4 個
HANGING BRACE -
4 PCS

單開: 5 個
5 PCS for
single-winged

單開: 2 個
2 PCS for
single-winged

單開: 2 個
2 PCS for
single-winged

單開: 4 個
4 PCS for
single-winged

單開: 4 個
4 PCS for
single-winged

單開: 2 個
2 PCS for
single-winged



集線器(選配)
COMBINED
TERMINAL BLOCK
(OPTIONAL DEVICE)



紅外線感應器(選配)
SENSORS
(OPTIONAL DEVICE)

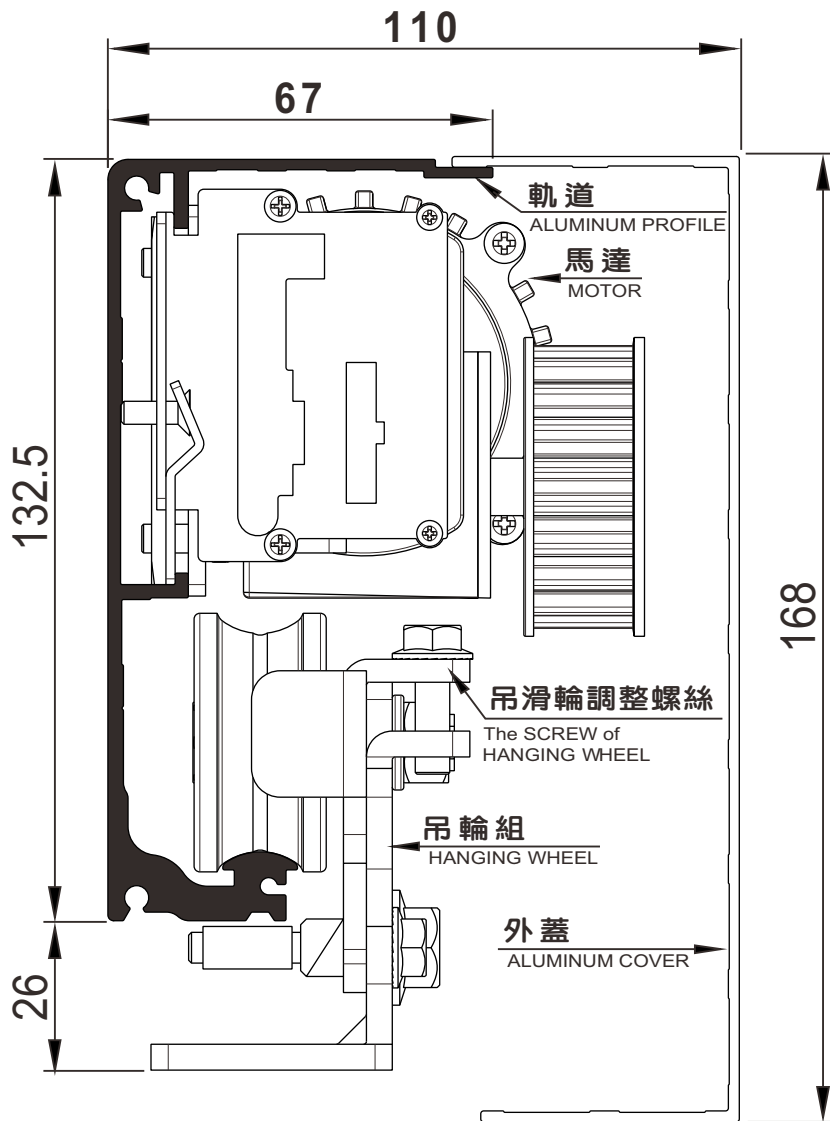


數位式行程選擇開關(選配)
L-138
Multifunction Digital Switch
(Optional Device)

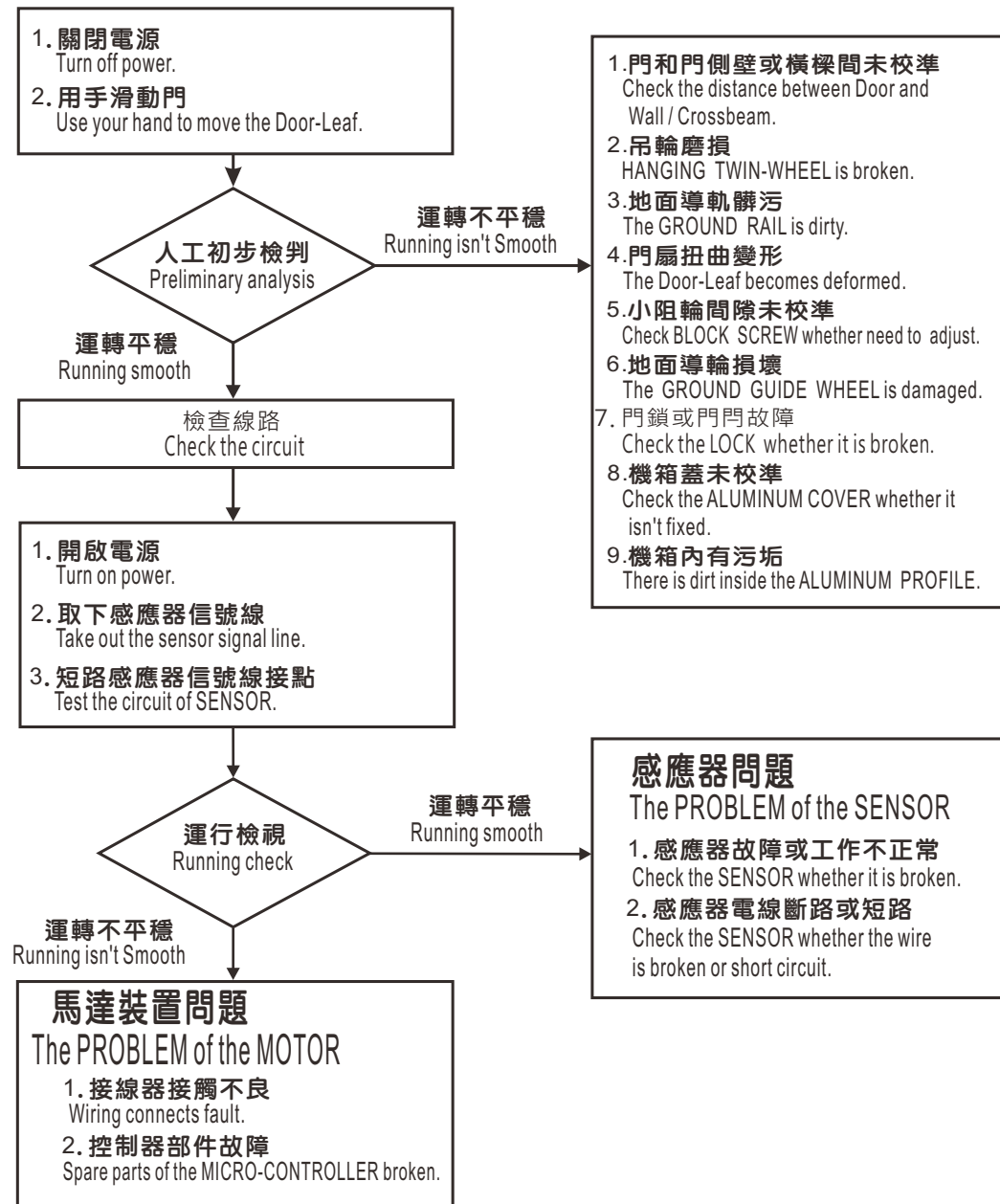
PROBLEMS	REASONABLE	CHECK	HOW TO SOLVE
DOOR CAN'T BE MOVED.	1.No power.	Broken circuit.	Check the broken circuit position.
		The Power Switch is not opened.	Open the POWER SWITCH.
	2.The door is locked.	Door is locked and no movement action.	Open the DOOR LOCK.
3.The sensor is broken.	Signal light is 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.

問題	可能原因	檢查方向	排除操作
無開門動作	1. 無電源	電路斷路	檢查電路斷點
		電源開關未開	開啟電源開關
	2. 門被鎖住	門鎖鎖住，控制器無動作	開啟門鎖
	3. 感應器故障	感應信號燈有動作	檢查控制器
感應信號燈無動作		檢查感應器線路或更換感應器	
速度太慢	1. 速度設置太慢	控制器速度調整	調整開門或關門速度
	2. 門扇遇到阻礙物，變成慢速	軌道施工不良或髒污	重新施工或清理軌道
	3. 門扇滑動阻力大	關閉電源，用手使門滑動並檢查地面導軌是否有髒污	清理地面導軌
		吊滑輪磨損	更換吊滑輪
		檢查門扇底部的鎖門是否鬆動	固定好鎖門
檢查地面導輪是否已損壞或鬆動		更換或重新固定地面導輪	
門扇開不到底	處於半開模式	檢查全開/半開開關	切換至全開
門扇不能關閉	1. 門扇處於全開狀況無法關閉	感應器信號燈持續亮著	感應器線路檢查或更換感應器
	2. 門扇關到一半隨即開啟	感應器誤動作	調整或更換感應器

型號 TYPE	L-2	
種類 MODEL	單向橫開式 SINGLE-WINGED	雙向橫開式 BI-PARTING
門扇重量 DOOR WEIGHT	100kg X1扇(door)	90kg X2扇(door)
門扇寬度 DOOR WIDTH	DW=500mm~2500mm	DW=500mm~2500mm
安裝方式 INSTALL WAY	表面安裝 Surface install	表面安裝 Surface install
馬達 MOTOR	DC24V 75W WORM GEAR MOTOR 直流無刷渦桿馬達	
控制器 CONTROL	微電腦化處理機控制器 MICRO-CONTROLLER	
消耗電量 POWER CONSUMPTION	75W	
電源電壓 VOLTAGE	AC100V~240V皆可(either AC100V~240V)	
環境溫度 ENVIRONMENTAL TEMPERATURE	-20°C~+50°C	
噪音量 VOLUME	最大 60 分貝 60decibel(max.)	
開啟速度 STARTING SPEED	200~550mm/秒(second)	
開啟時間 STARTING TIMES	可調 0 秒至 20 秒 0-20 sec. (regulable)	
傳動要件 TRANSMISSION IMPORTANT CONDITION	齒形皮帶 RACK BELT S8M	
開門幅度 OPENING DOOR RANGE	全開/半開 可調整距離 FULL/HALF-OPEN (regulable)	
手推開啟力量 TRACTION FORCE	3 kg	

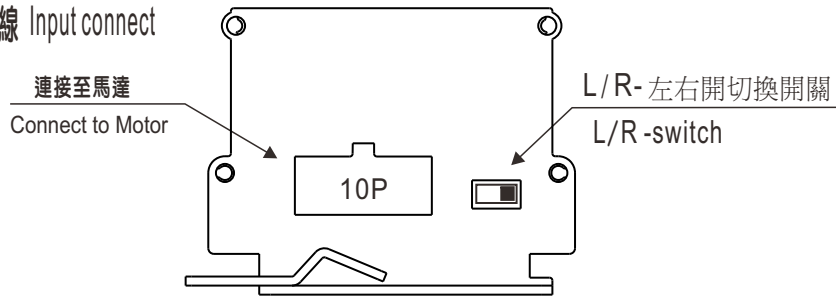


單位:公釐
MEASURE:mm

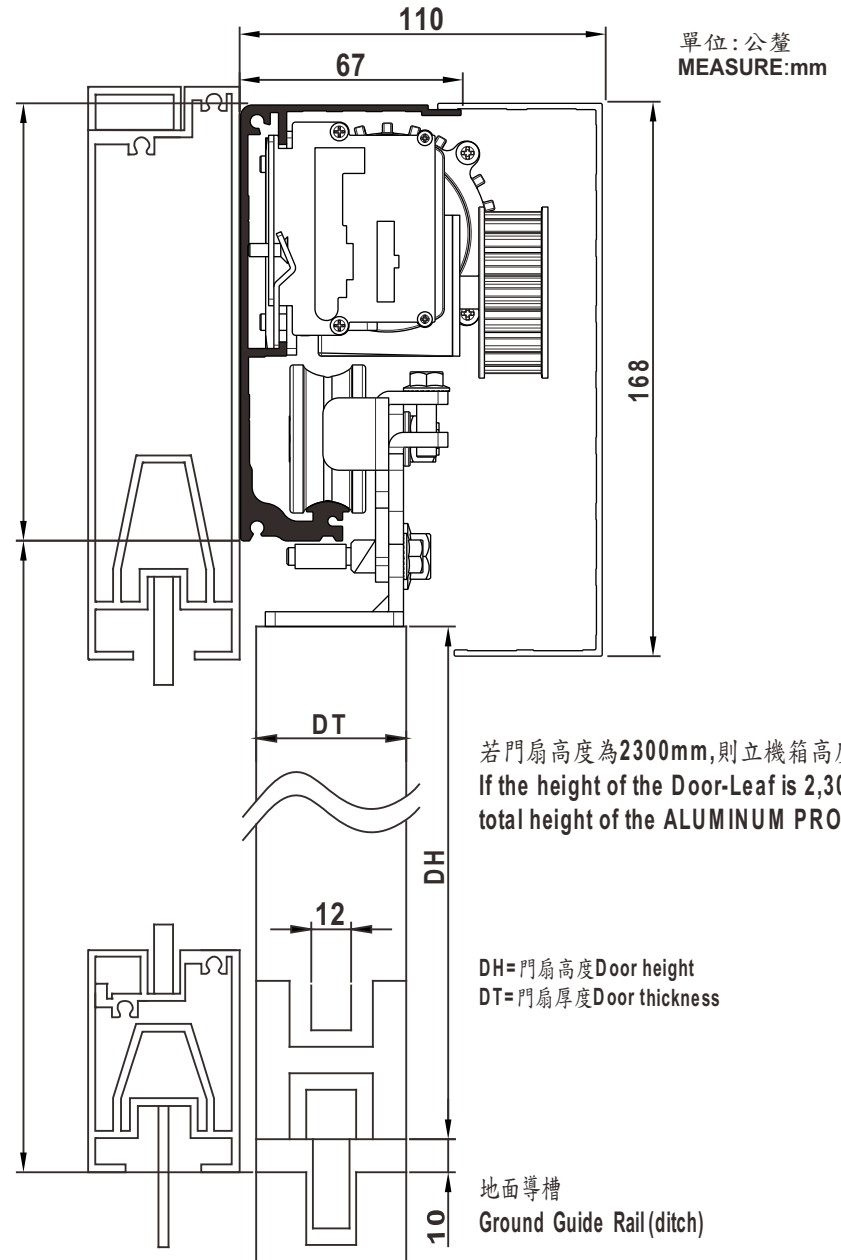
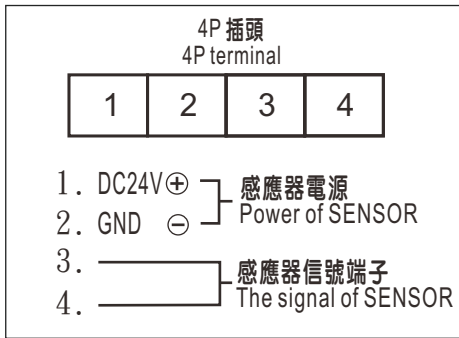
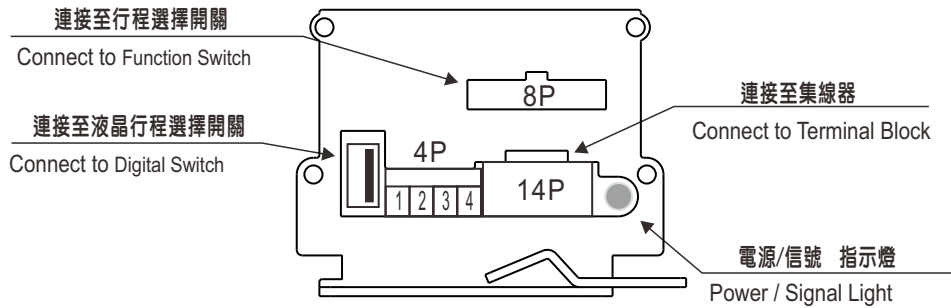


微電腦控制器 MICRO-CONTROLLER

輸入端引線 Input connect



輸出端引線 Output connect



1 準備
Prepare
機箱高度/水平確認
Should correct the height and the leveling of the ALUMINUM PROFILE



2 切割/安裝機械箱
Cut and install the ALUMINUM PROFILE



3 各感應器安裝
Install the SENSORS



4 馬達部件
MOTOR



5 控制器部件
MICRO-CONTROLLER

6 尾輪座部件
Install the BELT ROLLER



7 懸掛/調整門扇
Hang and adjust the Door-Leaf



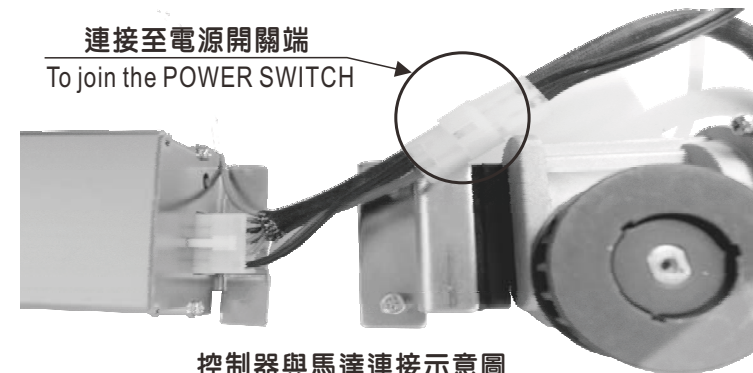
8 皮帶安裝調整
Install and adjust the BELT



9 電氣連接
Power connect



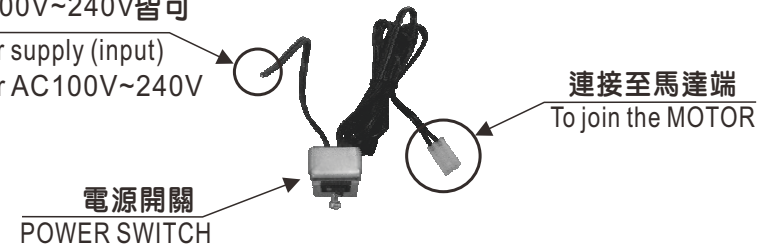
10 測試及調整
Test and adjust



控制器與馬達連接示意圖
The ILLUSTRATED of CONTROLLER and MOTOR.

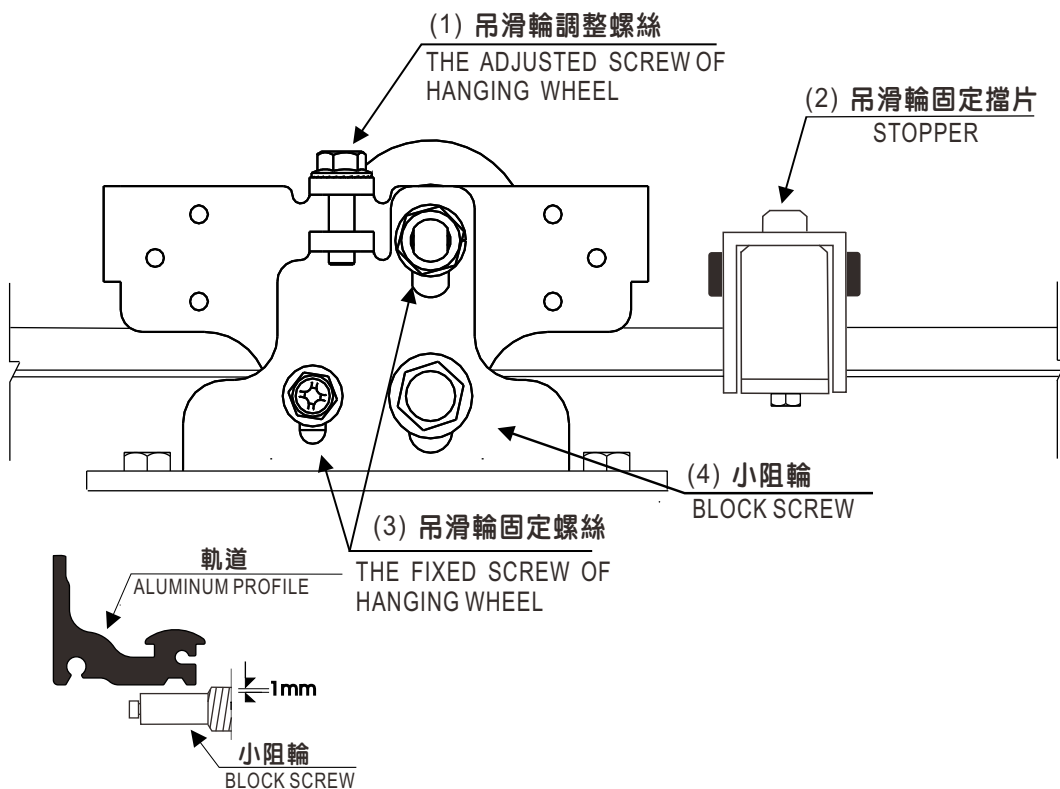
供給電源輸入端
AC100V~240V皆可

Power supply (input)
Either AC100V~240V

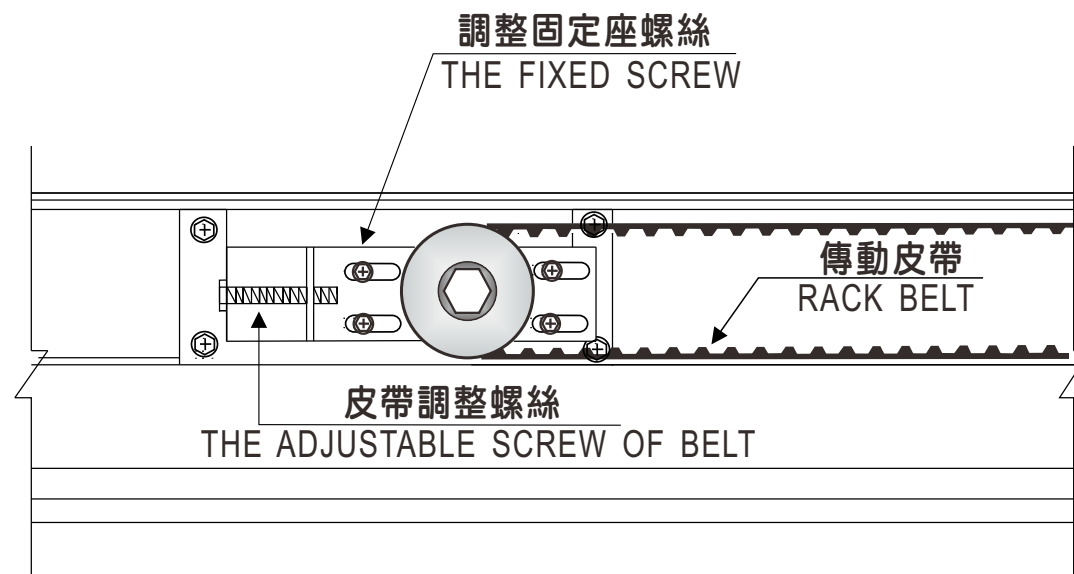


請確認感應器所標示之電壓是否與供給電源相同，若與供給電源電壓不同時，則感應器需另行加裝變壓裝置否則感應器極易燒毀，連接完畢後，請再確認一次。

Please confirm WHETHER the SENSOR VOLTAGE is the same as the power supply. If different between them, need to add the TRANSFORMER, otherwise the SENSOR would be burned.

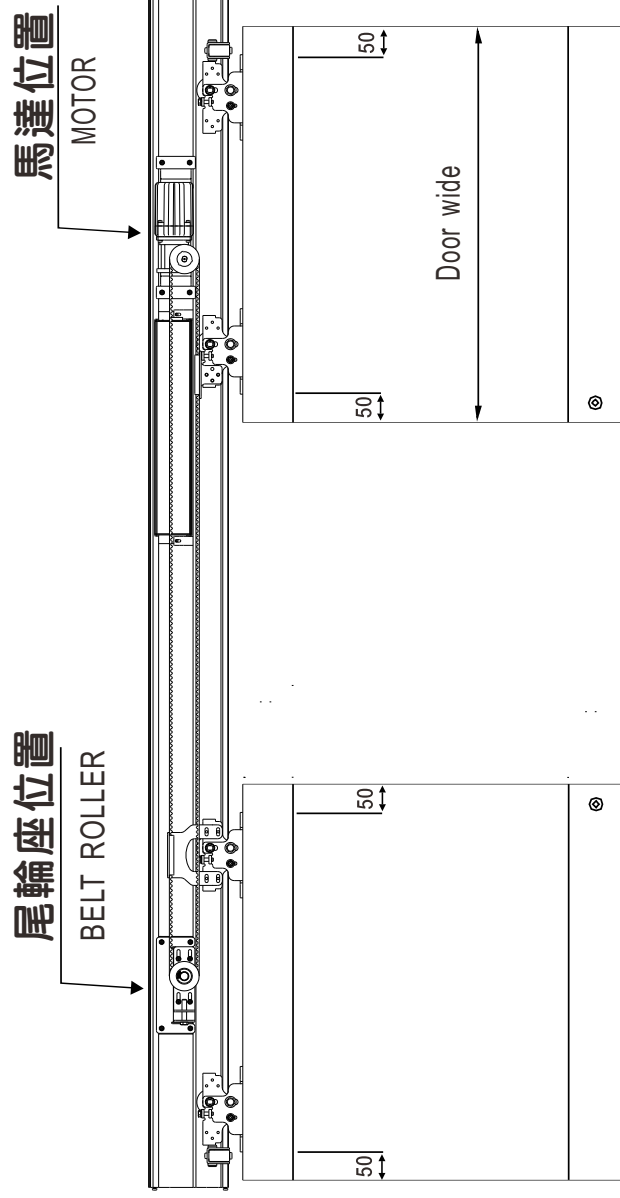


- A** 當門扇的高度與間隙需調整時，首先鬆開吊滑輪固定螺絲，旋轉吊滑輪調整螺絲。
When Door-Leaf height and interval need to adjust, loose (3) at first, then adjust (1).
- B** 調整完畢後，必須擰緊吊滑輪固定螺絲。
Need to fasten (3) after adjust **A** .
- C** 門扇開關位置確認後，按置吊滑輪固定擋片，確保開門位置不變。
Install above-mentioned (2) after make sure the DOOR OPEN POSITION.



皮帶張力可由皮帶調整螺絲做調整，調整完畢後，須擰緊調整固定座螺絲。

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



二側吊滑輪座安裝時須與門扇邊緣距離約50mm, 以確保門扇安裝之安全性。

POSITION OF HANGING TWIN-WHEEL:

Two sides of Door-deaf keeps the distance of 50mm to make sure the safety of installation

