

X10693

Fan Speed Controllers

VAC2-3/RFI

Up to 3A, 230v

Single Phase Fan Controller



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KEY FEATURES:

- ✓ Infinitely variable 0-98% output.
- ✓ Adjustable Minimum Set Speed.
- ✓ Rugged, compact design with single-hole fixing.
- ✓ Large Triac for reliable inrush protection.
- ✓ Integral RC Snubber for inductive load control.
- ✓ Built-in EMC filtering for compliance with current standards.

The **VAC2-3/RFI** is a compact, high-performance single-phase fan controller, designed to regulate up to 3A of inductive loads such as induction motors, fans, and pumps. Operating at 230V, this open-construction variable phase angle regulator provides fully adjustable voltage outputs from zero to maximum, ensuring precise control for various applications.

Engineered with an integral RC Snubber network, the VAC2-3/RFI excels at managing inductive loads, preventing issues like voltage spikes. The controller also features a multi-turn cermet Minimum Set Speed adjuster, allowing designers and installers to set a minimum output voltage, thereby preventing motors from running too slowly.

To meet current EMC standards for emissions, the controller includes an integral choke/capacitor RFI circuit. Its large Triac is built to handle high inrush currents, offering a robust safety margin for industrial installations. For added convenience, an adhesive-backed silver label and hairline knob are available as optional extras for front panel mounting.

This versatile and durable fan controller is perfect for industrial and commercial settings where precise, reliable control of single-phase motors and fans is essential.

APPLICATIONS:

- Ideal for simple mains-driven motors and fans.

TECHNICAL SPECIFICATIONS

Maximum RMS on-state current	3A
Minimum operating current	100mA
Peak one cycle surge @ 10mS	150A
I²t for fusing	100 A ² s
Isolation voltage	2500V rms
Maximum recommended unit temperature	70°C
Mains supply +/-10% @ 50/60Hz	230V ac
Output Range	0-98%
Minimum Set Speed Range	0-98%



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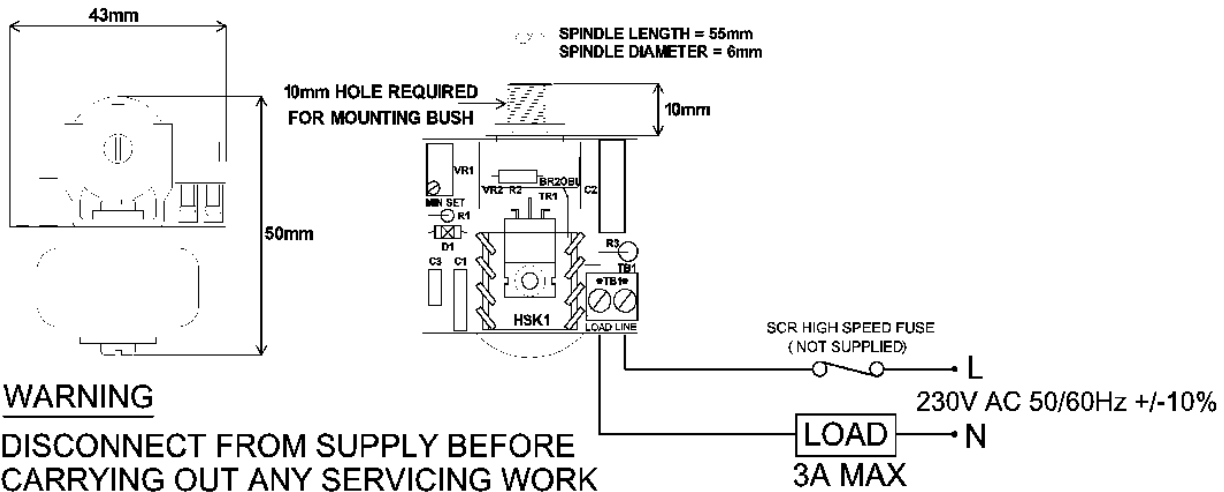
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INSTALLATION

DIMENSIONS & CONNECTIONS



RECOMMENDATIONS

FUSING

It is recommended to use semiconductor (fast acting) type fuses or circuit breakers (Semiconductor - MCB) for unit protection. On initial 'switch on' some loads may need an increased Factor of Safety (F of S) for unit and/or device protection. (See the SRA Datasheet for further information).

DOCUMENTS

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

Code	Identity	Description
X10229	RFI	Filtering Recommendations: Addressing the EMC Directive
X10213	ITA	Interaction: Uses for phase angle and for burst fire control
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
A72290	VAC2-3/RFI 3A, 230v Fan control with RFI



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