The VA range is an electronic type speed-controller which provides infinite variation of fan speed from 100% down to approximately 30% of full speed.

When used to control a number of identical fans the sum of the full load amps of all the connected fans must not exceed 85% of the maximum rating of the controller. The fans should be identical.

Power consumption is reduced by up to 70%.

The motors must be designed for speed control.

**Warning**

Check with our Sales Department before using the VA controllers with run-on timers.

**Note**

To minimise electronic hum from larger PSC (Permanent Split Capacitor) motors, a constant active is connected to the start winding via the capacitor and the run winding is regulated by the speed controller (4 wire connection).

A PSC motor is sometimes referred to as a Capacitor Run motor.

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**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Max. Amps</th>
<th>On/Off Switch</th>
<th>Mounting</th>
<th>LED Power Light</th>
<th>Dimensions, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>VA2.0POT**</td>
<td>2.0</td>
<td>No</td>
<td>Bracket</td>
<td>No</td>
<td>25W x 30H x 50D</td>
</tr>
<tr>
<td>VA2.0</td>
<td>2.0</td>
<td>Yes</td>
<td>Recess</td>
<td>No</td>
<td>70W x 114H x 36D</td>
</tr>
<tr>
<td>VA2.8</td>
<td>2.8</td>
<td>Yes</td>
<td>Recess</td>
<td>Yes</td>
<td>70W x 114H x 36D</td>
</tr>
<tr>
<td>VA5.0</td>
<td>5.0</td>
<td>Yes</td>
<td>Recess</td>
<td>Yes</td>
<td>70W x 114H x 51D</td>
</tr>
<tr>
<td>VA8.0</td>
<td>8.0</td>
<td>Yes</td>
<td>Recess</td>
<td>No</td>
<td>70W x 114H x 51D</td>
</tr>
</tbody>
</table>

**Warning**

* The VA2.0POT unit is designed to be mounted within equipment or enclosures; e.g. HB12E Fan Header Boxes, as well as Mixvent Series duct mounted fans. It will not fit in a standard wall plate.

The VA range, being triac-type controllers, can cause an electronic hum particularly at low speeds.

The VA range is generally suitable for use with any speed-controllable single-phase motors. Ensure the motor amperage does not exceed the rating of the controller.

**WIRING DIAGRAMS**

**VA2.0POT**

**VA2.0 & VA2.8**

for 3 wire connection

**VA5.0**

**VA8.0**

for 4 wire connection

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**Enclosure rating - IP00**

**Note**

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