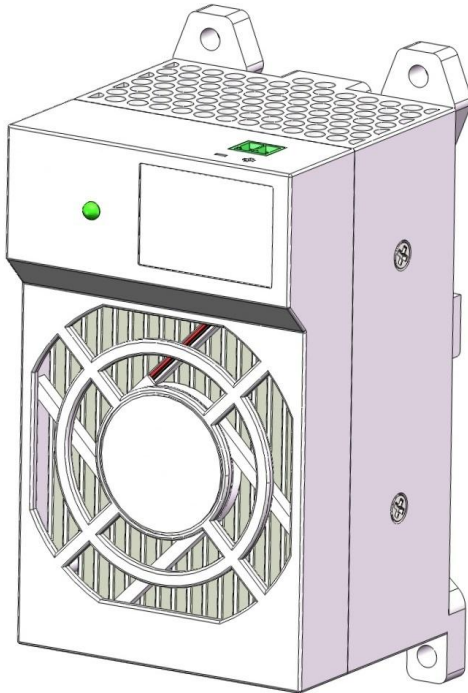


Instruction Manual for Mini-Dehumidifier PN-D2412D

Mini-Dehumidifier Thermoelectric Assembly



Technical Parameters

Project	Technical parameters
Working power supply	DC 12V
Electric power	24W
Humidity detection range	1%RH~99%RH
Humidity measurement accuracy	±3%RH
Dehumidification start value	55%RH (Customizable)
Dehumidification stop value	35%RH (Customizable)
Dehumidifying capacity	250ml/24h (35°C RH=85%)
Storage temperature	-30°C~70°C
Operating temperature	0°C~55°C
Outline dimension	104mm*64mm*66mm
Net weight	330g
Aqueduct specification	Heat-resistant silicone pipe L=1m

**Tolerances for thermal and electrical parameters are ± 10%.

Product Introduction

PN-D2412D Mini Intelligent Dehumidifying Device adopts the semi-conducting cooling dehumidification method. The fans of dehumidification device absorb the moist air into dehumidification air tube from confined space. When the moist air contacts the cooling parts, the moisture in the air will turn into condensation water. Condensation water under the effect of gravity drip into the water tank and drain off from aqueduct. The recycling of the dehumidification process drains the water of cabinet in the form of condensation water, so as to dehumidify and prevent condensation.

The dehumidifying way of semiconductor refrigeration can reduce the amount of water in the air. It can also reduce both air humidity and relative humidity in the confined space. This model overcomes the disadvantages that traditional heating dehumidification cannot truly reduce air humidity and cause the temperature in cabinet rise.

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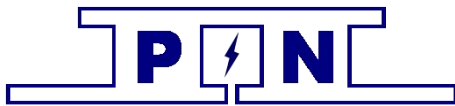
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Product Features

1. Small size, light weight and broad application;
2. Convenient installation with DIN35 rail/bolt;
3. Low power consumption, lager volume dehumidification;
4. Real time sampling of humidity, rapid response to changes in ambient humidity;
5. Discharging and condensing in the dehumidification tube, heating and dehumidifying the effluent gas, dehumidifying anti-condensation comprehensively;
6. Drainage system condenses condensate water out of the cabinet timely.
7. Start and stop dehumidification values are adjustable;
8. Automatic defrosting at low temperature;
9. Automatic stopping at high temperature and double temperature switch protection.

User Guide

1. Install the dehumidification device **vertically** in the cabinet;
2. Turn on electricity → Automatic real-time detection of humidity in the cabinet → Start dehumidification when the humidity is greater than the start value → Stop dehumidification when the humidity is less than the dehumidification stop value;
3. Repeat the above process, and keep the humidity in the cabinet within the setting range.

Installation Instructions

1. DIN35 rail installation or using M4 screw fixing installation;
2. **The top of the dehumidifier (air inlet) and the front (outlet) need to keep more than 8cm from other devices, so as to ensure that the air inlet and outlet are smooth;**
3. Insert the aqueduct into the joint at the bottom of the dehumidifier, and the other side of the aqueduct to the outside of the cabinet;
4. Turn on the power.

Packing List

Packing List			
1	Mini-Dehumidifier PN-D2412D	1Set	
2	Product Manual	1PC	Or Electronic version of the manual
3	Silicone Rubber aqueduct	1M	
4	Nylon Harness	1PC	