

客戶使用建議與排除方法 (IPM)

異常說明	正確的設定	電控箱	傳動結構&零件	電路系統	金屬結構
無法開啟- (按鍵後沒動作)	按鈕時 X6 亮起	1. 檢查保險絲 · PLC · 馬達驅動器是否有正常運作。2. 檢查訊號狀態是否正確。	--	1. 電線是否損壞 2. 端子接頭是否脫落 3. 按鈕是否故障	--
無法開啟- (按鍵後有動作)	X6 亮起後 · PLC 會執行開門程序	1. 檢查訊號狀態是否正確 2. 檢查驅動器是否發生錯誤	1. 檢查皮帶是否脫落 2. 檢查馬達是否接線正常	1. 檢查電線是否損壞 2. 端子接頭是否脫落	斷電檢查門扇運動是否有阻礙
門扇滑動不順暢	斷電時以手拉動門扇必須保持順暢	--	斷電 · 1. 檢查皮帶是否脫落 · 2. 檢查馬達是否故障。	--	斷電檢查門扇運動是否有阻礙
門鎖上後無法斷電	上鎖後 X4 必須熄滅	檢查訊號狀態是否正確	--	1. 檢查電線是否損壞 2. 端子接頭是否脫落	--
無法關門(運作正常)	1. 確認模式 2. X6, X13 不可以亮燈 3. 門必須在開門位置上。	1. 檢查模式是否為手動狀態 2. 檢查訊號狀態是否正確	檢查開門極限感應器是否有亮燈	--	--
無法關門(開關關閉 · 或關到一半緊急停止)	關門時 X4, X6, X13 不可以閃燈	檢查訊號狀態是否正確	--	1. 檢查電線是否損壞 2. 端子接頭是否脫落	--
門扇開關時無法到達定位	門扇在關門極限時 · 感應器必須亮起	判斷減速度是否過慢	檢查感應器是否有到定位時亮燈	1. 檢查電線是否損壞 2. 端子接頭是否脫落	斷電檢查門扇運動是否有阻礙
光閘無動作	光閘感應到物體時 X13 必須亮起	檢查訊號狀態是否正確	--	1. 檢查電線是否損壞 2. 端子接頭是否脫落	--
經常出現 error8	開關時的阻力不可以超過馬達的保護機制	判斷 1. 全速速度是否過快。2. 減速度是否過慢	檢查極限位置感應器是否有到定位時亮燈	--	斷電檢查門扇運動是否有阻礙
噪音	找出噪音位置並排除	--	確認塑膠輔助輪是否潤滑	--	斷電檢查門扇運動是否有阻礙 · 必要時使用潤滑
處理要點	--	1. 確認機構運作正常 2. 藉由訊號判讀異常點。	確認感應器 · 皮帶 · 馬達皆有正常運作。	確認電線正常 · 能把訊號傳進 PLC	確保結構不會影響電控系統

備註¹: 執行以上動作時須先切換成半自動模式

備註²: 實行前請先參考各種操作說明書 · 並且由專業人士進行

備註³: 如果在使用上仍有問題 · 請洽經銷商或本公司客服人員

Door Inspections and Error Corrections (IPM)

Fault Descriptions	Correct Action	Control Box	Transmission system & Parts	Circuit System	Metal Structure
Door out of order (button out of action)	X6 illuminates when button pushed	Check I/O signal is correct PLC & motor diver is active, and fuse is intact.	Check if button is fault.	Check if cable is damage, and the wire terminal loose connection.	--
Door out of order	When X6 illuminates, PLC will execute program for 1 time	Check if the I/O signal and motor is correct	Check if the V belt and motor cable connection set is in place.		Cut the power, check if the door panel is grind.
Door panel slide not smooth	Cut the power, use hands to pull to keep it smooth	--	Check if the V belt is set in place		Cut the power, check if the door panel is grind
Door lock cannot stop the program	X4 unilluminated when door locked.	Check if the I/O signal is correct.	--		--
Door cannot close	1. Verify method. 2. X6, X13 is unilluminated. 3. The door is at open limit position.	Check if the method is manual and if I/O signal is correct.	Check if limit sensor is illuminated		--
Door cannot close. (repeat to open and close or sudden stuck)	X4, X6, X13 unilluminated when door close.	Check if the I/O signal is correct.	--		--
Door panel cannot move to position.	Limit sensor illuminates when door move to position.	Judge if the cushion speed is too low.	Check if limit sensor illuminate when door move to position.		Cut of power, check whether the door panel is grind.
Light curtain inactive	X13 illuminates when light curtain detects object	Check if the I/O signal is correct.	--		--
Error8 constantly occurs	The drive sensor detects motor overload	Judge if the operation speed is too high or the cushion speed is too low.	Check if limit sensor illuminates when door move to position.		Cut the power, check whether the door panel is grind.
Noise	Check noise position and exclude	--	Lubricate the V belt alignment roller.		--
Main points	--	1. Verify system operation if in order. 2. Judge the I/O signal to find the fault parts.	Confirm the sensor, V belt and motor operation if in order.	Ensure the cable is intact that I/O signal transmission is in order	Ensure the door move smoothly

Note1: Before taking any action, please change to Semi-automatic.

Note2: Please take other instruction manual as reference and have a professional to perform this sheet

Note3: If the problem cannot be solved, please provide full information for our reference for the maintenance.