PWM Motor Speed Controller

AT-006

### **CONTACT US:**

- © 0044 (0) 1704-516 501
- □ enquiries@united-automation.com
- www.united-automation.com



- **Precision Speed Control:** Independently programmable maximum and minimum fan speeds ensure no interference between settings.
- Easy Operation: Two push buttons in conjunction with the potentiometer allow for effortless speed adjustments.
- LED Indicator
- **Robust Design**
- ✓ Compact and Mountable: The controller features 4 x 3.5mm diameter fixing holes on 32x32mm centres for easy installation.

The **PWM Motor Speed Controller** is a versatile and reliable solution specifically designed to optimise the performance of Torin-Safin fan models like the MIBR190038 EC3BA090 or similar. This advanced controller allows precise adjustment of fan speeds, ensuring that both maximum and minimum speed settings can be programmed independently without interference. A standout feature is its built-in safety mechanism, preventing the maximum speed from being set below the minimum speed and maintaining a minimum 5% difference between the two. This guarantees consistent and controlled airflow for your applications.

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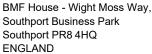
Programming the fan speeds is straightforward, using two push buttons in combination with a potentiometer. The unit features an LED indicator to show when the speed adjustment mode is active, making it user-friendly and easy to operate. Additionally, all limits can be quickly reset by pressing and holding both buttons until the LEDs turn off.

Designed for flexible installation, the controller can be mounted to a front panel using the potentiometer or secured via four 3.5mm diameter fixing holes on 32x32mm centres.

#### **APPLICATIONS:**

- Ideal for applications requiring precise and reliable fan speed control.
- EC Fans & Motors.
- Torin-Safin fan models like the MIBR190038 EC3BA090 or similar.

| TECHNICAL SPECIFICATIONS    |                             |
|-----------------------------|-----------------------------|
| Input Voltage               | 8-12V                       |
| Nominal Current Consumption | 1.6mA                       |
| Speed Adjustment Indicator  | LED                         |
| Reverse Protection          | Included                    |
| ESD Protection              | Human body model up to 4kV  |
|                             | -10°C to +60°C with up to   |
| Operating Temperature Range | 90% non-condensing humidity |
| Dimensions                  | 36 x 36mm                   |
| Height from Base of Thread  | 24mm                        |











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### **DOCUMENTS**

Other documents available on request, which may be appropriate for your application:

| Code   | Identity | Description  |
|--------|----------|--|
| X10255 | SRA      | Safety Requirements: Addressing the Low Voltage Directive (LVD) including Thermal Data/Cooling, Live Parts Warning, Earthing Requirements and Fusing Recommendations |
| P01.1  | cos      | UAL Conditions of Sale   |

It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.T. regulations (BS7671) by suitably qualified/trained personnel. The regulations contain important requirements regarding the safety of electrical equipment. For International standards refer STANDARDS on D of C.

## PRODUCT CODE AND RELATED PRODUCT CODE

| Product Code | Product Description                 |
|--------------|-------------------------------------|
| A-AT-006     | PWM Motor Speed Controller – AT-006 |



