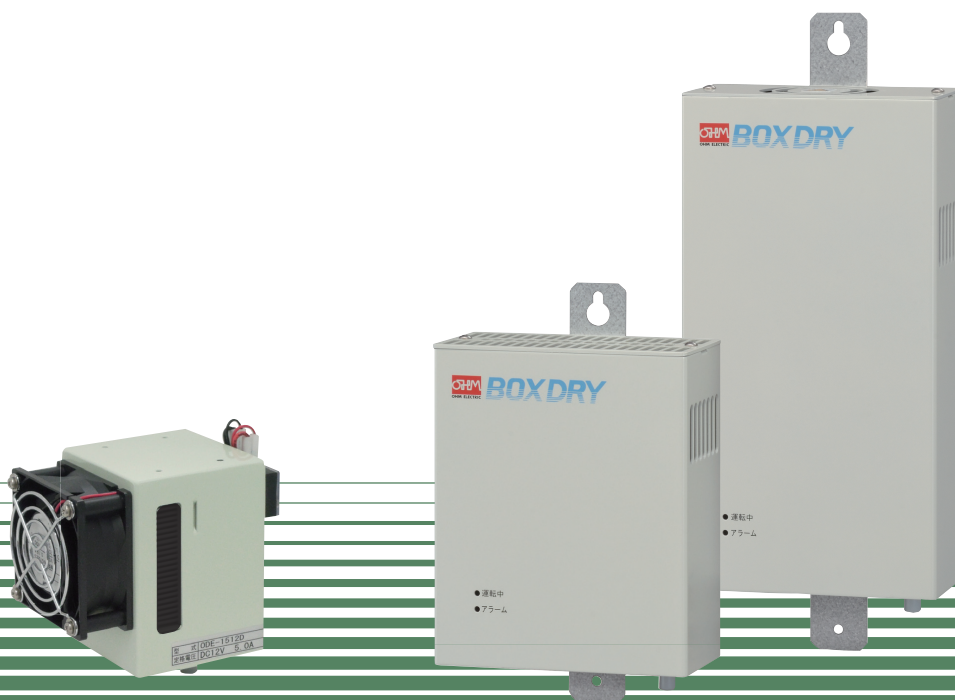


Thermoelectric dehumidifier

BOX DRY



Thermoelectric dehumidifier | Forced cooling PAT.

ODE-F110-AW

ODE-F122-AW

Capability
 F110: 10ml/h
 F122: 22ml/h



Supply includes

- BOXDRY : 1 pc.
- Drain hose : 1.5m
- Harness for alarm output : 0.5m
- Instruction manual : 1 copy

Net weight : 1.2kg

Net weight : 1.8kg

RoHS2

Model/Specification

Model		ODE-F110-AW	ODE-F122-AW
Dehumidification capacity *1		10ml/h	22ml/h
Rated voltage		Single phase, 100 - 240V AC	
Current consumption	In dehumidifying operation	0.15A (AC100V) 0.1A (AC200V)	0.4A (AC100V) 0.2A (AC200V)
	When dehumidifying operation is stopped	0.02A (AC100V) 0.03A (AC200V)	0.05A (AC100V) 0.06A (AC200V)
Starting current		2.5A	4.5A
Rated power consumption	Dehumidification ON	14W	40W
	Dehumidification OFF	2W	5W
Working temperature		0 to 55 °C, ice-free	
Working humidity		Max. 95%RH	
Operation mode		Continuous/Automatic (Energy-saving)	
Setting for automatic operation		To run in 50% or higher and stop below 50%	
Function		•Detection of high temperature at radiation part·····When radiation part has reached +80°C •Detection of thermoelectric module error····· When current value of the thermoelectric module has dropped •Detection of abnormal working temperature·····When operation has stopped beyond the working temperature range (Below 0°C or beyond +60°C) •Detection of temperature sensor disconnection····· When temperature sensor caused wire disconnection	
Error output		Contact capacity 24V DC 300mA 1a	
Power connection		Power cable Triplex, 2m	
Noise		42.5dB (A)	49dB (A)
Dimensions *3		W132×H162×D66 mm	W132×H250×D66 mm
Weight		1.2kg	1.8kg

*1 Nominal value with ambient humidity of 80%RH at 30°C

*2 Supply voltage should be within the specified range with fluctuation not exceeding ±10%.

*3 Drain pipe, cable and mounting stay are excluded.

Communication cable/Software designed for BOXDRY

- Enables to retrieve the sampling data to be taken in a PC.
- The factory setting can be changed. See our website for the detailed specification.

Related product

Drain evaporator

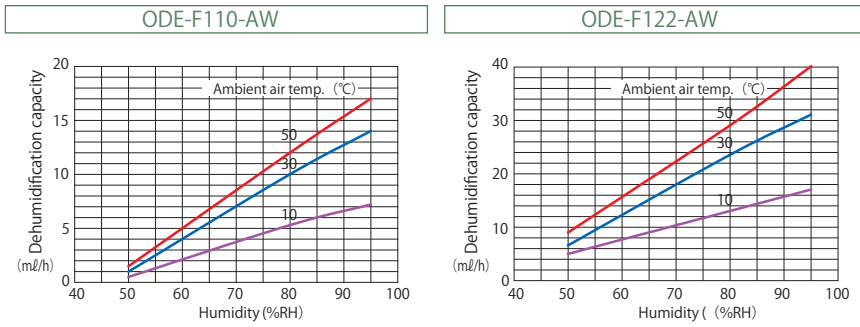


EVAPRO

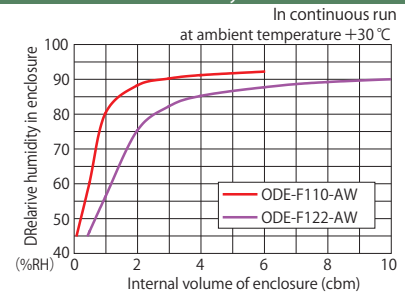
■ Performance chart

Dehumidification capability of BOXDRY is determined by the volume of the enclosure to which it is applied. The intersection of the vertical axis and the performance curve shows the dehumidification capability.

Dehumidification characteristics chart

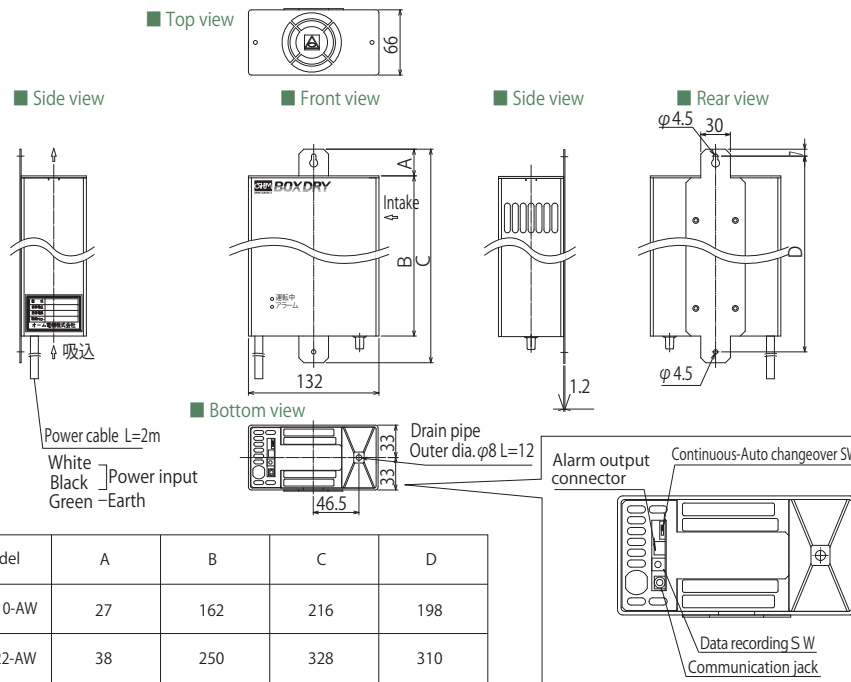


Performance variation by internal volume

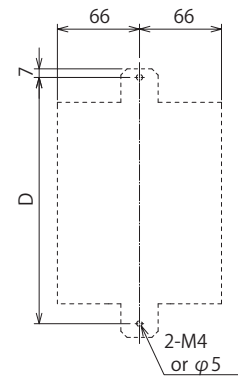


Note: The above chart shows correlation of internal humidity and cubic measure of an enclosure under the condition at 100% relative humidity and 30°C temperature outside the enclosure on condition that the enclosure has no vent, its door is hermetically sealed and not opened more than one time a day.

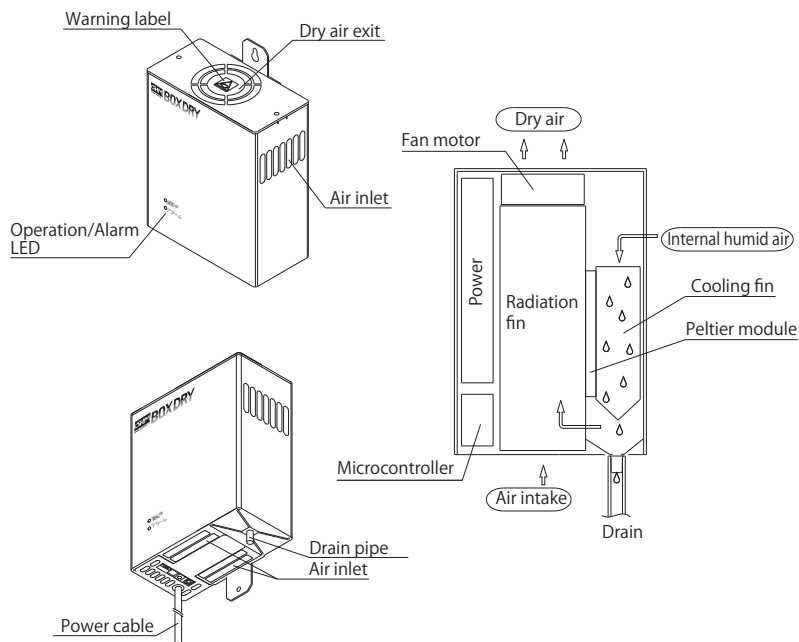
■ Outline dimensions



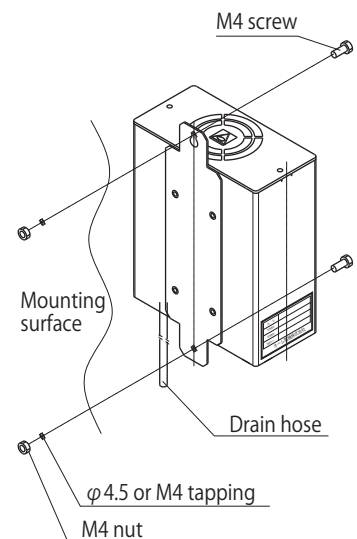
■ Panel cutout



■ Structural drawing



■ Installation drawing



BOXDRY » ODE-F110-AW / ODE-F112-AW

Thermoelectric dehumidifier Natural cooling PAT.

ODE-N103-AW

ODE-N105-AW

Capability
 N103: 3ml/h
 N105: 5ml/h



Supply includes

- BOXDRY : 1 pc.
- Drain hose : 1.5m
- Harness for alarm output : 0.5m
- Instruction manual : 1 copy

Net weight 1.1kg

Net weight 1.7kg

RoHS2

■ Model/Specification

Model		ODE-N103-AW	ODE-N105-AW
Dehumidification capacity *1		3ml/h	5ml/h
Rated voltage *2		Single phase, 100 - 240V AC	
Current consumption	In dehumidifying operation	0.1A (100V AC) 0.05A (200V AC)	0.24A (100V AC) 0.12A (200V AC)
	When dehumidifying operation is stopped	0.02A (100V AC) 0.03A (200V AC)	0.05A (100V AC) 0.06A (200V AC)
Starting current		2.5A	4.5A
Rated power consumption	Dehumidification ON	10W	25W
	Dehumidification OFF	2W	5W
Working temperature		0 to 45°C, ice-free	
Working humidity		Max. 95%RH	
Operation mode		Continuous/Automatic (Energy-saving)	
Setting for automatic operation		To run in 50% or higher and stop below 50%	
Function		Detection of high temperature at radiation part.....When radiation part has reached +80°C Detection of thermoelectric module error..... When current value of the thermoelectric module has dropped Detection of abnormal working temperature.....When operation has stopped beyond the working temperature range (Below 0°C or beyond +50°C) Detection of temperature sensor disconnection..... When temperature sensor caused wire disconnection	
Error output		Contact capacity 24V DC 300mA 1a	
Power connection		Power cable Triplex, 2m	
Dimensions *3		W132×H162×D66 mm	W132×H250×D66 mm
Weight		1.1kg	1.7kg

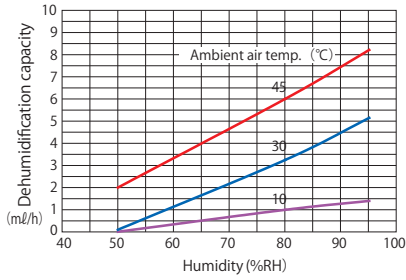
*1 Nominal value with ambient humidity of 80%RH at 30°C
 *2 Supply voltage should be within the specified range with fluctuation not exceeding ±10%.
 *3 Drain pipe, cable and mounting stay are excluded.

Performance chart

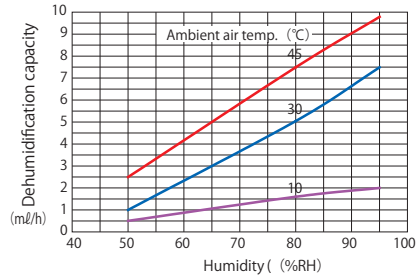
Dehumidification capability of BOXDRY is determined by the volume of the enclosure to which it is applied. The intersection of the vertical axis and the performance curve shows the dehumidification capability.

Dehumidification characteristics chart

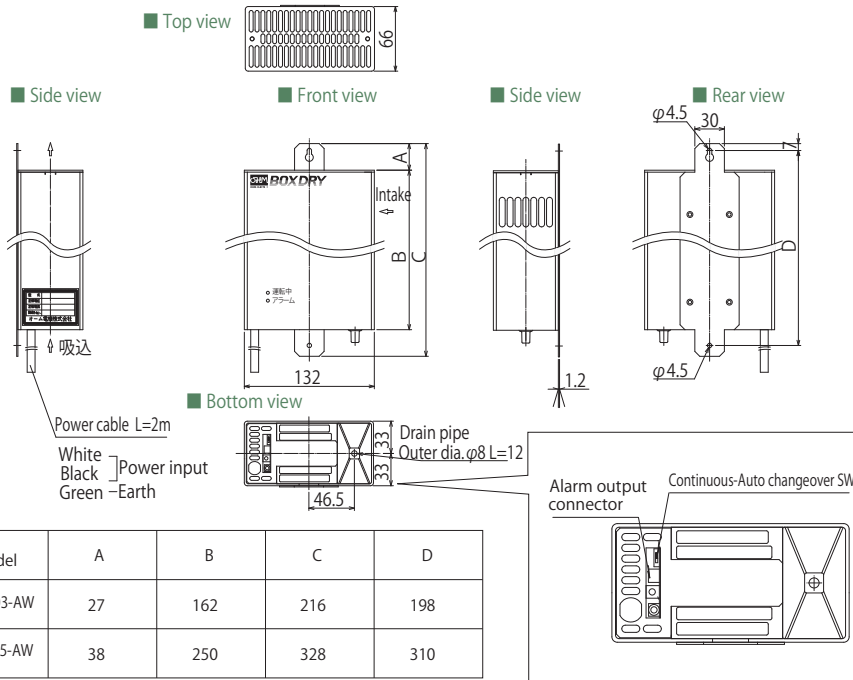
ODE-N103-AW



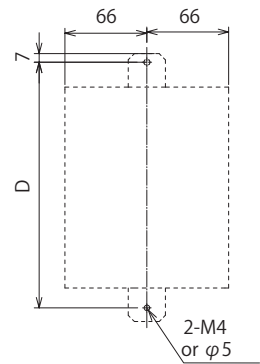
ODE-N105-AW



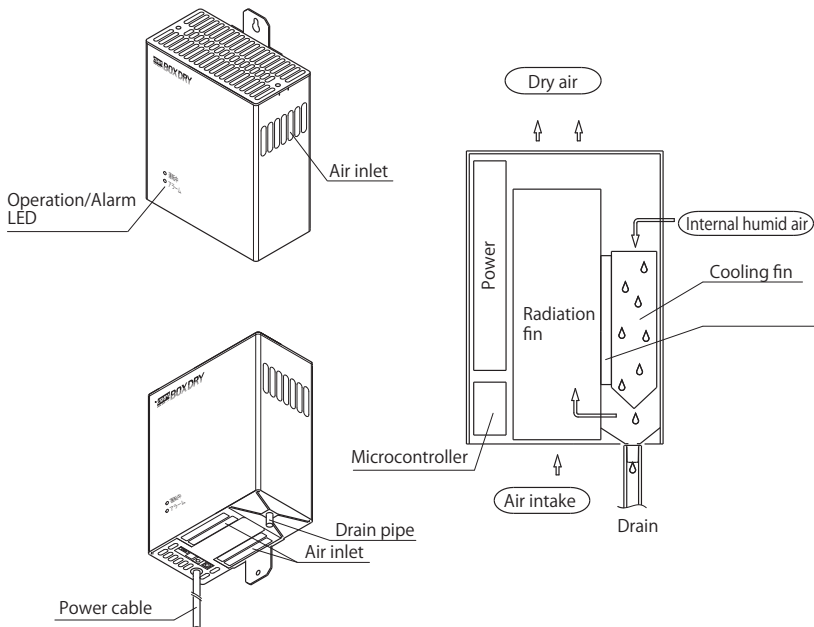
Outline dimensions



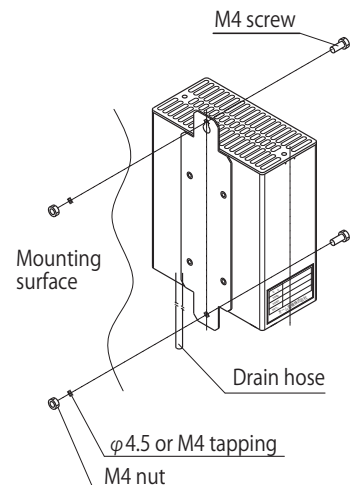
Panel cutout



Structural drawing

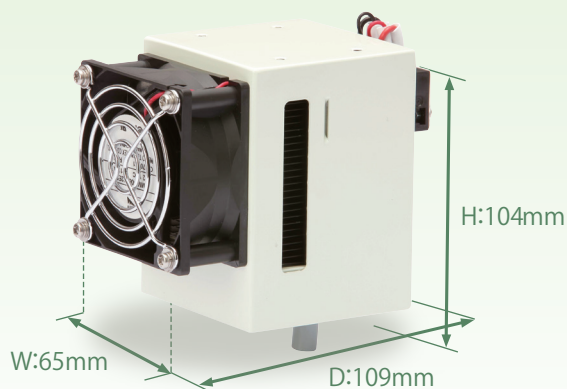


Installation drawing



Thermoelectric dehumidifier | Compact type

ODE-1512D

 Capability
 15ml/h


Supply includes

- BOXDRY : 1 pc. ●Mounting stay : 1 pc.
- M3×6 screw : 2 pcs.
- Drain hose : 1.5m
- Instruction manual : 1 copy

Net weight : 500g

RoHS

Model/Specification

Model	ODE-1512D
Dehumidification capacity *1	15ml/h
Rated voltage *2	DC12V
Rated current consumption	5.0A or less
Starting current	5.2A
Working temperature *3	+10 to +60°C
Working humidity	Max. 95%RH
Overheat protection on radiation side	None
Operation mode	Continuous
Vibration withstand	Frequency 10~55Hz, Total amplitude 0.7mm, Cycle 5 min., X,Y, Z direction 25 min. each
Power connection	Screw terminal board
Dimensions	W65×H104×D109 mm
Weight	500g

* 1 Nominal value with ambient humidity of 80%RH at 30°C

* 2 Supply voltage should be within the specified range with fluctuation not exceeding $\pm 5\%$.

* 3 If the ambient temperature decreases to near +10°C, the cooling fin may freeze up. In such case, dehumidification performance will be lessened.

●ODE-1512D has no microcontroller-controlled functions like energy-saving operation.

Related product

Drain evaporator

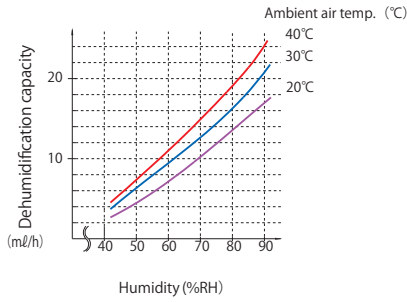


EVAPRO

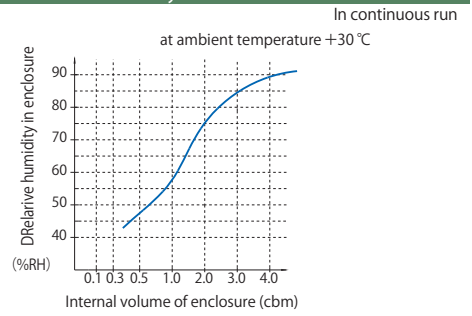
Performance chart

Dehumidification capability of BOXDRY is determined by the volume of the enclosure to which it is applied. The intersection of the vertical axis and the performance curve shows the dehumidification capability.

Dehumidification characteristics chart

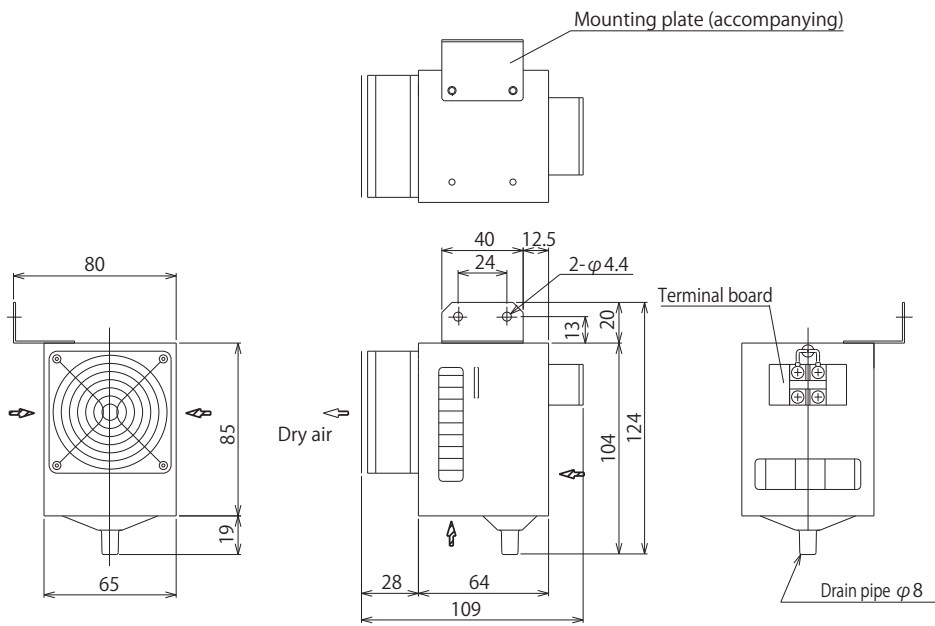


Performance variation by internal volume

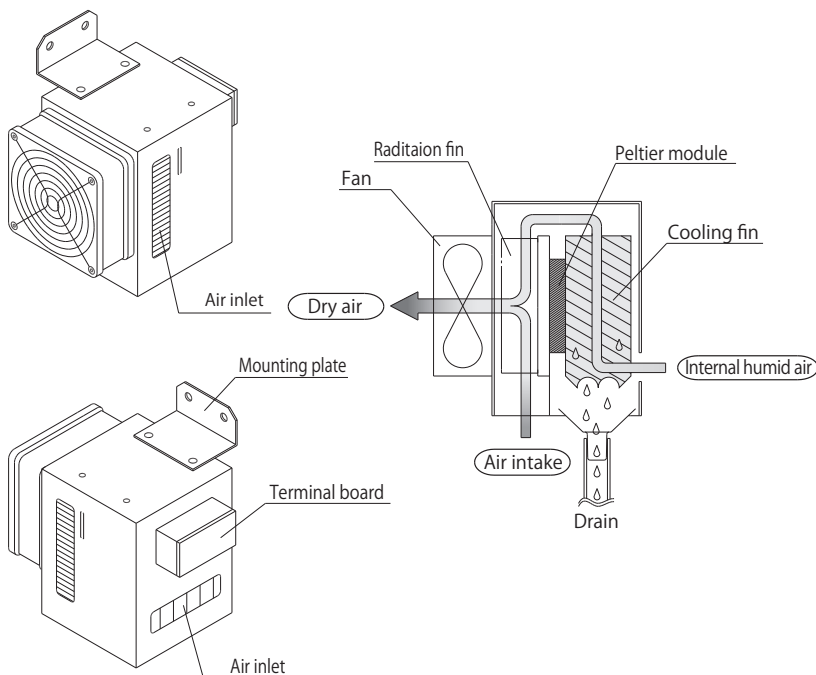


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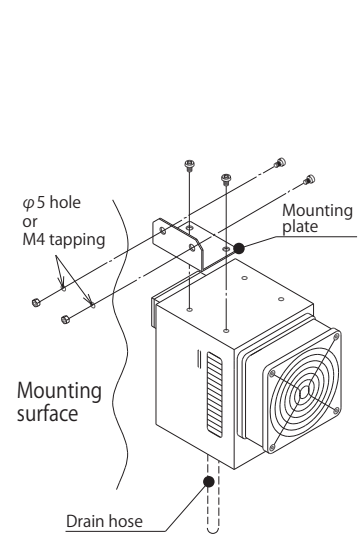
Outline dimensions



Structural drawing



Installation drawing



Distributor _____



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Please read the enclosed instruction manual carefully before use.

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- The contents of this catalog are subject to change without prior notice for product improvements.
- The contents of this catalog is as of January 2020.