



DA-64RA/D

Wireless Smart Deadbolt

磁簧式陽極鎖，可無線遙控開門

(With door status output) (附開門狀態輸出)

Installation manual 使用說明書

Ver.14.1

20150213



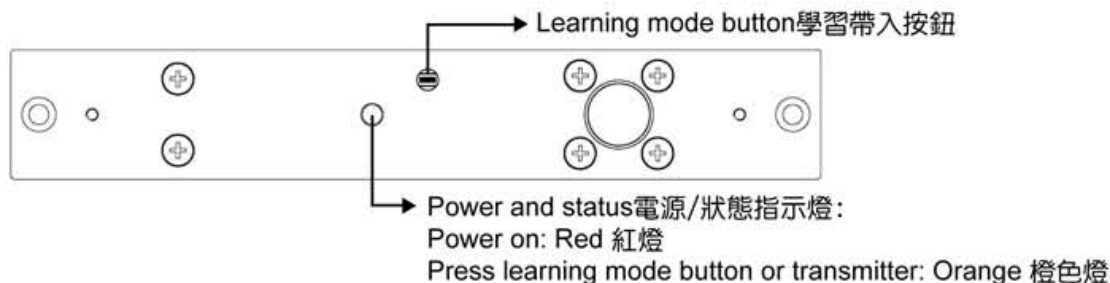
A、Features 功能

1. Remote release control ranges up to 10meters.
遙控距離可達到10公尺。
2. With learning mode button for memory up to 40 pieces transmitter ID's.
具有學習按鈕，可儲存40只滾碼式遙控器。
3. With LED for indicating Power & Bolt status.
具有電源及狀態指示燈。
4. Compact structure without additional remote device wiring.
無須再外接遙控機接線。
5. Optional bracket (PG-B64 & PG-DASTC-2) for frameless glass door.
可選購外掛盒(PG-B64) & 玻璃夾具(PG-DASTC-2)安裝於無框玻璃門。
6. Electric deadbolt design suitable for double swing door with 180° opening angle.
本身為插梢，可180度開門設計，內開、外開皆可，並可依需求水平或垂直安裝此陽極鎖。
7. With DIP switch for setting time delay for opening & relock door.
具電子電路開關按鈕，可調節時間選擇開門及監視點。
8. Low working current, no over heating problem.
具有靜態省電防熱功能。
9. Fail safe type released as power off.
斷電時釋放。

B、Specification 規格

For : 實際參考值：	Operating voltage	工作電壓	DC 11V~16V
	Average starting current	起動平均電流	800~850mA
	Average standby current	待機平均電流	90~100mA
	Environmental temperature range	環境溫度	-20°C~70°C

Mechanical specification 機械規格	Weight 重量	Net weight 淨重:452g ±1% Gross weight毛重:687g ±1%
	Dimension 尺寸	Please refer to page 5 請參閱尺寸圖(P.5)



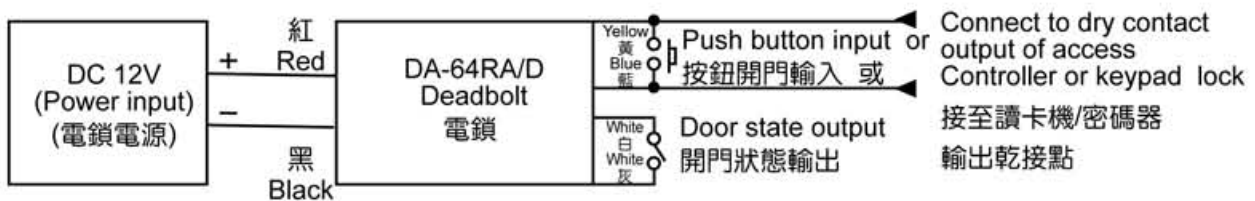
C. Pin assignment 接線

Color 顏色	Function 功能
Red 紅	Power "+" DC 12V input 直流12V電源輸入
Black 黑	Power "-" GND 共地點
Yellow 黃	Push button input 按鈕門輸入點
Blue 藍	
White 白	COM Door status output 開門監視輸出
Gray 灰	NO

D. Wiring example 接線範例

- ① Using push button input to open door directly. (Could open door by dry contacts from access controller or keypad etc.)

1. 直接使用電鎖上按鈕開門接點開門，(可由讀卡機或密碼器繼電器輸出乾接點驅動)接線圖如下：

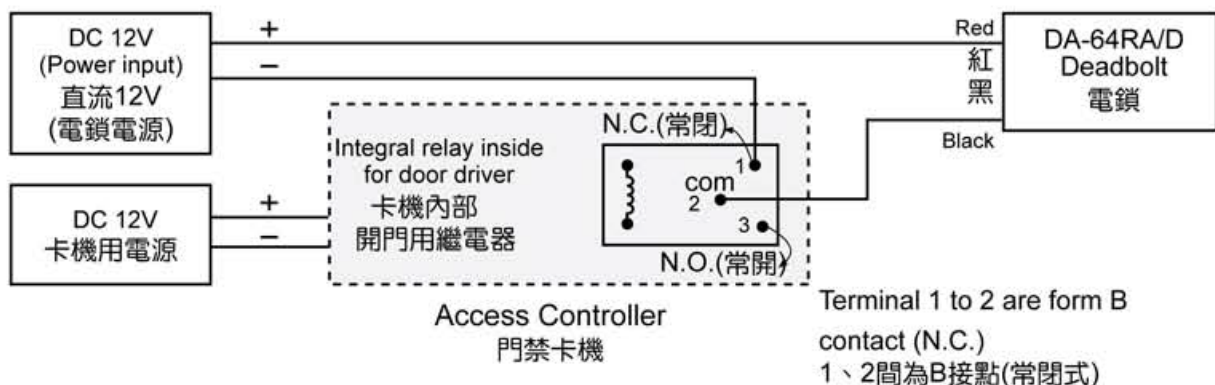


Description 動作說明：

- (a). When push button is pressed to short the input contacts, the door will be released. If the door is not moved away within 3 seconds (defaulted by T1), the door will be automatically locked.
- (a). 當按下按鈕時(即該接點短路)，電鎖開門。開門後若無推開門扇之動作(即門扇持續保持開門位置)此時電鎖將於延遲T1(出廠值約為3秒)後自動上鎖。
- (b). When the door pushed away and return to closed position, the door will be automatically locked after 2 seconds (defaulted by T2)
- (b). 門扇開啟後，推回關門狀態。就定位後，此時電鎖將於延遲T2(出廠值約為1.5秒)後自動上鎖。
- (c). Please refer to section (F) for selecting T1 and T2.
- (c). 開門延遲時間(T1)及關門定點延遲時間(T2)之變更設定，請參閱本說明書第F項。

- ② Using external controller (such as access controller, keypad), to open the door through the integral relay inside the controller to cut off the power and force lock release. In such condition, form B normal close contacts driving of relay should be applied.

2. 使用外接控制裝置(例如:讀卡機、密碼器)內之開門繼電器控制切斷電鎖電源以便開門接線圖如下，在此情況下使用繼電器之B常閉形式接點



When release the lock by the controller, the internal relay of the access controller will be switched to N.O, then the electric deadbolt will lose power and the door will be released.

When the controller is in stand-by state, the internal relay of the controller will be resumed to N.C, (Normal Close) and the electric deadbolt will be powered and the door will be locked again.

In such application, the delay time for opening door is decided by external controller. Also the delay time for locking door (T2) again is decided by programming the DIP switch as described by section (D).

At the moment, please note whether the internal relay VA (Voltage-Ampere) rating is large enough for the maximum power requirement of this lock.

Note: The transient spike current may up to 6 times of the steady-state current if no current snubber components is applied.

當卡機開門時，卡機內部的繼電器會跳到N.O.(常開)接點，此時電鎖斷電開門。

當卡機在待機時，卡機內部的繼電器會跳回到N.C.(常閉)接點，此時電鎖送電上鎖。

以此方法，開門時間由外接控制裝置內開門時間決定而關門，定點後延遲下鎖時間

請參考第F項說明。同時需注意卡機／密碼器內部繼電器容量必需足夠負荷電鎖開啟之最大電流值。

請注意：如果接點未使用緩壓零件去消除突波電流，可能達到正常電流之6倍以上而損害接點壽命。

E. Adding transmitter procedure增加遙控器步驟說明

1.How to add transmitters

Step: Press the learning mode button in DA-64RA/D (the LED indicator will turn to orange), then press the button of PTX-201DF (LED will turn to orange as remote controller is detected by lock sensor, continue press other PTX-201DF button, DA-64RA/D can add up to 40 transmitters). After add all transmitters, cut off power from DA-64RA/D for 3 seconds, then turn on power and secure the magnetic plate, wait until bolt lock up. Press PTX-201 button then bolt will unlock, setting success.

2. LED will stop flashing automatically after 35 seconds which mean DA-64R/AD no more in auto-learn mode.

3. In the case any of transmitters lost, all transmitters need to erased and lock need reprogrammed.

Step: Pressing the learning mode button for 10 seconds, LED will turn from orange to red indicating ALL transmitters have been deleted from memory.

1. 增加遙控器

步驟：按一下鎖體上學習帶入鈕（按下時指示燈成橙色），之後按下PTX-201DF遙控器按鈕（按下時指示燈成橙色，可連續設定帶入，若有多顆遙控器需要帶入，每一顆只需要按一下即可），帶入完後請將DA-64RA/D斷電3秒，再重新送電並放上磁鐵定位板，等鎖舌彈出之後，按下PTX-201DF遙控器按鈕，如鎖舌彈回，即表示設定完成。

2. 指示燈閃爍超過35秒時會自動停止，此時則表示離開學習狀態。

3. 清除遙控器：當遙控器遺失時，需清除所有已記憶之遙控器。

步驟：按住學習帶入鈕持續10秒以上，清除時指示燈會由橙色變為紅色，即表示清除完畢，不需重新送電。



PTX-201DF

Note注意事項:

When programming 41st transmitter, memory will overwrite 1st transmitter automatically.

如須記憶第41只滾碼式遙控器，DA-64RA/D會自動刪除第一只滾碼式遙控器。

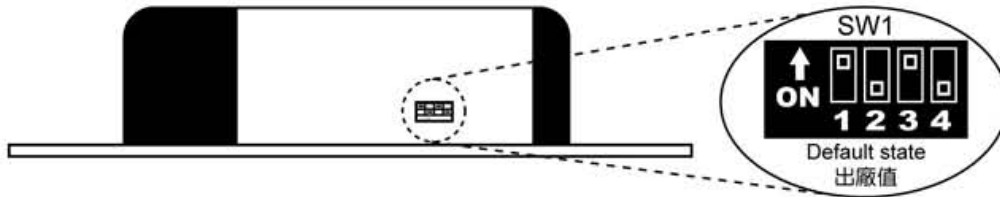
If more than 41 transmitters are required, please consult your supplier.

如需管制更多只滾碼式遙控器，請洽經銷商。

F、Set SW1 to door release time SW1開門延遲時間設定

Please kindly adjust the DIP switch as you need:

請在DA-64RA/D本體側邊調整。



	1	2	3	4	(a)Time delay for opening door(T1) (a)開門延遲時間(T1)	(b) Time delay for relock door (T2) (b)關門至定點後延遲下鎖時間(T2)
A	OFF	OFF	OFF	OFF	10(Sec.秒)	1.5(Sec.秒)
B	OFF	ON	OFF	ON	6(Sec.秒)	4(Sec.秒)
C	ON	OFF	ON	OFF	3(Sec.秒)	1.5(Sec.秒)
D	ON	ON	ON	ON	3(Sec.秒)	4(Sec.秒)

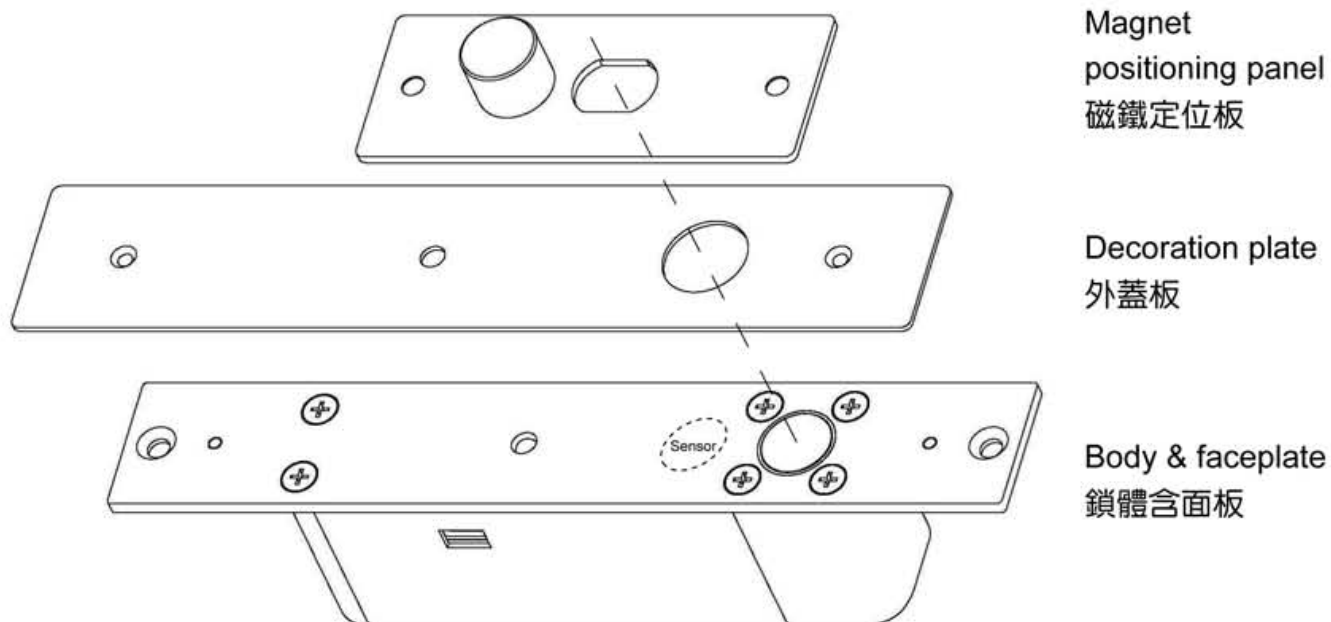
* Default selection is group “C” 出廠設定值為 “C”

* Using the floor hinge and door closer, please set the group “D”. 使用地絞鏈與門弓器裝置時請設定 “D” 組

G、Caution 注意事項

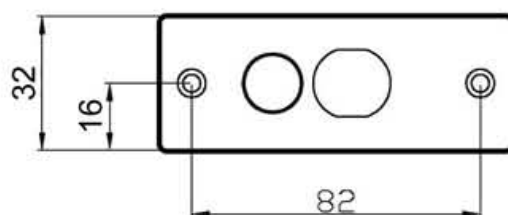
- (1) The DA-64RA/D electric deadbolts are usually installed within the top door frame and panel upside down. You can also install it in the side jamb of door, please install the lock button(bolt) position at the top and supply voltage higher than 12V.
- (1) DA-64RA/D電鎖在正常情況下是裝在門框上方，由上往下鎖。亦可安裝在側邊使用，但鎖心(插銷)位置務必安裝於上方且電源電壓需要12V以上。(需使用穩壓變壓器)
- (2) You need to shut down power or short push button input to release the lock once the electric deadbolt is locked and magnet are moved away.
- (2) 電鎖開始動作上鎖，此時磁鐵移開電鎖不會自行開門，必須利用斷電或按鈕輸入，重新開啟。
- (3) Please use AWG24 wire for distance shorter than 10 meters, but you should use 0.1832 x 30C cable for longer distance (11meters or longer)
- (3) 電鎖(DA-64RA/D)配線在10公尺內用24AWG線就可以，如超過10公尺請配平波線(0.1832×30C)或較粗導線。
- (4) Electrical Specification
Power Requirement : DC 11V~16V , 1A
The following average voltage-current data are recorded by measuring for practical reference.
For proper voltage, please supply the tolerable voltage to prevent overheating and delayed door release time due to over voltage or unable to operate thru under voltage.
- (4)電氣規格
電源需求：DC 11V~16V , 1A
以下工作電流為直流平均電流，當供電電壓超越此範圍時，會產生延遲退鎖等不良狀況。
當電壓不足時則會有下鎖困難等異常狀況。
- (5) Installation notes
Instilling the electric deadbolt and magnet positioning panel shall refer the two device's center line.
If the position displaced, it would cause the power bolt hit magnet positioning panel. You have to check:
1. The center line between electric deadbolt and magnet positioning panel. 2. Whether the door offset or loose.
2. Do not press the lock antenna during your installation
- (5) 施工時特別注意事項：
1. 裝配電鎖與磁鐵定位板時，須將此兩組的中心點對準，當偏移時會導致鎖舌打到磁鐵定位板此時就得調整：1.電鎖與磁鐵定位板的上下中心度 2.看門是否有偏移或鬆動。
2. 施工時請注意勿壓到鎖體上之天線。

Assembly and dimension 電鎖零件組裝圖

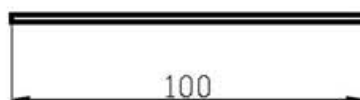


Dimension 電鎖零件尺寸圖

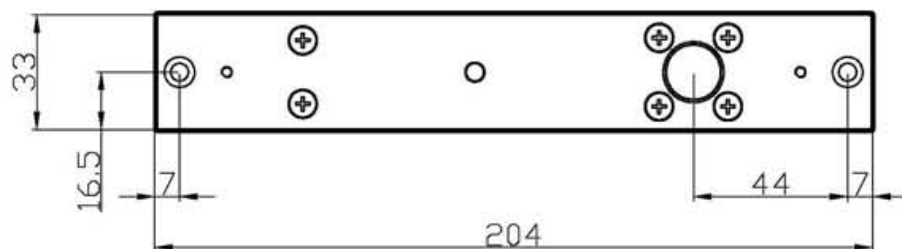
Unit 單位 : mm



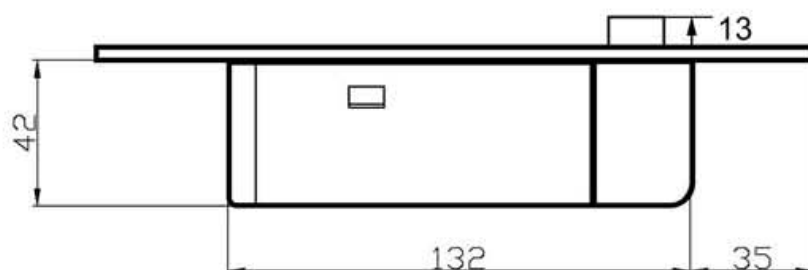
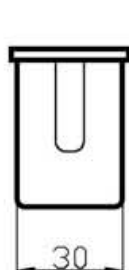
Magnet positioning panel
on top view
磁鐵定位板上視圖



Magnet positioning panel
on side view
磁鐵定位板側視圖

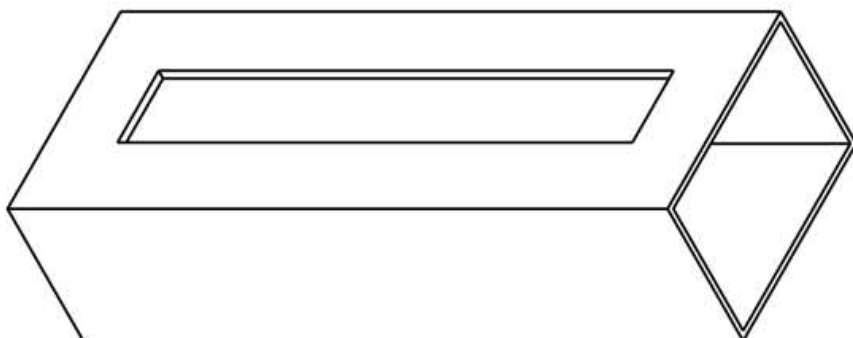


Faceplate on top view
鎖體面板上視圖



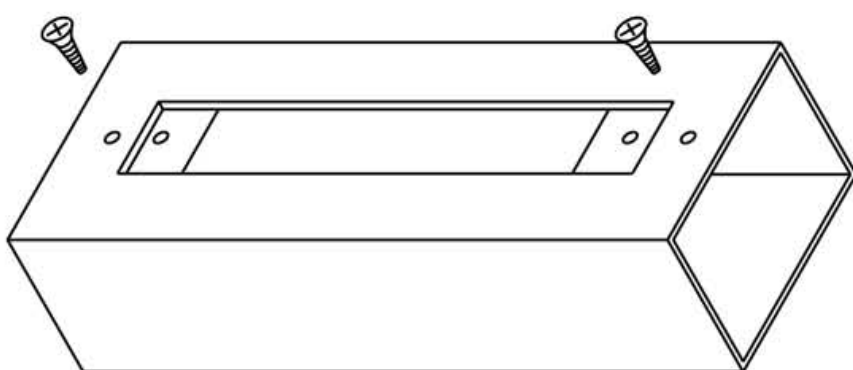
Lock body on side view
鎖體側視圖

Installation procedure for DA-64 series 安裝示意圖(一)



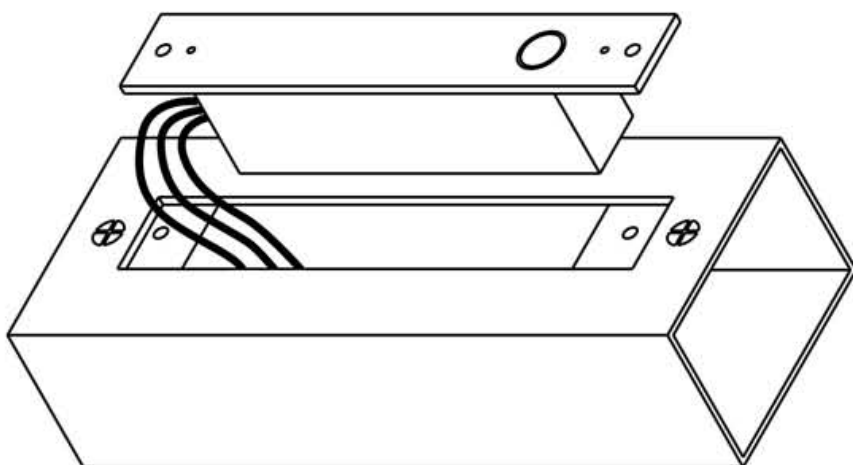
(1) To dig a hole according to the dimension of lock face plate

(1) 以容納鎖體面板尺寸挖孔



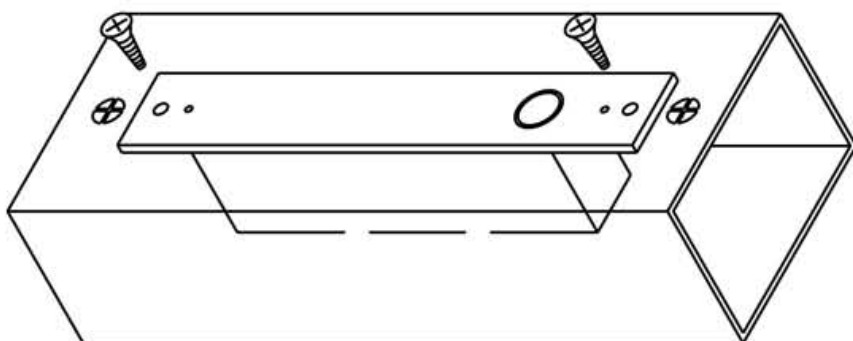
(2) To fix the plate

(2) 裝上固定板



(3) Put the lock body into the hole

(3) 置入鎖體



(4) To fix the lock by screws

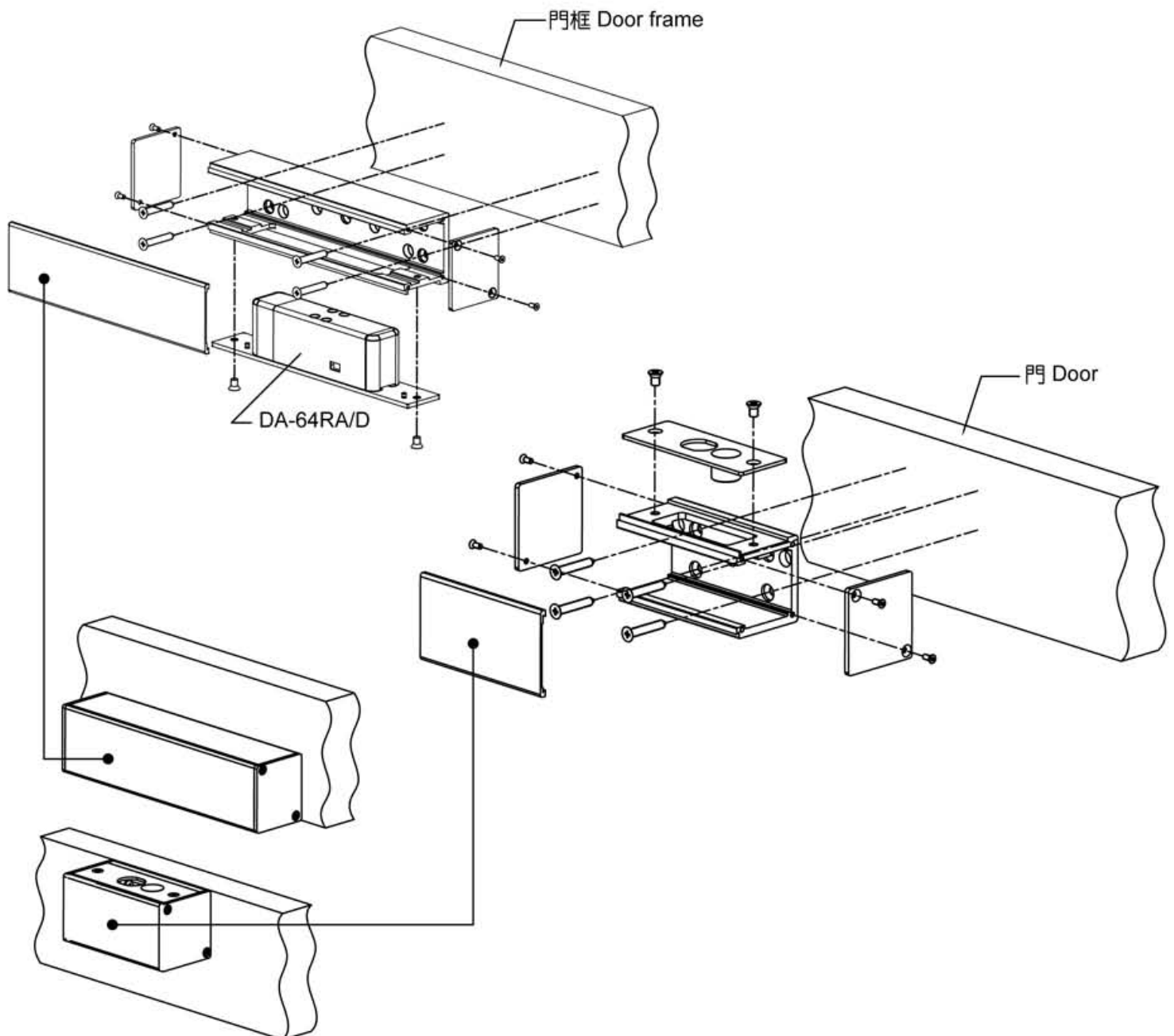
(4) 鎖上螺絲

Installation procedure for DA-64RA/D series (For external hanging bracket) 安裝示意圖二(搭配外掛盒)



Optional
(選購)

External hanging bracket PG-B64
 陽極鎖外掛盒 PG-B64



Installation procedure for DA-64RA/D series(For glass door without frame)
安裝示意圖三(裝於無框玻璃門)

