DC Input/Fans with Low-Speed Alarms
MDA Series

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.

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 □172 mm (□6.77 in.).

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>MDA625</th>
<th>MDA825</th>
<th>MDA925</th>
<th>MDA1225</th>
<th>MDA1238</th>
<th>MDA1451</th>
<th>MDA1751</th>
</tr>
</thead>
<tbody>
<tr>
<td>□62 mm-25.4 mm thick</td>
<td>●</td>
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<tr>
<td>□80 mm-25.4 mm thick</td>
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</tr>
<tr>
<td>□92 mm-25.4 mm thick</td>
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<tr>
<td>□119 mm-25.4 mm thick</td>
<td>●</td>
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<tr>
<td>□119 mm-38 mm thick</td>
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<tr>
<td>□140 mm-51 mm thick</td>
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<tr>
<td>□172 mm-51 mm thick</td>
<td>●</td>
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<td>●</td>
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<td>●</td>
<td>●</td>
</tr>
<tr>
<td>□172 mm-51 mm thick</td>
<td>●</td>
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</table>

Power 12 VDC
Supply 24 VDC
Voltage 3V VDC

Also available in a fan kit (fan, finger guard and installation screws).
### System Configuration

#### MDA Series

- **Extension Cable (Included)**
  - Extension cable is included with the connector type fan.

#### Peripheral Equipment (Sold separately)

- **Thermostat AM2-XA1**
  - DC Power Supply (Main power supply)
  - Not supplied

#### Accessories (Sold separately)

- **Finger Guards**
- **Filters**
- **Screens**

### Product Number

#### Fan Only

**MDA 12 25 - 24 H**

1. **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: ø172 mm (ø6.77 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**

#### Fan Kit

**T - MDA1225 - 24H - G**

1. **Fan Kit Order Code**
2. **Fan Product Name**
3. **-G: With finger guard and installation screws**
### DC Input/Fans with Low-Speed Alarms
#### MDA Series

#### Product Line

**Lead Wire Type**

<table>
<thead>
<tr>
<th>Size</th>
<th>Additional Function</th>
<th>Power Supply Voltage DVC</th>
<th>Fan Only</th>
<th>Fan Kit</th>
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</thead>
<tbody>
<tr>
<td>□ 62 mm - 25.4 mm Thick</td>
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<td></td>
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<tr>
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<tr>
<td>□ 172 mm - 51 mm Thick</td>
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#### Connector Type

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

www.orientalmotor.com/catalog
## Cooling Fans

### Overview, Product Series

#### 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
  - 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**
- **Accessories**
- **Installation**

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**CAD Data**

**www.orientalmotor.com**

**Technical Support**

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