

ROSAHL

ELECTROLYTIC DEHUMIDIFIER

「Humidity controller unit」 Manual C-M1J

NOTICE

1. Please read this manual before you use a humidity controller unit, and use it correctly.
2. The person who operates, manages and maintains unit must keep this manual.



RYOSAI TECHNICA CO., LTD.

1-1 Tsukaguchi-Honmachi 8-chome
Amagasaki Hyogo Prefecture, 661-0001, Japan
Tel: +81-6-6497-9078 Fax: +81-6-6497-9082

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For proper usage

- This unit is a dedicated optional part for ROSAHL. Please use with ROSAHL. In combination with a thing except ROSAHL, we cannot take all responsibility about the trouble.



Compulsory

- DO NOT put pin or wire etc. into a unit. It may cause an electric shock and the unit may be damaged or deteriorate.



Prohibited

- DO NOT disassemble, repair or modify the unit. It may cause an electric shock and the performance deterioration, as this may damage it.



Prohibited

Parts name, installation dimensions

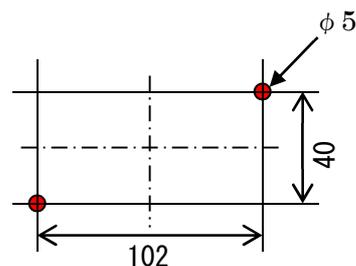
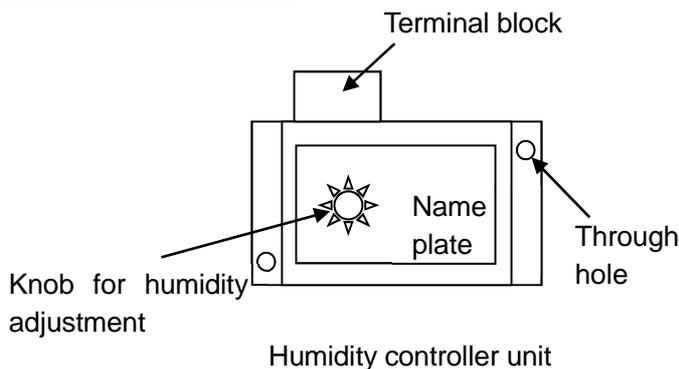


Fig. 1

Installation Method and Location

1

Please attach this unit in a container to dehumidify with ROSAHL.

2

Please install this unit in the good point of the ventilation in a container.

3

Please make holes according to Fig. 1 and fix this unit with two screws well.

4

Please refer to Fig. 2 and Fig. 3 for the connection with ROSAHL. In addition, please connect to FG for earth ground.

Precautions for Use

- (1) Please use a rated electric wire for power supply connection.
(Refer to the product specification)
- (2) Please prepare an electric wire, a grounding cord, the installation screw.

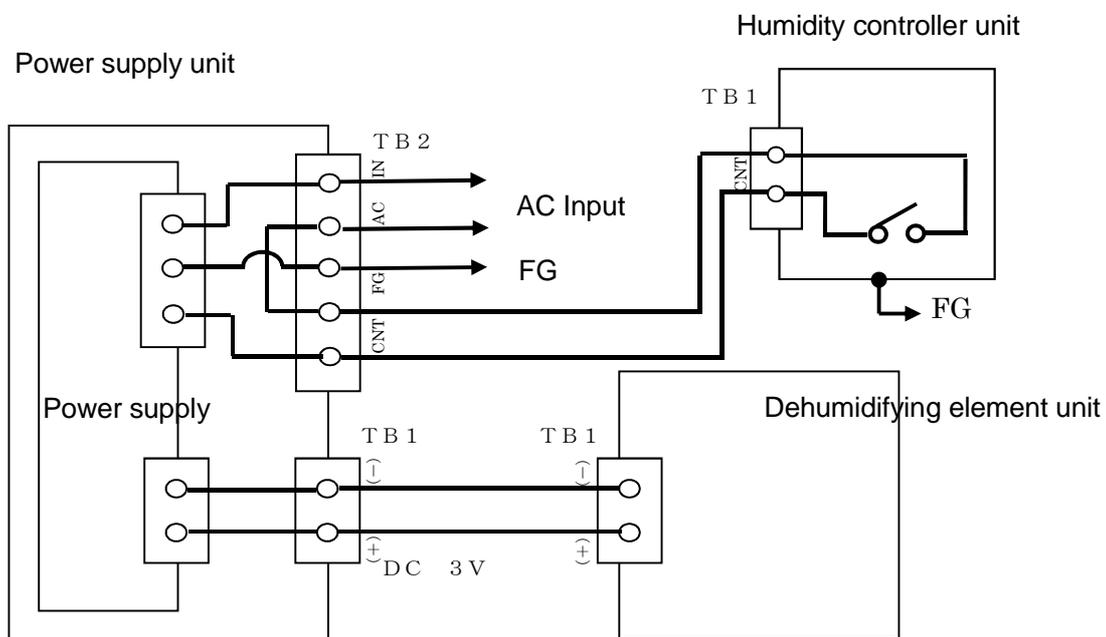


Fig. 2 Circuit diagram between the unit (in the case of Separate Type Dehumidifier / RDHB)

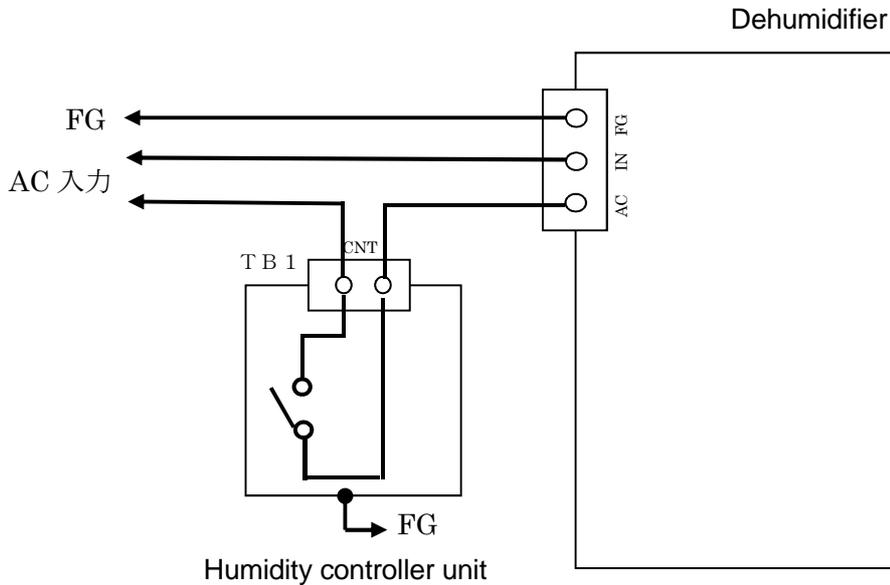


Fig. 3 Circuit diagram between the unit (in the case of General Dehumidifier / RDH)

Usage

1. In the case of Separate Type Dehumidifier / RDHB

1

Please rotate a knob to a lot of right. (Low humidity side)

2

Please put an AC power. (Use AC100V or AC200V)

3

Please confirm lighting of the LED of Power supply unit and Dehumidifying element unit. (use situation)

* Soon after having switched it on, LED may not turn on for 3-5 minutes, but this is not abnormal.

• Please confirm the following by any chance when LED does not turn on.

(1) When the both LED of Power supply unit and Element unit do not turn on

- a) Is the input power supply connected?
- b) Is the connection between each unit correct?
- c) Does not the surface of the Element unit's moisture discharging side get wet with water?

(In this case, the overcurrent protective circuit of the power supply operates, and the LED does not turn on. However, if a water wet state is canceled, Power supply unit returns to a normal state and the LED turns on.

(2) When the LED of the power supply unit turns on, but the LED of the element unit does not turn on

- a) Are a power supply unit and an element unit wired?
- b) Is not the polarity of the wiring between a power supply unit and the element unit wrong?

Please confirm the matter mentioned above, and please contact to agency or us when the LED does not still turn on for a long time.

4 Please adjust for voltage adjustment of the power supply unit so that the supply voltage is in the range of DC2.95 - 3.05V in an element unit terminal block after the LED of both units is lighting for 15-20 minutes.

5 Please set the knob of the humidity controller unit in a value desired.

2. In the case of General Dehumidifier / RDH

1 Please rotate a knob to a lot of right. (Low humidity side)

2 Please put an AC100V power.

3 Please confirm lighting of the LED of Power supply unit and Dehumidifying element unit. (use situation)
* Soon after having switched it on, LED may not turn on for 3-5 minutes, but this is not abnormal.

- Please confirm the following by any chance when LED does not turn on.
 - a) Is the input power supply connected?
 - b) Is the connection between each unit correct? (Refer to Fig.3)
 - c) Does not the surface of the Dehumidifying element's moisture discharging side get wet with water?(In this case, the overcurrent protective circuit of the power supply operates, and the LED does not turn on. However, if a water wet state is canceled, Power supply returns to a normal state and the LED turns on.

Please confirm the matter mentioned above, and please contact to agency or us when the LED does not still turn on for a long time.

4 Please set the knob of the humidity controller unit in a value desired.

Specifications

Humidity controller unit

Model name	Dimensions(mm)	Weight(kg)	Humidity set range(%RH)	Operating temp.(°C)
C-M1J	78x112x50	0.2	20 to 80	-10 to 50

Notes

- 1) The real value may make a around $\pm 10\%$ difference for the setting value.
- 2) By a change of the environment (temperature etc.), the humidity in the container may change.
(This unit does not have the function that keeps a container constantly at the desired.humidity.
- 3) Please turn the knob for humidity adjustment slowly.