

Static Remover Option AC Adapter for **ER-VS01**  
**ER-VAPS1**

MJE-ERVAPS1 No.0048-43V

Thank you very much for using Panasonic products. Please read this Instruction Manual carefully and thoroughly for the correct and optimum use of this product. Kindly keep this manual in a convenient place for quick reference.

## 1 OUTLINE

- This product is an AC adapter which is designed for use with the **ER-VS01,ER-Q** spot type ionizer.

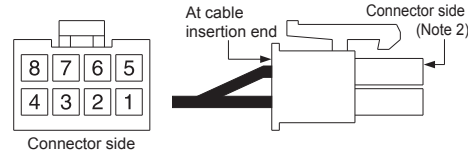
## 2 SPECIFICATIONS

Designation	AC Adapter for <b>ER-VS01,ER-Q</b>
Item	Model No. <b>ER-VAPS1</b>
Input voltage	100 to 240V AC, 50/60Hz
Output voltage	24V DC510 %
Output current capacity	750mA
Ambient temperature	0 to +40°C, Storage: -10 to +70°C
Ambient humidity	35 to 65% RH, Storage: 35 to 65% RH
Weight	120g approx.
Accessories	Wiring connector terminals: 6 { Manufactured by MOLEX: 5556T terminals } { 5557-08R housings } Ground terminal cable (cable length approx. 0.65 m): 1

## 3 CAUTIONS

- Do not use this product in environments which are outside the specification range, otherwise operating problems or damage may occur. In addition, the operating life of the product may become significantly reduced.
- Never disassemble, repair or modify this product, otherwise operating errors or accidents may occur.
- Do not run the wires together with high-voltage lines or power lines or put them in the same raceway. This can cause malfunction due to induction.
- Do not throw this into fire, otherwise it may explode or emit toxic gases.
- This product is not designed to be explosion-proof. Do not use it if there is a danger of fire or explosions.
- Avoid using this product in places where large amounts of steam or dust may be present.
- Do not allow the product to come into direct contact with organic solvents such as thinner or with water, oil or grease.

## 4 CONNECTOR WIRING DIAGRAM



Terminal No.	Model No.	
	ER-VS01	ER-Q
1	0V	0V
2	For ground terminal wiring	COM (+)
3	(Discharge stop output)	N.C. (Not used)
4	(Reset input)	For ground terminal wiring
5	24V	24V
6	For ground terminal wiring for +ground	COM (-)
7	(Check output)	(Check output)
8	(Error output)	(Error output)

Notes: 1) Names in brackets are input and output signal names for the **ER-VS01** spot type ionizer. If using the input and output signals, use the accessory wiring connector terminals to connect the signal pins to the external equipment. Use a separate cable for connecting to the external equipment. In addition, if not using the input and output signals, do not insert anything into the connector.  
 2) Note that the pin layout which appears on the check plate which is attached to the AC adapter represents the layout when looking from the end of the connector.

## 5 WIRING LAYOUT

### ○ ER-VS01

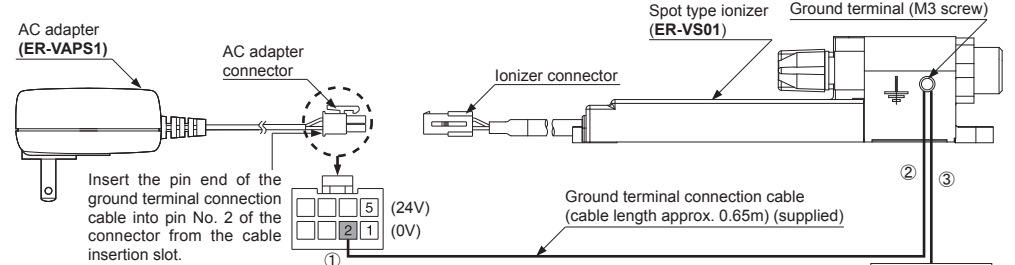
- If using the AC adapter (**ER-VAPS1**), the reference for the **ER-VAPS1** must be set so that it matches the deionizing level reference for the ionizer main unit.
- There are three wiring methods available. Use wiring method A, B or C depending on the operating environment in order to connect the supplied cable for connecting the ground terminal.
- If the specified wiring layout is not used, it may not be possible to determine the reference level for deionizing, and the ion balance may become unstable and errors may occur.

#### Wiring method

- Connect the pin end of the ground terminal connection cable to pin No. 2 (for a +ground, pin No. 6) of the connector for the AC adapter (**ER-VAPS1**).
- Connect the round pin end of the ground terminal connection cable to the ground terminal of the spot type ionizer (**ER-VS01**). (Refer to wiring method A.) For a direct ground connection, refer to wiring method B. For a +ground connection, refer to wiring method C.
- Ground the ground terminal of the **ER-VS01** to the enclosure.  
(Use a separate cable for making the ground.)

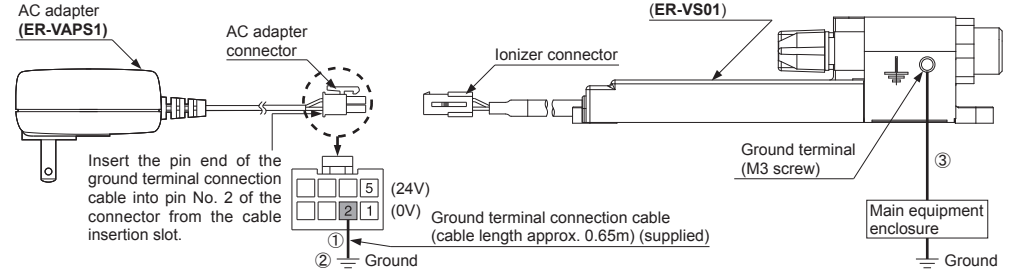
When inserting the supplied ground terminal connection cable into the connector, make sure that it is inserted correctly. A special tool is required for disconnecting the ground terminal connection cable from the connector.

#### <Wiring method A (connection to ground terminal)>



\* Pin No. 2 is connected to pin No. 1 (0V) of the ionizer connector.

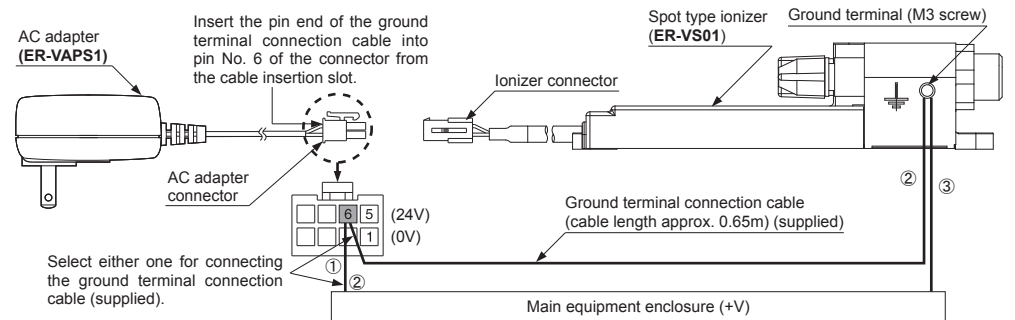
#### <Wiring method B (direct ground connection)>



\* Pin No. 2 is connected to pin No. 1 (0V) of the ionizer connector.

#### <Wiring method C (+ground connection)>

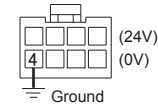
- If the enclosure of the equipment which the spot type ionizer (**ER-VS01**) is connected to is grounded at the +side of the power supply, insert the pin end of the ground terminal connection cable to pin No. 6 of the connector for the AC adapter (**ER-VAPS1**) as shown in the diagram below.



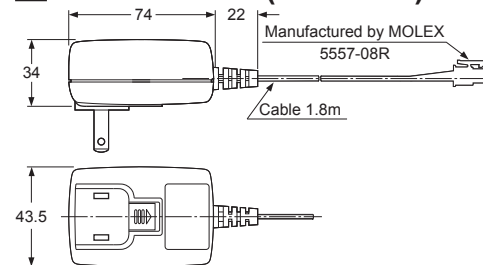
\* Pin No. 6 is connected to pin No. 5 (24V) of the ionizer connector.

### ○ ER-Q

- Pin No.4 is connected to an ground.



## 6 DIMENSIONS (Unit: mm)



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