

Cooling Fans

Thermostat

Overview

Axial
Flow
FansAC Input
Low-Power
Consumption
EMUAC Input
Compact Size
MUAC Input
Large Size,
Large Air Flow
MRSAC Input
Long-Life
MREDC Input
MDS
MDDC Input
Alarm
MDADC Input
Variable Flow
MDVDC Input
Long-Life
MDEDC Input
Splash proof
MDPCentrifugal
BlowersAC Input
MB
DC Input
MBDCross
Flow
FansAC Input
MF
DC Input
MFDEnclosure
Fan Modules

Thermostat

Thermostat

Fan Thermostat



● For detailed information about regulations and standards, please see the Oriental Motor website.



Automatically performs ON and OFF fan control in accordance with the temperature fluctuation inside the equipment. This helps improve the equipment's "environmental" performance relative to energy savings, noise reduction, etc.

They are more affordable and easier to use than conventional products.

- Increased Operating Temperature Accuracy and Reset Temperature Accuracy



See Full Product Details Online
www.orientalmotor.com

● Manual

● Specifications

● Dimensions

● CAD

● Characteristics

● Connection and Operation

Features

Using a thermostat with a fan provides ON/OFF control of the fan in accordance with the thermostat's set temperature, resulting in reduced power consumption.

- **Compact Design**
Width 33 mm (1.30 in.) × Height 70 mm (2.76 in.) × Thickness 42.5 mm (1.67 in.)
- **Temp. Setting Range 0~60°C (32~140°F)**
[Setting Error: ±5°C (±41°F)]
High sensitivity due to a large bimetal design
- **Easy Connection**
Compatible with a cross slot and straight slot screwdriver
- **Optimal Air Circulation Design**
Because the slit area is large, it is easier to detect the air around a built-in temperature detection unit, resulting in stable operation.
- **Easy Setting**
No need for tools thanks to the thumb dial
- **Conforms to DIN Rail**

Fan Thermostat **AM2-XA1/AM2-WA1**

Product Line

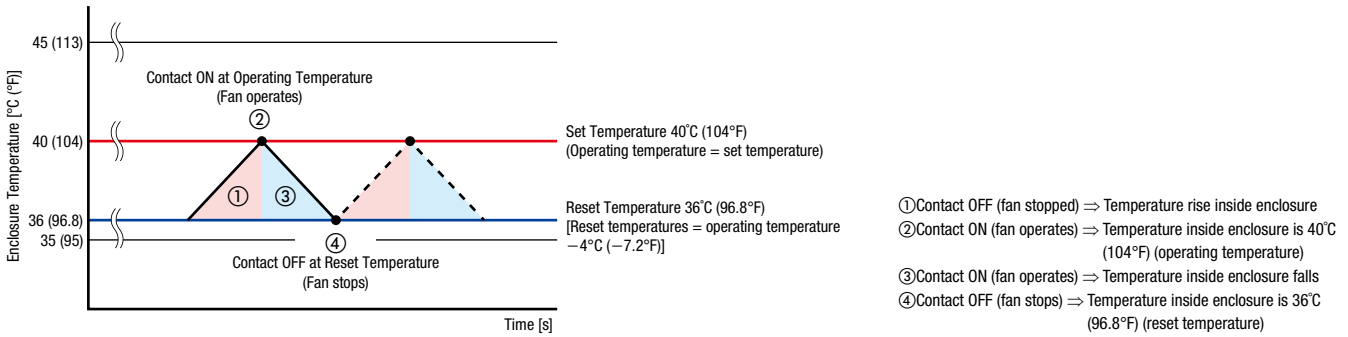
Type	Product Name	List Price
Centigrade (°C)	AM2-XA1	\$35.00
Fahrenheit (°F)	AM2-WA1	

The following items are included with each product.
Thermostat, Operating Manual

Operation Flow (Example)

Fan Thermostat AM2-XA1/AM2-WA1

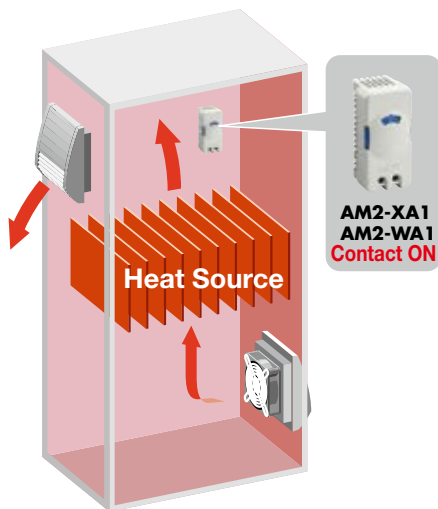
When the fan activation temperature is set to 40°C (104°F), and the fan turns ON due to temperature rise inside the enclosure



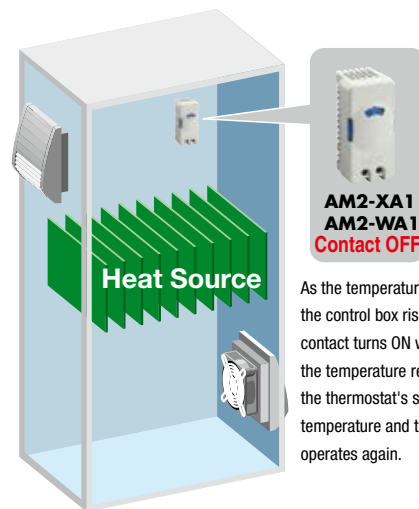
Operation Example

Example) When using a fan thermostat

- When the temperature inside the control box reaches the thermostat's set temperature, the contact turns ON and the fan operates.

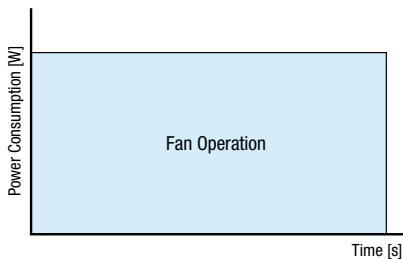


- The interior of the control box is cooled, and when the temperature falls below the thermostat's set temperature, the contact turns OFF and the fan stops.

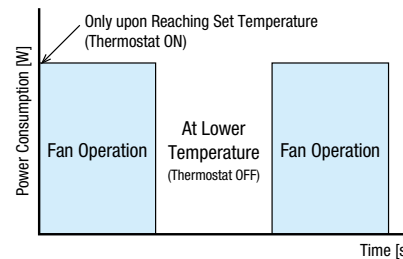


Power Consumption Comparison

- Fan in constant operation



- Fan in combination with thermostat operating intermittently



Overview

Axial Flow Fans

AC Input Low-Power Consumption EMU

AC Input Compact Size MU

AC Input Large Size, Large Air Flow MRS

AC Input Long-Life MRE

DC Input MDS MD

DC Input Alarm MDA

DC Input Variable Flow MDV

DC Input Long-Life MDE

DC Input Splash proof MDP

Centrifugal Blowers

AC Input MB
DC Input MBD

Cross Flow Fans

AC Input MF
DC Input MFD

Enclosure Fan Modules

Thermostat

For details (specifications, characteristics, dimensions and more) on these products, please either refer to our website or contact technical support or your nearest Oriental Motor sales office.

www.orientalmotor.com

