

- 施工結束後，請務必將本說明書交給客戶。

安全注意事項 請務必遵守

為防止對生命財產造成危害，務必遵守事項說明如下。

■ 因錯誤的使用方式，所導致的危險，區分如下。

■ 遵守事項的種類，標示圖記說明如下。

- 警告** 「可能導致死亡、或重傷的危險」
- 注意** 「可能導致輕傷、或財產損失的危險」

- 禁止事項**
- 務必實施事項**

■安裝作業、安裝場所(使用場所)

警告 防止火災、漏電、觸電、重傷

- 不可損傷電源或延長線、強力拉扯、綑綁、重物積壓及加工。
(造成火災、觸電的原因)
- 一組主機，不可連接8組以上的副機。
(連接8組以上時，容易造成觸電、火災)
- 此機組並無防水功能，請勿使用於熱氣、濕氣重的場所。
(造成絕緣不良、觸電的原因)

- 安裝施工必須遵照本說明書的指示正確實施。
(造成觸電、火災、受傷的原因)
- AC電源轉換器、電源供應器應安裝於方便檢查的檢查口附近。
(灰塵附著、阻塞、鬆脫時，容易造成火災)
- 使用AC電源轉換器時，須確實檢查插座、AC電源轉換器的電源插頭，是否有灰塵附著、阻塞、或鬆脫，並將插頭確實插牢固定
(灰塵附著、阻塞、鬆脫時，容易造成觸電、火災)
- 延長線要貫穿機組內部的孔洞時，為避免延長線受到損傷，可用套管保護延長線。
(造成火災、觸電的原因)
- 電源供應器的安裝工程，需要擁有電氣工程技術資格的人員，遵照「電器設備相關技術標準」、「電氣施工管理規定」、以及本說明書的內容實施。
(造成火災、觸電的原因)
- 配線必須使用規定的電線，並確實連接，電線連接端子的部位必須徹底固定，不可外漏。
(造成火災、觸電的原因)

注意 防止漏電及受傷，保護財產安全

- 一般屋內天井嵌入式空調專用。不可使用在陽光直射的場所、濕氣重的場所、容易震動的場所、腐蝕性氣體發生的場所、食用油等油類物質浮游的場所、或鹽份浮游的場所、造成結露的場所。
(造成觸電、故障、生鏽的原因)
- 適用於5°C ~ 50°C範圍的環境。
(高溫下使用，容易造成火災及故障)
- 雙面膠的黏貼面，須將灰塵、生鏽、油分、水分徹底擦乾淨。
(黏著力減弱，會造成零件掉落，產生故障或受傷)

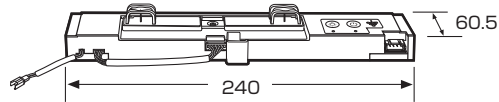
1

各部位名稱/規格

組件內容

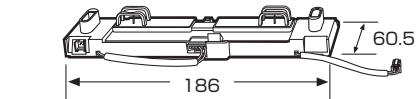
請確認零件內容

型號：IG-002DCT 主機



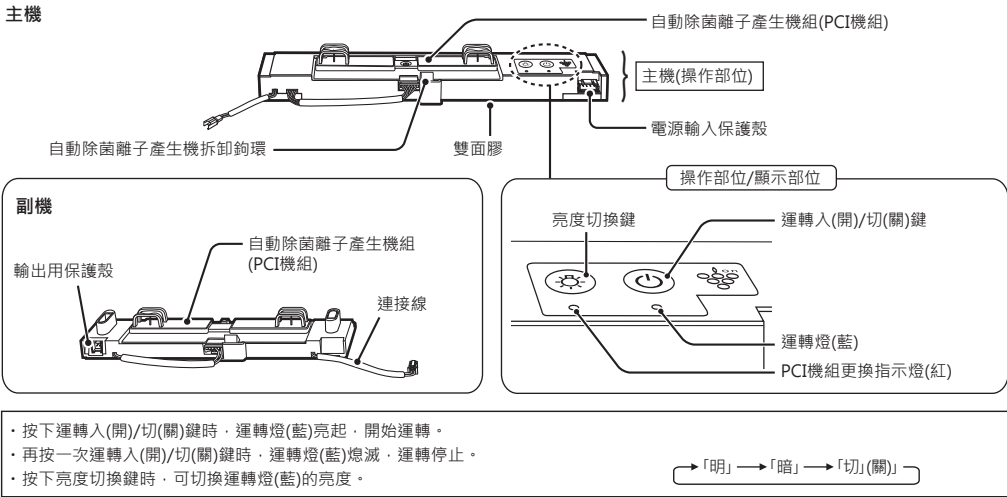
配件	
密封貼紙(1張)	使用說明書 (中文1份) (英文1份)

型號：IG-002DDT 副機



配件
使用說明書 (中文1份) (英文1份)

各部位名稱



規格一覽表

型 號	IG-002DCT	IG-002DDT (*)
組件內容	主機	副機
額定電壓	DC12V (由AC電源轉換器或電源供應器供給)	DC12V (由主機或副機供給)
消費電力	連接AC連接器時: 1.1W 連接電源供應器時: 0.9W	0.6W
外型尺寸	寬240mm 深60.5mm 高30.5mm	寬186mm 深60.5mm 高25mm
重量	約170g	約120g

(*) IG-002DDT單體無法運作

※主機(IG-002DCT)有搭載斷路器連動功能，副機(IG-002DDT)與主機連動運作。

3

■使用、操作

警告 防止火災及漏電、觸電、重傷

- 使用AC電源轉換器時，若發現插座插孔鬆脫，應禁止使用。
(造成觸電、火災的原因)
- 禁止改造。並且，禁止非維修技術人員，從事自動除菌離子產生機組(PCI機組)更換以外的分解及維修。
(造成火災、觸電、受傷的原因)
- 保養時，禁止使用含鹼性、酸性的清潔劑。
(清潔劑中含有的有毒氣體，可能會對健康造成危害)

- AC電源轉換器的電源插頭及插孔的灰塵須定期清除。
(造成火災的原因)
- 異常時(燒焦異味等)，須暫停運轉，並切斷電源。
(造成火災、觸電的原因)
請洽詢銷售經銷商。
- 清潔保養時，務必關閉電源。
關閉電源的方式
 - ・若使用AC電源轉換器:將AC電源轉換器從插座上拔除
 - ・若使用電源供應器:關閉斷路器
(造成觸電、受傷的原因)

注意 防止漏電及受傷，保護財產安全

- 拔除AC電源轉換器時，不要拉扯電源線，務必手持AC電源轉換器主體拔除。
(造成觸電、短路、燃燒的原因)
- 長時間不使用時，關閉電源
關閉電源的方式
 - ・若使用AC電源轉換器:將AC電源轉換器從插座上拔除
 - ・若使用電源供應器:關閉斷路器
(因絕緣老朽腐化，造成觸電、漏電及火災)

為了穩定釋放自動除菌離子，朝向機組吹送的風速，請設定在1.7m/s以上

- 在主體附近，請勿使用含氣樹脂或矽膠的化妝品等物質。若主體內部附著氣樹脂或矽膠，可能會無法正常釋放出自動除菌離子。
* 護髮商品(護髮素、護髮慕絲、整髮液等)、化妝品、止汗劑、防靜電劑、防水噴霧、亮光劑、玻璃清潔劑、化學抹布、蠟等。

FACTORY
USE ONLY



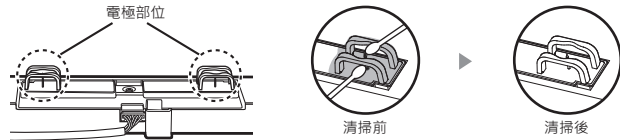
TS-DUPCI300MSHTW-1
TINSQA011KKRZ 18FR ①

2

PCI機組的清潔保養/更換

PCI機組的清潔保養

PCI機組的電極部位或周圍附著的灰塵，請用市售的棉花棒等，定期(建議6個月一次)清掃。



- 請勿用手觸碰電極部位(可能會受傷)
- 請勿使電極部位變形
- 用市售棉花棒沾濕酒精(濃度70 ~ 80%)後擦拭清掃。

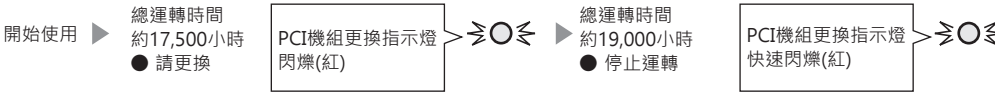
更換PCI機組

為了穩定釋放自動除菌離子，請務必定期更換PCI機組。

總運轉時間約17,500小時(1天24小時運轉，約2年)後，警示燈閃爍，通知該更換自動除菌離子產生機。

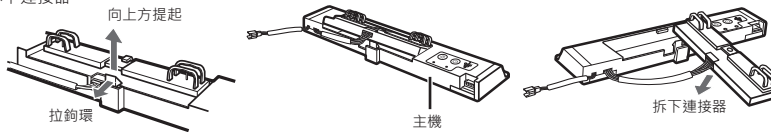
更換自動除菌離子產生機的詳細情形，請洽詢銷售經銷商或施工單位。

品名：更換用自動除菌離子產生機組(1個裝) 型號：IZ-C01DT



(1)拆卸方式

- ① 按下運轉入(開)/切(關)鍵，停止運轉。
- ② 將鉤環往自身方向拉，自動除菌離子機組向上方提起，與鉤環分離。
- ③ 將自動除菌離子機組向自身方向提起後取出。
- ④ 從自動除菌離子機組中，拆下連接器。

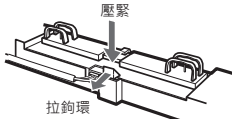


(2)安裝方式

- ① 確認電源確實在「切」(關)的狀態。
- ② 將連接器安裝在自動除菌離子機組上(壓緊直到聽見“喀擦”的聲音為止)。
- ③ 將自動除菌離子機組嵌入主機的最內側。
- ④ 一面將鉤環往自身方向拉，一面將自動除菌離子機組插入。
- ⑤ 電源OFF時，一面按下亮度切換鍵，一面將運轉入(開)/切(關)鍵按住3秒左右，進行重置操作(電源為「切」(關)的狀態)。
- ⑥ 將運轉入(開)/切(關)鍵放開後再按一次，電源便開啟。

※在接收到重置操作後，運轉燈與PCI機組更換指示燈會輪流亮燈5次。

※若有副機，請同時更換副機的自動除菌離子機組。



- 運轉燈與PCI機組更換指示燈同時一起閃爍時，請確認連接器的安裝是否確實。若還是異常，請連絡施工處，或銷售經銷商。

4

1

在空調出風口處，開一個貫穿延長線的孔
貫穿部位需φ16mm以上。

請用套管等物品保護，避免貫穿孔損傷延長線。延長線穿過孔之後，請將孔洞的縫隙填滿。

2

在安裝的部位做標記

- 請將主機、副機、連接線、燈側，安裝於風向的出風口處。
- 自動除菌離子產生機中，最重要的自動除菌離子機組部位呈針狀，施工安裝時，請勿觸碰該處。

3

① 撕下固定自動除菌離子機組的膠帶
(撕下膠帶後，請確認自動除菌離子機組是否安裝確實)

② 將剝離紙撕下，並將主機及副機
與 2 標記的位置對齊，貼在空調出風口處的下面

(注意事項)

- 請擦拭雙面膠的黏貼面上的灰塵、鏽蝕、油污、水份，並充分晾乾。
- 黏貼後，請充分按壓貼緊。
- 強力雙面膠一旦黏貼後，便不能撕除。

4

若使用AC電源轉換器連接 (使用電源供應器連接時請詳閱右頁內容)

使用AC電源轉換器連接時，須備有AC電源轉換器(另售)以及AC電源轉換器用延長線(另售)。
請依照安裝的位置和條件準備適當長度的延長線。

5

將AC電源轉換器與AC電源轉換器用延長線
連接，再將AC電源轉換器用延長線的轉接器
與主機的電源輸入保護殼連接。

※ AC電源轉換器與AC電源轉換器用延長線連接時，必須直到聽見喀擦的聲音，確實插入。

6

將副機的轉接線，插入主機的中繼連接器(母)

※將連接器確實插入，直到聽見“喀擦”的聲音為止。

- 若使用AC電源轉換器，則插入插座。
- 若使用電源供應器，則將AC端3芯電線連接配電盤，加入斷路器。

※1組主機最多可以連接7組副機。

7

通電後，按下運轉入(開)/切(關)鍵確認動作，然後將配
件中的密封貼紙貼在末端的副機保護殼上。
(故障・生鏽的原因)

若使用電源供應器連接

使用電源供應器連接時，同時需要準備3芯電線(市售品)，與電源供應器用延長線(另售)。
請依照安裝的位置和條件準備適當長度的延長線。

- 1
- 使用螺絲起子，將電源供應器AC輸入端的蓋子、DC輸入端的蓋子拆下

(注意事項)

 - 請注意電源與端子台的極性。(若接線錯誤，會產生故障)
 - 要拆下電線時，務必先關閉電源之後，用力按下按鈕的同時拔除電線。

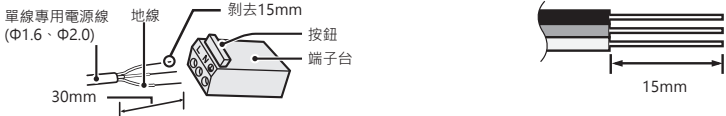
連接AC輸入端

- 務必由擁有電氣施工資格的技術人員進行施工。
- 施工前，務必關閉電源。
- 請連接通過斷路器後的單相100V～240V、50-60Hz的電源。

- 2
- ① 請將3芯電線(市售品)的外衣剪掉，讓電源線、地線分別露出約30mm

② 將電源線、地線的外層包覆，分別剝去規定的長度(15mm)
(適合的電線為Φ1.6或2.0的單線)

③ 利用平頭螺絲起子等工具用力壓下按鈕，同時如下圖般，確實從端子台的插入面，將電線垂直插入內部
(拉扯一下確認連接狀況)



※將電線插入端子台時，請勿將芯線折彎或扭曲。
(可能會造成觸電、火災)

- 3
- ④ 在AC輸入端蓋子的扣環上開孔，穿過電源線後再連接電源線。

⑤ 利用地線，實施D種(第三種)接地工程(施工若不確實，會造成觸電)

⑥ 將AC輸入端蓋上蓋子，鎖上螺絲(3處)

DC輸出端的連接

- 施工前請務必關閉電源
- 每1輸出相當於DC12V/1A(最大)。最多可連接2台主機。
- 配合安裝場所，請準備另售的電源供應器用延長線(2m或8m)

- 4
- ① 另售的電源供應器用延長線中的2條引線，請分別將其外層包覆剝離至規定的長度(9mm)





② 將電源供應器用延長線的正極(紅色引線)，連接端子台的正極(紅色)；
電源供應器用延長線的GND(黑色引線)，連接端子台的GND(灰色)。
- 用螺絲起子等工具，將按鈕用力壓住，同時如右圖般
朝插入面垂直插入內部。
(拉扯一下，確認連接狀況)

※將引線扭轉之後再連接。
(造成觸電、火災的原因)

5

③ D在DC輸出端蓋子的扣環上開孔，穿過電源供應器用延長線後，
將DC輸出端蓋子蓋上，鎖上螺絲(3處)。

④ 將電源供應器用延長線的轉接器，連接主機的電源輸入保護殼。

⑤ 連接後，進入左側頁的 6。
-
- 施工用另售零件
- | 使用AC電源轉換器時 | | | | 使用電源供應器時 | | | |
|-----------------------|-----------|----|--|-------------------------|-----------|----|--|
| 品 名 | 型 號 | 數量 | 備 註 | 品 名 | 型 號 | 數量 | 備 註 |
| 延長線(2m) | IG-9D002T | 10 | 
安裝時需要1條適當長度的延長線 | 延長線(2m) | IG-1D002T | 10 | 
安裝時需要1條適當長度的延長線 |
| 延長線(8m) | IG-9D008T | 5 | | 延長線(8m) | IG-1D008T | 5 | |
| AC電源轉換器
(DC12V 1A) | IZ-MAC1T | 1 |  | 電源供應器
(DC12V 1A×2輸出) | IZ-MAC2T | 1 |  |
- 安裝本機組時，需要準備另售的「AC電源轉換器(IZ-MAC1T)」，或「電源供應器(IZ-MAC2T)」。
請配合安裝台數及安裝場所，準備其中一項。
- 售後服務
- 感謝您的愛護，本公司產品售後服務由台灣夏普客戶服務中心負責
- 消費者免費洽詢專線：0809-090-510
- 服務時間：星期一至星期日 09:00 ~ 21:00
- SHARP®
- 進口商：台灣夏普股份有限公司
- 進口商地址：新北市土城區中央路四段 53 號2 樓
- 客戶服務專線：0809-090-510
- 注意
- 關於斷路器連動功能
- 本裝置有搭載斷路器連動功能（維持通電OFF前動作狀態的功能）。
(出貨後的最初通電為運轉停止的狀態)
透過斷路器等進行通電ON/OFF，可開始/停止運轉。
- 若主機設置在不易操作的場所，建議按下運轉入(開)/切(關)鍵，然後透過斷路器等進行通電ON/OFF。
- 距離交貨期還有一段較長的時間時
- PCI機組有壽命限制。（壽命期間等詳情請詳閱正面「更換PCI機組」）
- 本裝置距離交貨期還有一段較長的時間時，請在運轉停止的狀態下進行保管，並於交貨時再次進行運轉動作的確認，確認運轉燈確實有亮燈。
- 請注意，若於運轉狀態下直接開掉斷路器進行保管，可能因停電後復電等非刻意狀態下的通電而開始運轉，進而造成PCI機組的耗損。
- 7
- 8

IMPORTANT SAFETY INSTRUCTIONS

Please observe rules, procedures, and precautions.

To prevent injury to people and damage to the property, we will describe the precautions.

The contents caused by the wrong use are classified as follows.

	WARNING	The risk that "could result in death or serious injury"
	CAUTION	The risk that "could result in minor injury or damage to property"

Symbol description

	It shows that you must not do.
	It shows that you must do.

Installation/Installment location (Location of use)

WARNING

Prevention for fire, short circuit, electric shock or a serious injury.

- Do not pull or bundle by force, placing it under heavy object, alter, or do anything that will damage the power supply or extension cable (Cause of fire/electric shock)
- 1 set of the main unit should not be connected to more than 8 sets of sub unit (If connected to 8 sets and above, it might lead to electric shock or fire)
- This unit is not moisture-proof, therefore please avoid using it in locations that are damp and humid (Cause of bad connection,electric shock)

- Please follow directions from this manual upon installment of the unit (Cause of electric shock, fire or injuries)
- AC Adapter, power adapter must be installed near to the inspection opening for easy check-ups (Adhesion, clogging, backlash of dust could cause fire)
- When using the AC adapter, please make sure that the outlet of the power outlet and power supply plug for AC adapter is not clogged, attached or backlashed with dust before securely plugging in (Adhesion, clogging, backlash of dust could cause fire)
- The hole where an extension cable penetrates from a duct, is protected by a bush-like material in order to keep the extension cable from harm (Cause of fire/electric shock)
- Abide by "The ministerial ordinance that establishes technical standards concerning electrical equipment", "Indoor wiring regulations" and the manual instructions. Only registered electrician is allowed to do installation work for power adapter (Cause of fire/electric shock)
- The wire is securely connected by using the predetermined cable, and be sure that the external force of the cable does not transmit to the terminal connections (Cause of fire/electric shock)

CAUTION

Prevent short circuit or injuries, Protect your property.

- This unit is intended to be used for common indoor air-conditioning ducts. Do not use it in places with direct sunlight, humidity, full of vibrations, where corrosive gas is produced, where oil component (ex: cooking oil), salt floats in the air, and places subject to condensation (Cause of electric shock/malfunction/rust)

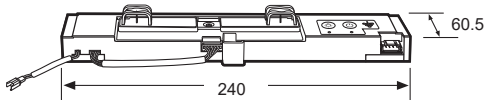
- Use under the range of temperature of 5°C~50°C (Using in high temperature will cause fire and malfunction)
- Dirt, rust, oil, liquid on the adhesive part of the double sided tape must be wiped and dried (When the adhesive force to the unit is weakened, it might cause the unit to fall and lead to injury)

Specifications / Name of each part

Details of the package

Please check the contents of parts.

Model name : IG-002DCT Main unit

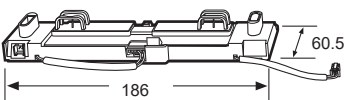


60.5
240

Attachments

Sealing tape (1 sheet)	Instruction manual (this document) (Chinese 1copy) (English 1copy)
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Model name : IG-002DDT Sub unit



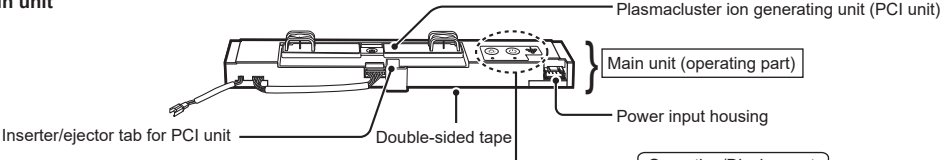
60.5
186

Attachments

Instruction manual (this document) (Chinese 1copy) (English 1copy)
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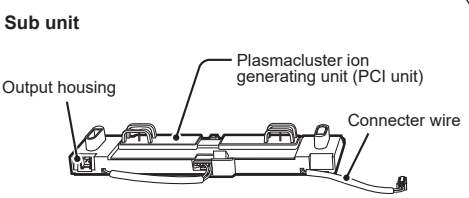
Name of each part

Main unit



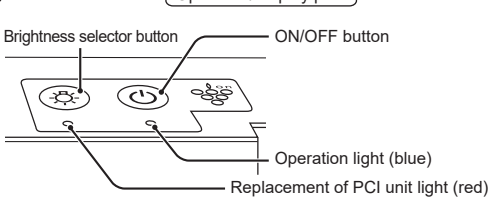
Plasmacluster ion generating unit (PCI unit)
Main unit (operating part)
Power input housing
Double-sided tape
Inserter/ejector tab for PCI unit

Sub unit



Output housing
Plasmacluster ion generating unit (PCI unit)
Connector wire

Operation/Display part



Brightness selector button
ON/OFF button
Operation light (blue)
Replacement of PCI unit light (red)

When you press the ON/OFF button, the operation light (blue) is on, and then the operation will start.
When you press the ON/OFF button again, the operation light (blue) is off, and then the operation will stop.
If you press the brightness selector button, you can change brightness of the operation light (blue). [High]→[Low]→[OFF]

Specification list

Model name	IG-002DCT	IG-002DDT (*)
Details of the package	Main unit	Sub unit
Rated voltage	DC12V (Supplied from an AC adapter or a power adapter)	DC12V (Supplied from a main unit or a sub unit)
Consumed power	At connection of AC adapter : 1.1W At connection of power adapter : 0.9W	0.6W
External dimensions	Width 240mm Depth 60.5mm Height 30.5mm	Width 186mm Depth 60.5mm Height 25mm
Product weight	Approximately 170g	Approximately 120g

(*) Does not operate with IG-002DDT alone
* The main unit (IG-002DCT) has a breaker interlocking function. The sub unit (IG-002DDT) operates together with the main unit.

Use/Handling

WARNING

Prevention for fire, short circuit, electric shock or a serious injury.

- Do not use the AC Adapter if it feels loose when plugging into the outlet (Cause of electric shock/fire)
- Do not remodel the unit. Also, this unit is not to be disassembled or repaired by others, except for the plasmacluster ion generating unit (PCI unit) replacement performed by technicians (Cause of fire/electric shock/injuries)
- Do not use chlorine-based and acid-based detergent when cleaning (These detergent will generate toxic gas that is hazardous to health)

- Dust of the power plug outlet of the AC adapter must be cleaned regularly (Cause of fire)
- Stop the operation and turn off the power supply if found any abnormalities such as having a burnt smell, etc. (Cause of fire/electric shock)
Please contact to a constructor or the store where you purchased the product.
- Please turn off the power supply during care or maintenance
How to turn it off
 - AC adapter must be unplugged from the outlet when in use
 - Circuit breaker must be turn off when power adapter is in use (Cause of electric shock/injury)

CAUTION

Prevent short circuit or injuries, Protect your property.

- Hold the AC adapter body instead of the power cord when unplugging the AC adapter (Cause of electric shock/short circuit/flame)
- Power supply must be turned off if unit is not in use for a long period.
How to turn it off
 - AC adapter must be unplugged from the outlet when in use
 - Circuit breaker must be turned off when power adapter is in use (Insulation deterioration could cause electric shock/short circuit/fire)

In order to consistently release plasmacluster ions, the wind speed that is sent to the unit must be greater than 1.7m/s

Attention

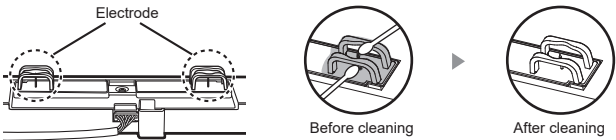
- Do not use cosmetic that contains fluorine resin and silicone near the unit. These cosmetic might clog the unit that will block the generation of the plasmacluster ion
* Hair care products (such as split ends coating serum, hair mousse, hair treatments),cosmetics, antiperspirants, anti-static agents, waterproof spray, polish, glass cleaner, chemically treated cloth, wax, etc



Taking care and replacing the PCI unit

Taking care of the PCI unit

Dust or dirt around the electrode of the PCI unit must be cleaned using a commercial cotton swab at least once in 6 months.



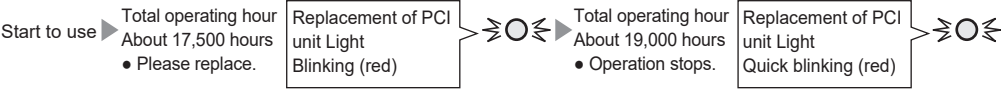
Attention

- Do not touch the electrode with bare hands. (might cause injuries)
- Do not bend the electrode.
- Commercial cotton swab can be damp by ethanol for disinfection (70~80% concentration) for cleaning purpose.

Replacement of PCI unit

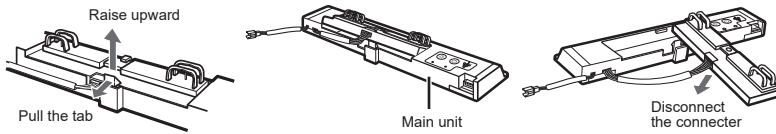
In order that plasmacluster ion is generated consistently, please be sure to replace the PCI unit regularly. When the total operating hours exceed about 17,500 hours (about 2 years, if operating 24 hours a day), the light will blink to notify the replacement timing of the PCI unit. For replacement of the PCI unit, please contact to a constructor or the store where you purchased the product.

Product name: Plasmacluster ion generating unit (PCI unit) for replacement Model name: IZ-CO1DT



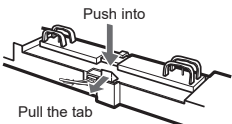
(1) How-to-eject

- Stop the operation with the ON/OFF button
- Pull a tab towards yourself, raise the PCI unit upward and disconnect it from the tab
- Raise the PCI unit towards yourself and eject
- Disconnect the connector from the PCI unit



(2) How-to-insert

- Check if the operation stop
- Install the connector to the PCI unit (push until it clicks)
- Insert the PCI unit at the rear side of the main unit
- Pulling the tab towards yourself, insert the PCI unit
- When the operation stop, hold down the brightness selector button and hold the ON/OFF button for 3 seconds to perform the reset operation
- Release both buttons and press the ON/OFF button to start the operation



When the reset operation is accepted, the operation light and the replacement of PCI unit light will light up alternately for 5 times.
If there is a sub unit, please replace the PCI unit for the sub unit at the same time.

Attention

- If the operation light and the replacement of the PCI unit light blink at the same time, check if the connector is installed. If the problem is not solved after checking, please contact to a constructor or the store where you purchased the product.

Installation method

How-to install the units

1

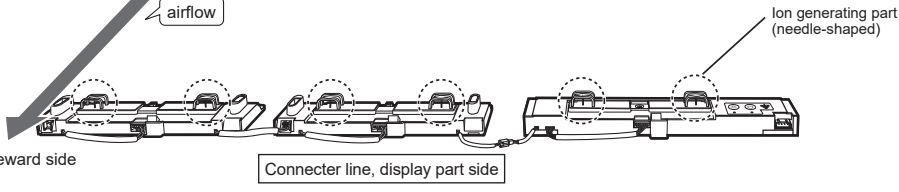
Make a hole in a duct for an extension cable to pass through
Please make an opening with more than φ16mm.

(Note) Cover the opening with bush, etc. not to damage extension cable.
 After passing the extension cable through the hole, fill a gap.

2

Mark the place to install

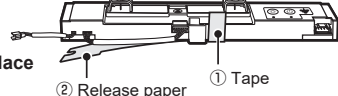
- Install the main unit and sub unit so that the connector line and the display part side the leeward side against the airflow.
- The ion generating part of the PCI unit is needle-shaped. As it is an important part, please be careful not to touch it during the installation work.



3

① **Remove the tape fixed to the PCI unit**
(After removing the tape, please check if the PCI unit is firmly inserted.)

② **Remove a release paper, adjust a main unit and a sub unit to the place marked as 2, and put a tape on the lower surface of a duct.**



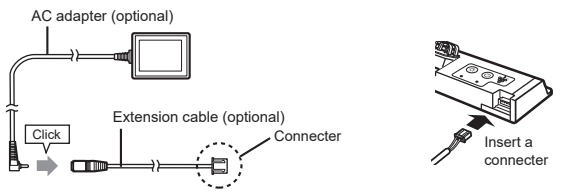
(Precautions) · For the surface for the double-sided tape, wipe dusts, rust, oil, or water away and dry well.
 · After taped, press tightly enough.
 · As the double-sided tape is very strong, it cannot be removed once taped.

4

In case of connecting with the AC adapter (Please read the page on the right when connecting with a power adapter)

To connect with an AC adapter, the AC adapter (optional) and the extension cable for the AC adapter (optional) are needed. Please prepare a extension cable with the appropriate length according to the installation location and conditions.

Connect the AC adapter and an extension cable, and insert a connector of the extension cable to the power input housing of the main unit.



* Insert the AC adapter and the extension cable well until they click.

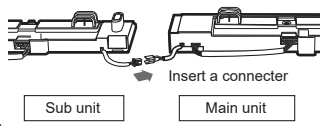
5

Insert the connector wire of the sub unit into the relay connector (female) of the main unit.

* Insert the connector enough until it clicks.

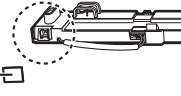
- In case of using the AC adapter, plug into a power outlet
- In case of using the power adapter, connect the triplex cable of the AC side to the distribution board and throw a circuit breaker.

* For a set of the main unit, up to 7 sets of the sub unit can be connected.



6

After turning on the power supply, confirm the operation by pressing the ON/OFF button, and paste the included sealing tape to the output housing of the sub unit, for the protection. (Cause of malfunction / rust)



5

In case of connecting the power adapter

To connect with the power adapter, both of the triplex cable (a commercialized product) and the extension cable for the power adapter (optional) are needed.
Please prepare a cable with the appropriate length according to the installation location and conditions.

1

Take off covers of the AC input side and the DC output side from the power adapter, using a screwdriver.

(Precautions) · Be careful of polar characters for a power supply and a terminal block. (Wrong wiring can cause malfunctions.)
 · When removing electric wires, a power supply must be turned off first, and then pull them out while strongly pressing a push button.

Connection for the AC input side

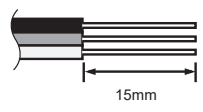
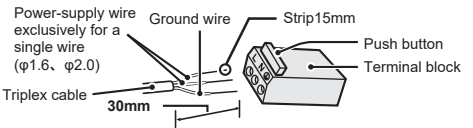
- The work must be done by a certified electrical worker.
- Before the work, a power supply must be turned off.
- Connect the power supply to a single phase 100V to 240V, 50-60Hz power supply through a breaker.

2

① **Cut external cover of a triplex cable (a commercialized product) and expose about 30mm of power-supply wires and a ground wire for each.**

② **Strip each external cover of power-supply wires and a ground wire with the prescribed length (15mm).**
(The compliant electric wire is a single wire with φ1.6 or φ2.0.)

③ **Strongly pressing a push button with a flathead screwdriver or others, insert straight and deep into an insert part of the terminal block as shown in the illustration below** (Pull it once to check the connection.)



* When inserting an electric wire to the terminal block, do not insert it with bending or twisting the cable core portion.
(It may cause an electrification/a fire.)

3

④ **Make a hole in a grommet of the cover for the AC input side and let the triplex cable into the hole to connect.**

⑤ **Using the ground wire, the D-class (the third class) grounding work is carried out** (if it is incomplete, it may cause an electrification).

⑥ **Place the cover of the AC input side on and fix with screws (3 points)**

Connection for the DC output side

- Before the work, the power supply must be turned off.
- Power output is DC12V/1A (maximum) per output. Up to 2 main units can be connected.
- Please prepare a extension cable with the appropriate length according to the installation location and conditions.

3

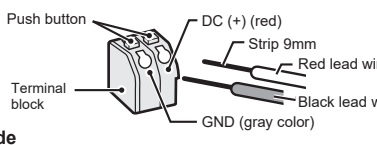
① **Strip the external cover of 2 lead wires for the extension cable at the prescribed length (9mm) for each.**

② **Connect the plus side (a red lead wire) of the extension cable to the plus side (red) of the terminal block, and the GND side (a black lead wire) of the extension cable to the GND side (gray color) of the terminal block.**
Strongly pressing a push button with a screwdriver or others, insert straight and deep into an insert part of the terminal block as shown in the illustration on the right
(Pull it once to check the connection).
* Connect the lead wires after twisted.
(It may cause an electrification/a fire.)

③ **Make a hole in a grommet of the cover for the DC output side and let the extension cable into the hole to connect.**
Then place the cover of the DC output side on and fix with screws (3 points).

④ **Connect a connector of the extension cable to the power input housing of the main unit.**

⑤ **After connecting, go to step 5 in the page on the left.**



Attention

Breaker interlocking function

This unit is equipped with a breaker interlocking function (a function to retain the operating state immediately before power-supply is turned off).
(The operation will be stopped the first time power-supply is turned on.)





You can start/stop operations by turning ON/OFF the power-supply with a breaker, etc.
When installing the main unit in a location where it is difficult to directly operate, it is recommend to enable it to an operating state (after pressing the operation ON/OFF button) and turning ON/OFF the power supply using a breaker etc.

In the case that the delivery period takes a long time

The PCI unit has a lifespan.(Please read the front side of the "Replacement of PCI unit" section for details on the lifespan of PCI unit, etc.)
After the installation of this product, if there is still some time left until its delivery to the customer, stop the operation of this unit temporarily to prevent exhausting the PCI unit. Start the operation again at the time of delivery, and check that the operation light is lighting up.

Please note that operation may be started unintentionally (without operating the ON/OFF button on the unit) due to the breaker interlocking function.

Optional parts for installation

In case of using an AC adapter				In case of using the power adapter			
Product name	Model name	Number of units	Remarks	Product name	Model name	Number of units	Remarks
Extension cable (2m)	IG-9D002T	10		Extension cable (2m)	IG-1D002T	10	
Extension cable (8m)	IG-9D008T	5		Extension cable (8m)	IG-1D008T	5	
AC adapter (DC12V 1A)	IZ-MAC1T	1		Power adapter (DC12V 1Ax2 output)	IZ-MAC2T	1	

For the installation of this product, the optional part, either "AC adapter (IZ-MAC1T)" or "Power adapter (IZ-MAC2T)" is needed.
Depending on the number of installed units or installation places, please prepare one of the above parts.