

Electric Dehumidifier

# ROSAHL

## Instruction Manual

### Humidity Controller Unit C-M1J

#### NOTICE

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



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## For Proper Usage

- This unit is an option part exclusively for ROSAHL. Use it as a set with ROSAHL. We cannot guarantee for any troubles caused by using in combination with other than ROSAHL.



Prohibited

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



Prohibited

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



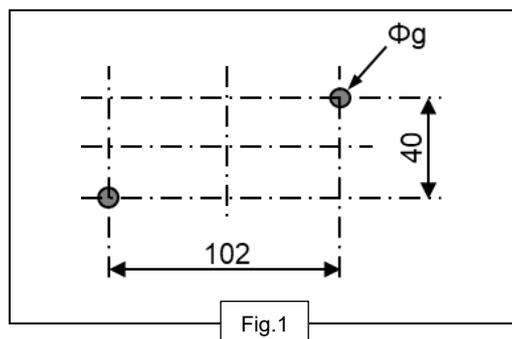
Prohibited

## Installation

Make installation hole for the following dimensions on the container and attach the unit with two screws.

Note 1) Processed dimensions for Installation hole, refer to Fig.1.

Note 2) The connection to Electric Dehumidifier "ROSAHL", refer to Fig.2.



## Precautions for Use of ROSAHL

- 1) This unit is an option part exclusively for ROSAHL. Use it as a set with ROSAHL.
- 2) Attach the unit on the inside of a container that is dehumidified with ROSAHL.
- 3) Attach the unit in a place where air can easily circulate in the container as much as possible.
- 4) There may be a gap about  $\pm 10\%$  from the set value.  
(We do not guarantee the accuracy. Please consider the set value as a guide only.)
- 5) Humidity inside a container may change due to changes in the surrounding environment.  
The unit does not have the function that keeps inside of a container at the specified humidity.
- 6) Do not do remodeling. The unit may break down.

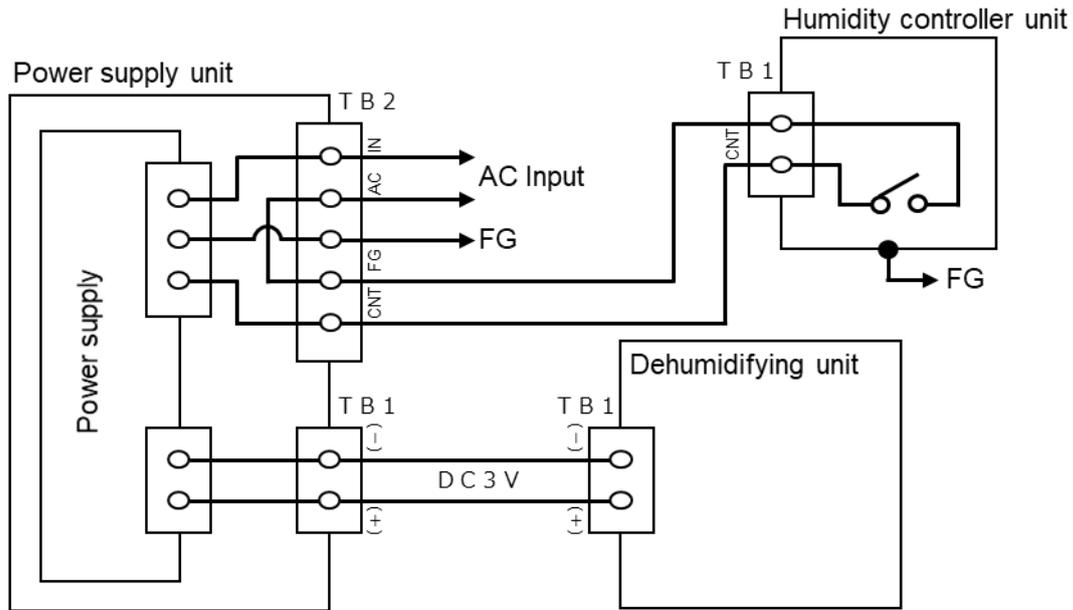


Fig.2 Connection diagram between the units (For separate type dehumidifier [RDHB series])

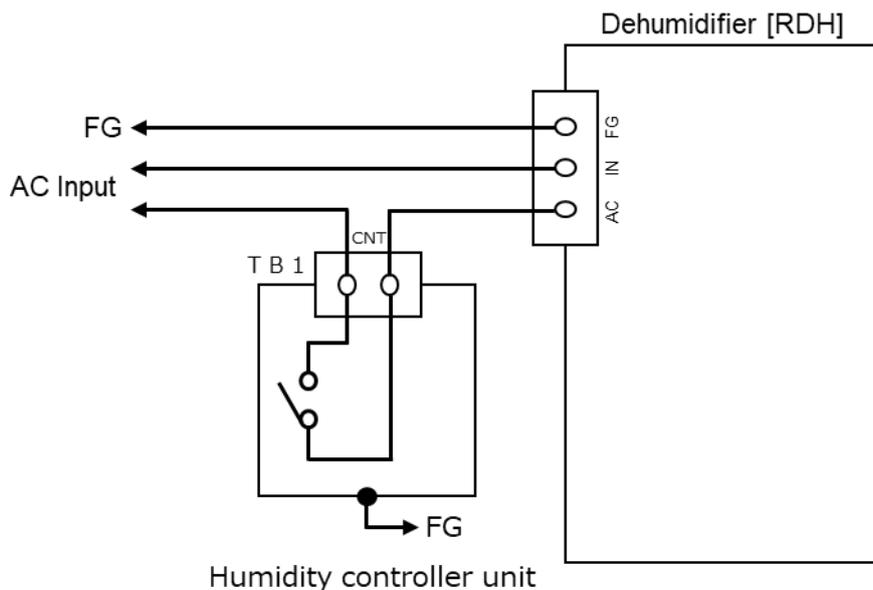


Fig.3 Connection diagram between the units (For general type dehumidifier [RDH series])

## 1. For Using with Separate Type Dehumidifier [RDHB series]

**1** Please set the knob of humidity controller as the right side of it as possible.  
(Low humidity side)

**2** Please turn on the AC power supply and get energized.

**3** Please confirm lighting of the LED.\* (It is a usage state)  
\*Note : It might take 3-5 minutes to light the LED on the initial stage of turning on the power supply.  
This is not abnormal.

●Please confirm the following matters when LED doesn't light.

- (1) When LEDs of both the power supply unit and dehumidifying unit do not light
  - a) Is the power supply correctly connected?
  - b) Is the connection between units correctly connected?
  - c) Does not the moisture discharging side of a dehumidifying unit get wet?  
(In this case, the overcurrent protection circuit of the power supply functions and LED does not light. If the wet state is canceled, it returns to normal state.)
- (2) When LED of the power supply unit light and LED of the dehumidifying unit does not light
  - a) Is the power supply unit and the dehumidifying unit connected?
  - b) Is not the polarity of wiring between the power supply unit and the dehumidifying unit wrong?

**4** Please adjust the voltage of the power supply unit in the range of 2.9 ~ 3.3V DC at the terminal block of the dehumidifying unit after 15-20 minutes the LEDs of both the power supply unit and the dehumidifying unit light.  
\*The location of voltage adjustment hole, refer to Fig.6 on page 5.

**5** Please set the knob of humidity controller at the value you want.

## 1. For Using with General Type Dehumidifier [RDH series]

**1** Please set the knob of humidity controller as the right side of it as possible.  
(Low humidity side)

**2** Please turn on the AC power supply and get energized. (Please use 100V AC \*)  
\*Note : RDH-10J1 & RDH-10J2 can be used with 100/200V AC

**3** Please confirm lighting of the LED.\* (It is a usage state)  
\*Note : It might take 3-5 minutes to light the LED on the initial stage of turning on the power supply.  
This is not abnormal.

●Please confirm the following matters when LED doesn't light.

- (1) Is the power supply correctly connected?
- (2) Is the input voltage correct?
- (3) Does not the moisture discharging side of a dehumidifying element get wet?  
(In this case, the overcurrent protection circuit of the power supply functions and LED does not light. If the wet state is canceled, it returns to normal state.)

**4** Please set the knob of humidity controller at the value you want.

## Specifications

Model Name		C-M1J
Items		
Dielectric Strength	(V)	2000 AC (per minute)
Dimensions	(mm) <sup>*1</sup>	112×78×35
Weight	(kg)	0.2
Humidity Set Range	(%RH)	20 ~ 80
Operating Temperature	(deg C)	-10 ~ 50

Note \*1 : Dimensions show the values of  
H × W × D in the figure below.

### ●Precautions for Humidity Controller

- (1) The humidity controller only turns on / off the dehumidification function, and does not have the function that keeps inside of a container at the specified humidity.
- (2) There may be a gap about  $\pm 10\%$  from the set value. Also, the conditions of use and depending on changes in the surrounding environment, the gap may become even larger. So please consider the set value as a guide only. We do not guarantee the accuracy.
- (3) Please turn the knob of humidity controller slowly.

## Outline

