



Varistor Instructions - for use with RCM1

Regenerated Voltage

Please install voltage clipper if these conditions apply to your application



Warning

The motor driver board may become damaged due to regenerated voltage when the motor is operated under the conditions below.

!Rotating the motor shaft above 400 rpm when the motor is not powered. Please power the motor and use the motor free setting if manual rotation is required.

!Operation under heavy loads or during rapid deceleration/acceleration.

Supplied Varistor Specifications

Maximum Applied Voltage	Continuous	15Vrms
	AC	
	5 Minutes	29V
Maximum Energy(20ms)		40J
Maximum Clamping Voltage		25A
		53V
Varistor Voltage range at V1mA		27 (24 - 30V)
Clip Voltage		35 - 36V
Operating temp.		-40 °C to +85 °C

How to use Varistor

The motor driver board can become damaged due to regenerated voltage when the motor is operated under heavy loads during rapid deceleration/acceleration, or when rotated in a power off state.

1. Connect one of the pins to a positive terminal and other to a negative terminal on the 24v supply
2. Operate the motor in a condition close to an application that the motor will be used in. Check the varistor's temperature. If it is heated over 40°C you may require a larger varistor or a voltage clipper.

