

HRW-CV008

Anti-voltage-sag Kit (Accessory available separately) Operation Manual

Applicable model: HRW series
(Thermo Chiller)

Introduction

Thank you for purchasing the Anti-voltage-sag kit for the Thermo Chiller, HRWseries.

This operation manual is for personnel with adequate knowledge of general industrial equipmental device, and also the knowledge of assembly, operation, and mantenance of them. Do not start assembly peration, maintenance before thoroughly reading and understanding of this operation manual the manual for Thermo Chiller, HRW series.

Mounting are performed by customers referringhis manual.

Please refer the operation manual of Thermo Chiller for the garantee.

This manual is subject to change without prir notice.

Summary

• This kit is intended to prevent the Thermo Chiller from being stopped by vod ge sag.

Safety caution

• Please read through after understanding displayand symbols.

Display	Meaning
Warning	Incorrect opration leads to cause loss of life or serious injury of operator.
Caution	Incorrect operation leads to cause injury or damage or failure to the prduct, facility and equipment.

Mwarning

• Confirm the specification range

This product is designed as a part of the Anti-voltage-sag Kit for Thermo chiller, HRW serieDo not use this for application other than that in specification range.

· Operation manual and procedure shall be fully understood

Read Thermo chiller operation manual (HRX-OM-K003) throughly to understand the α ntent. Keep the manual so that it is accessive any time.

• Do not supply power during mounting

Ensure lock out and tag out of the power supply. Otherwise, Thermo chiller may start bymistake.

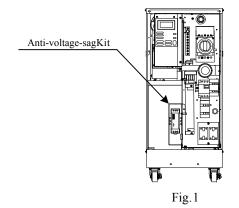
∧Caution

• Do not disassemble nor remode to avoid fluid leakage and operation failure Fluid leakage and operation failure are led to cause.

Preparation

·Plus screw driver (suitable to rotate M4, the main body length 150mm)

Parts mounting

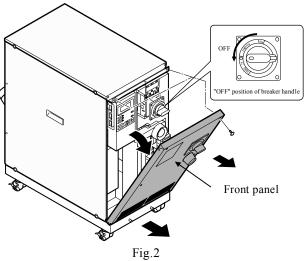


Before mounting

Confirm all accessorires at the page 3 of the unit.

Procedure 1

Check the breaker handle is locked out and tagged out at the position "OFF" and remove the Fronpanel.



Procedure 2.

Mount the Anti-voltage-sag kit as shown in Fig. 3, and fix it by panel screw. (Plus screw driverecommended torque: 1.5Nm)

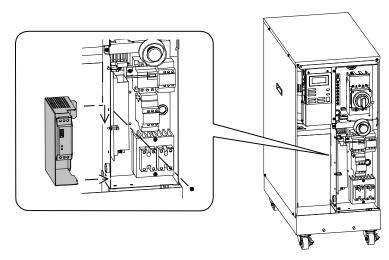


Fig.3

Procedure 3.

Draw the cable A to the part B as shown in Fig. 4. Remove the screws for ground of the Thermoldller and connect the cable A. (Plus screw driver, recommended torque: I5Nm)

Insert connector [J2] of Themo Chiller to connector [J2] of Anti-voltage-sagKit.

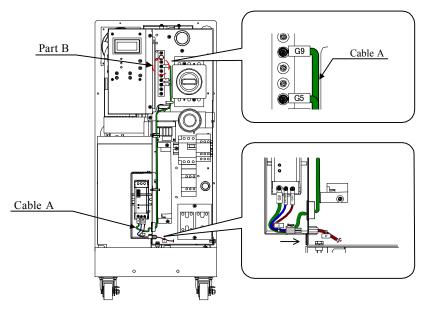


Fig.4

Procedure 4.

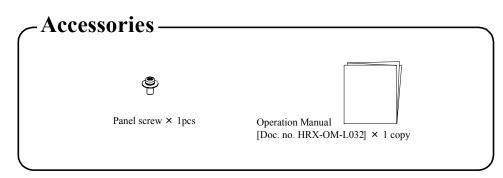
Mount the Front panel. (Cross recessed driver, recommended torque1.5Nm)

Procedure 5.

Run the Thermo Chiller for test following the Operation Manual of the Thermo Chiller HRX-OM-K003".

Specifications

Applicable model	Thermo Chiller HRW series
Purpose	Prevents the thermo-chiller from being stopped by voltage sag.
Specifications	In accordance with the product specifications for the Thermo Chiller HRW series (Doc. No. HRX-PS-K002).
Allowable voltage sag time	1sec



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