

DC Input/Fans with Low-Speed Alarms

MDA Series

(Only for **MDA1238**)

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



These are axial flow fans that employ a brushless DC motor. These fans are equipped with a circuit that outputs an alarm when the fan speed drops due to the life of the fan, an external factor, etc.



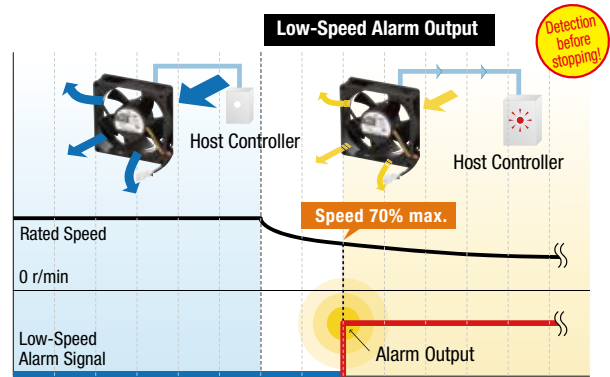
See Full Product Details Online
www.orientalmotor.com

- Manual
- Specifications
- Dimensions
- CAD
- Characteristics
- Connection and Operation

Features

Fans with Low-Speed Alarms

An alarm is output when the fan speed drops due to the service life of the fan or the ingress of foreign objects. This makes it possible to order and replace the fan with a new one before it stops. If multiple cooling fans are being used, it is possible to only replace the cooling fan with decreased cooling capacity thus minimizing the effect on the equipment.



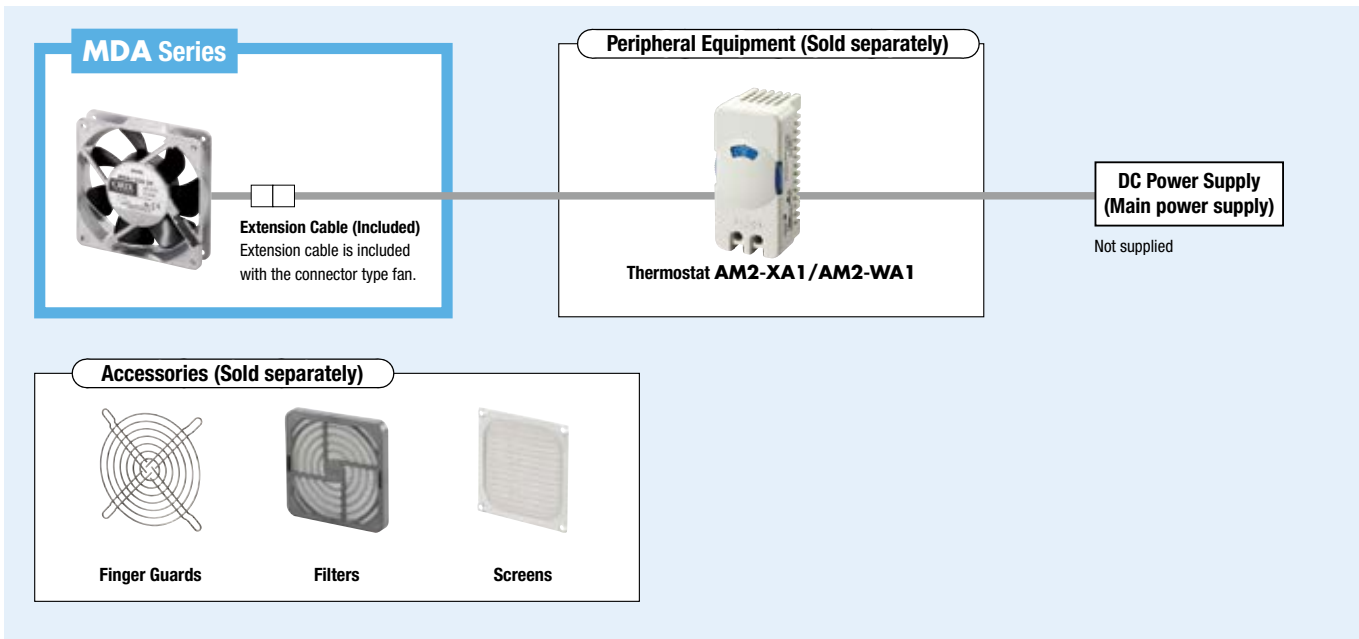
Wide Variety of Products

A product line of 7 fan sizes is available, with frame sizes from □62 mm (□2.44 in.) to φ172 mm (φ6.77 in.).

	MDA625	MDA825	MDA925	MDA1225	MDA1238	MDA1451	MDA1751
Frame Size	□62 mm-25.4 mm Thick (□2.44 in.-1.00 in. Thick)	□80 mm-25.4 mm Thick (□3.15 in.-1.00 in. Thick)	□92 mm-25.4 mm Thick (□3.62 in.-1.00 in. Thick)	□119 mm-25.4 mm Thick (□4.69 in.-1.00 in. Thick)	□119 mm-38 mm Thick (□4.69 in.-1.50 in. Thick)	□140 mm-51 mm Thick (□5.51 in.-2.01 in. Thick)	φ172 mm-51 mm Thick (φ6.77 in.-2.01 in. Thick)
Power	12 VDC	●	●	●	●	●	●
Supply Voltage	24 VDC	●	●	●	●	●	●
	48 VDC					●	

● Also available in a fan kit (fan, finger guard and installation screws).

System Configuration



Product Number

● Fan Only

MDA 12 25 - 24 H

① ② ③ ④ ⑤

● Fan Kit

T - MDA1225 - 24H - G

① ② ③

①	Series	MDA: MDA Series
②	Frame Size	6: 62 mm (2.44 in.), 8: 80 mm (3.15 in.), 9: 92 mm (3.62 in.) 12: 119 mm (4.69 in.), 14: 140 mm (5.51 in.), 17: ϕ 172 mm (ϕ 6.77 in.)
③	Frame Thickness	25: 25.4 mm (1.00 in.), 38: 38 mm (1.50 in.), 51: 51 mm (2.01 in.)
④	Power Supply Voltage	12: 12 VDC, 24: 24 VDC, 48: 48 VDC
⑤	Connection Type	Blank: Lead Wire Type H: Connector Type

①	Fan Kit Order Code
②	Fan Product Name
③	-G: With finger guard and installation screws

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

Product Line

Lead Wire Type

Size	Additional Function	Power Supply Voltage VDC	Fan Only		Fan Kit	
			Product Name	List Price	Product Name	List Price
□62 mm - 25.4 mm Thick (□2.44 in. - 1.00 in. Thick)	Electronic Alarm Type	12	MDA625-12	\$35.00	T-MDA625-12-G	\$37.00
		24	MDA625-24	\$35.00	T-MDA625-24-G	\$37.00
□80 mm - 25.4 mm Thick (□3.15 in. - 1.00 in. Thick)		12	MDA825-12	\$35.00	T-MDA825-12-G	\$38.00
		24	MDA825-24	\$35.00	T-MDA825-24-G	\$38.00
□92 mm - 25.4 mm Thick (□3.62 in. - 1.00 in. Thick)		12	MDA925-12	\$37.00	T-MDA925-12-G	\$41.00
		24	MDA925-24	\$37.00	T-MDA925-24-G	\$41.00
□119 mm - 25.4 mm Thick (□4.69 in. - 1.00 in. Thick)		12	MDA1225-12	\$55.00	T-MDA1225-12-G	\$59.00
		24	MDA1225-24	\$55.00	T-MDA1225-24-G	\$59.00
□119 mm - 38 mm Thick (□4.69 in. - 1.50 in. Thick)		24	MDA1238-24	\$70.00	T-MDA1238-24-G	\$75.00
		□140 mm - 51 mm Thick (□5.51 in. - 2.01 in. Thick)	24	MDA1451-24	\$90.00	T-MDA1451-24-G
48			MDA1451-48	\$90.00	T-MDA1451-48-G	\$94.00
φ172 mm - 51 mm Thick (φ6.77 in. - 2.01 in. Thick)		24	MDA1751-24	\$109.00	T-MDA1751-24-G	\$120.00

Connector Type

Size	Additional Function	Power Supply Voltage VDC	Fan Only		Fan Kit	
			Product Name	List Price	Product Name	List Price
□62 mm - 25.4 mm Thick (□2.44 in. - 1.00 in. Thick)	Electronic Alarm Type	12	MDA625-12H	\$41.00	T-MDA625-12H-G	\$43.00
		24	MDA625-24H	\$41.00	T-MDA625-24H-G	\$43.00
□80 mm - 25.4 mm Thick (□3.15 in. - 1.00 in. Thick)		12	MDA825-12H	\$41.00	T-MDA825-12H-G	\$44.00
		24	MDA825-24H	\$41.00	T-MDA825-24H-G	\$44.00
□92 mm - 25.4 mm Thick (□3.62 in. - 1.00 in. Thick)		12	MDA925-12H	\$43.00	T-MDA925-12H-G	\$47.00
		24	MDA925-24H	\$43.00	T-MDA925-24H-G	\$47.00
□119 mm - 25.4 mm Thick (□4.69 in. - 1.00 in. Thick)		12	MDA1225-12H	\$61.00	T-MDA1225-12H-G	\$65.00
		24	MDA1225-24H	\$61.00	T-MDA1225-24H-G	\$65.00
□140 mm - 51 mm Thick (□5.51 in. - 2.01 in. Thick)		24	MDA1451-24H	\$96.00	T-MDA1451-24H-G	\$100.00
		48	MDA1451-48H	\$96.00	T-MDA1451-48H-G	\$100.00
φ172 mm - 51 mm Thick (φ6.77 in. - 2.01 in. Thick)		24	MDA1751-24H	\$115.00	T-MDA1751-24H-G	\$126.00

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.

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Axial
Flow
Fans

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Low-Power
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Compact Size
MU

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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
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Fans

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