



PWM Motor Speed Controller

AT-006

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KEY FEATURES:

- ✓ **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.

APPLICATIONS:

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

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.

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.

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
Operating Temperature Range	-10°C to +60°C with up to 90% non-condensing humidity
Dimensions	36 x 36mm
Height from Base of Thread	24mm

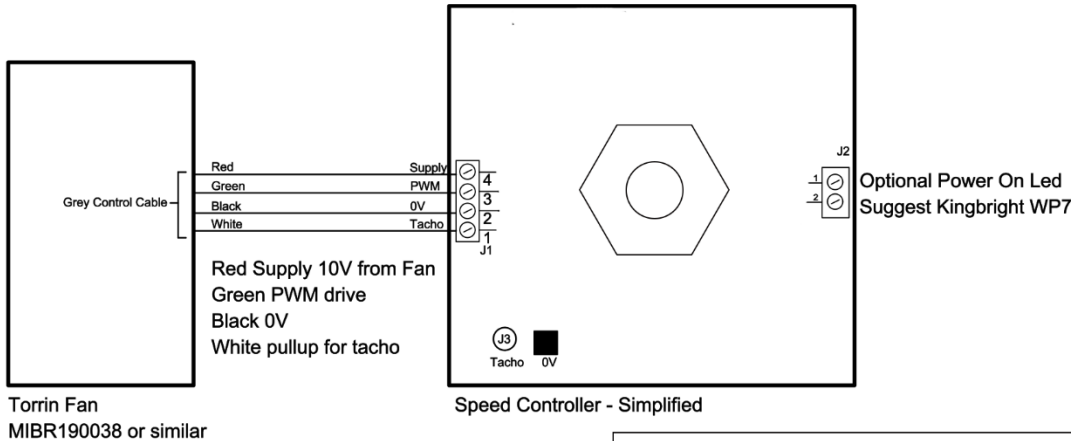
YOU MUST READ THIS BEFORE INSTALLATION

 ELECTRICAL SAFETY	 INSTALLATION REQUIREMENTS	 USER RESTRICTIONS	 USAGE ENVIRONMENT	 HOT SURFACE WARNING
WARNING: RISK OF ELECTRIC SHOCK Always consult the Installation & Maintenance Instructions before connecting this product to the power supply. WARNING: Disconnect Power Before Servicing Ensure the electrical supply is safely disconnected before connecting to any supply, load, or control terminals.	WARNING: Installation by Qualified Personnel Only This product must only be installed or fitted by a competent, qualified installer familiar with the relevant electrical standards and installation practices.	WARNING: Not for Use by Vulnerable Individuals This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or instructed by a person responsible for their safety.	WARNING: Industrial Use Only This is an industrial-grade product and is not intended for household use.	WARNING: Hot Surfaces On certain models, surfaces marked with this symbol become hot during use. Avoid direct contact and follow all thermal safety precautions.

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INSTALATION WIRING DIAGRAM



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