

Static Remover Option AC Adapter for ER-VW
ER-VAPS1-W

MJE-ERVAPS1W No.0048-26V

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-VW flat type ionizer. (An ER-VW conversion connector is provided with the ER-VAPS1.)

2 SPECIFICATIONS

Designation	AC Adapter for ER-VW
Item Model No.	ER-VAPS1-W (Note)
Input voltage	100 to 240 V AC, 50/60 Hz
Output voltage	24 V DC±10 %
Output current capacity	750 mA
Ambient temperature	0 to +40 °C, Storage: -10 to +70 °C
Ambient humidity	35 to 65 % RH, Storage: 35 to 65 % RH
Weight	120 g approx.
Accessories	Conversion connector: 1 pc. (cable length approx. 0.3 m) Wiring connector terminals: 8 [Manufactured by MOLEX: 5556T terminals]

Note: ER-VAPS1 is indicated on the main AC adapter unit.

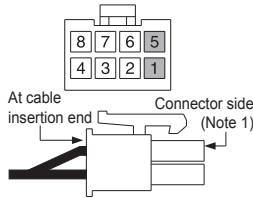
3 CAUTIONS

- 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

<8-pin connector for AC adapter>

(At cable insertion end)

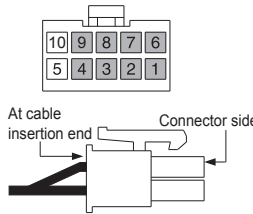


Terminal No.	Cable color	8-pin connector
1	Blue	0 V (Note 2)
2	—	—
3	—	—
4	—	—
5	Brown	24 V (Note 2)
6	—	—
7	—	—
8	—	—

Notes: 1) 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.

<10-pin connector for input and output signals>

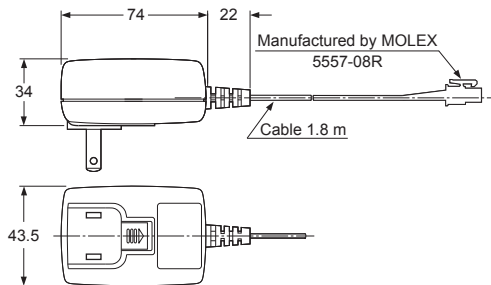
(At cable insertion end)



Terminal No.	Cable color	10-pin connector
1	Blue	0 V (Note 2)
2	Pink	Discharge stop output
3	Purple	Reset input
4	Green/Yellow	Frame ground (F.G.)
5	—	—
6	Brown	24 V (Note 2)
7	Orange	Check output
8	Black	Error output
9	White	Discharge status output
10	—	—

Notes: 1) If using the input and output signals, use the accessory wiring connector terminals to connect the 10-pin connector for input and output signals to the external equipment. Use a separate cable for connecting to the external equipment. [Applicable cable: AWG 18 to 24, Terminal attaching tool: No. 57022-5500 manufactured by MOLEX (recommended)] In addition, if not using the input and output signals, do not insert anything into the 10-pin connector for input and output signals.
2) The 0 V and 24 V lines between the 8-pin connector for AC adapter and the 10-pin connector for input and output signals are connected by means of a jumper wire.

5 DIMENSIONS (Unit: mm)



6 WIRING LAYOUT

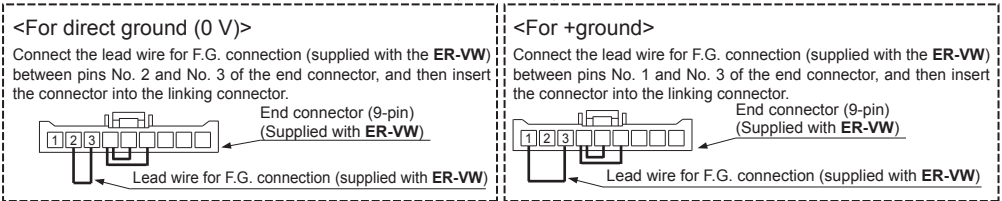
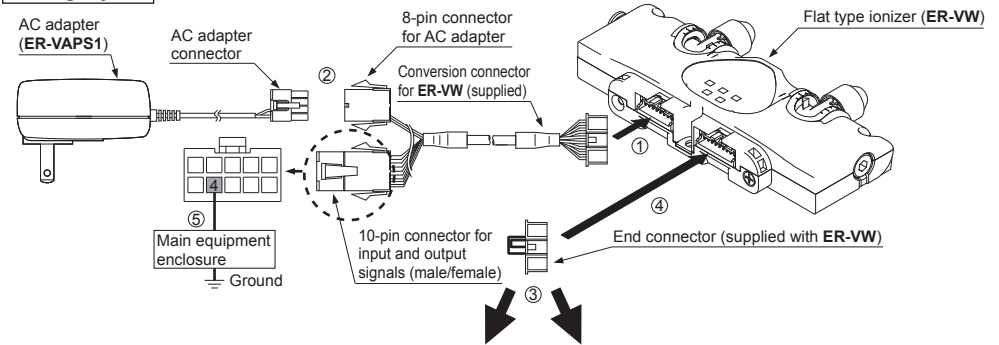
- When using this product, use the wiring method shown as below to ground the product in the same way as for the ER-VW flat type ionizer in order to stabilize the ion balance.
- If the specified wiring layout is not used, it may not be possible to determine the reference level for deionizing, and the ion balance may become unstable and errors may occur.

Wiring method

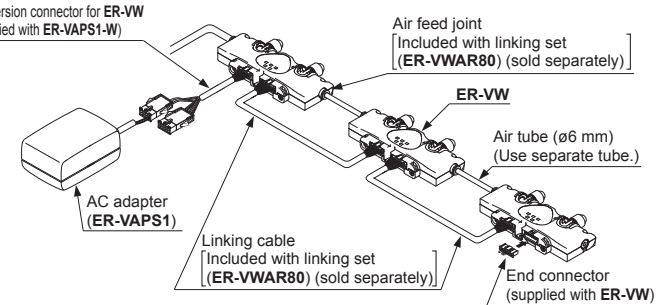
- Insert the conversion connector which is supplied with the AC adapter into the POWER/IN/OUT connector of the main ER-VW flat type ionizer unit.
- Insert the connector of the AC adapter into the 8-pin connector for AC adapter on the conversion connector.
- Connect the lead wire for F.G. connection (supplied with the ER-VW) between pins No. 2 and No. 3 (for a +ground, between pins No. 1 and No. 3) of the end connector (supplied with the ER-VW).
- With the connections made in 3, insert the end connector (9-pin) of the ER-VW.
- Ground pin No. 4 of the 10-pin connector for input and output signals to the enclosure of the main equipment. Use a separate cable for making the ground.

Note: The connection cable which is supplied with the flat type ionizer (ER-VW) cannot be used.

Wiring layout



Note: When connecting multiple thin type ionizers (ER-VW) together for use, be sure to connect the supplied end connector to the linking connector (9-pin) for the final ER-VW in the series. In this case, be sure to connect the end connector according to the wiring process described above.



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