

VAC2-1/RFI

Up to 1A, 230v
Single Phase Fan Controller

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KEY FEATURES:

- ✓ **Infinitely Variable Output:** Adjusts voltage output from 0-98% for precise control.
- ✓ **Minimum Set Speed Adjuster:** Multi-turn cermet allows you to set a minimum output voltage, preventing motors from running too slowly.
- ✓ **Single Hole Fixing:** Easy installation with a single mounting hole.
- ✓ **Rugged and Compact Design:** Built for durability in industrial environments.
- ✓ **Inrush Protection:** Large triac provides ample safety margin during high inrush currents.
- ✓ **Integral RC Snubber:** Ensures smooth operation by controlling inductive loads.
- ✓ **EMC Compliance:** Built-in choke/capacitor RFI circuit meets current EMC standards for emissions.

The **VAC2-1/RFI Single Phase Fan Controller** is a compact, variable phase angle regulator designed for precise control of single-phase mains-driven inductive loads such as induction motors, fans, and pumps. Operating at 230V, this controller provides fully adjustable voltage output from zero to maximum, ensuring optimal performance for your applications. With its robust construction, the VAC2-1/RFI is built to handle high inrush currents, making it ideal for demanding industrial environments.

The **VAC2-1/RFI Single Phase Fan Controller** is the perfect solution for precise and reliable control of single-phase inductive loads, ensuring smooth operation and extending the lifespan of your equipment.

TECHNICAL SPECIFICATIONS

Maximum RMS on-state current	1A
Minimum operating current	100mA
Peak one cycle surge @ 10mS	80A
I ² t for fusing	36 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%

APPLICATIONS:

The VAC2-1/RFI is suitable for controlling most simple mains-driven motors and fans, making it an essential component in HVAC systems, ventilation setups, and other motor-driven applications.



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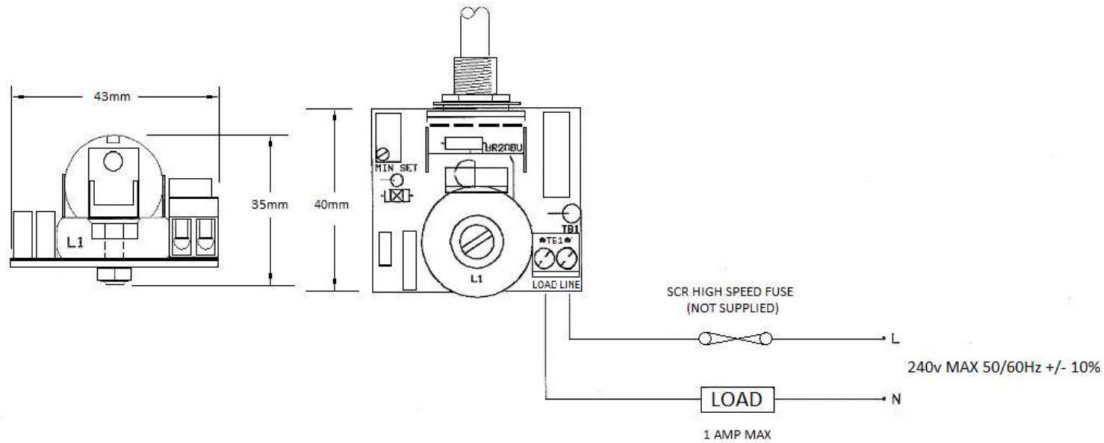
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INSTALLATION

DIMENSIONS & CONNECTIONS



WARNING

DISCONNECT FROM SUPPLY BEFORE CARRYING OUT ANY SERVICING WORK

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
A72102	VAC2-1/RFI 1A, 230v Fan control with RFI
A72105	VAC2-1/RFI High Surge, 1A, 230v Fan control with RFI



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