

**APPLICATION NOTE**  
**SHARING INTELLIGENT SOLUTIONS**

**KEY WORDS:**

<b>Title:</b>	Use of C-Bus 4 Channel Change Over Relay With Motors
<b>Products Applicable:</b>	L5504RVFC, L5504RVFCP

It has been reported that some L5504RVFC or L5504RVFCP C-Bus changeover relay units have sustained damage (for example, relay contacts welding) when used to control some third party inductive motors.

It is recommended that when using C-Bus Changeover Relay Units to control inductive motors, installers consider connecting a mains rated 470nF capacitor across the motor terminals as shown below.

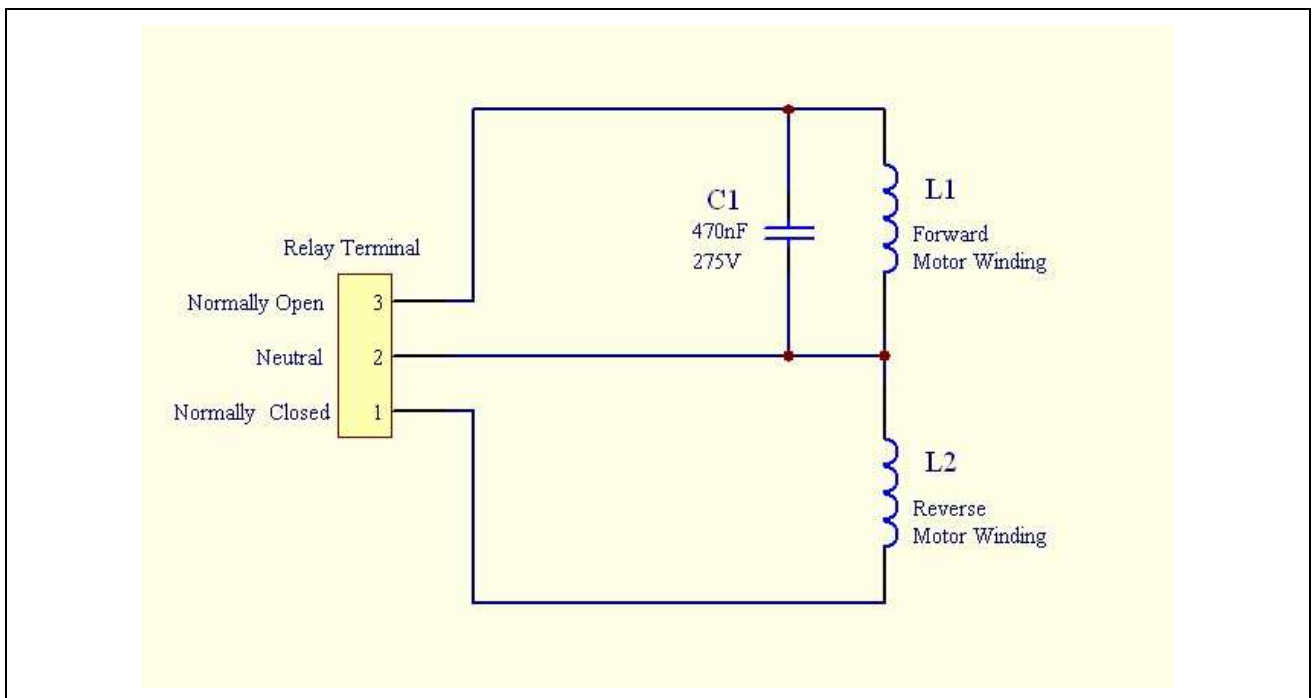


Figure 1: Wiring Diagram.

The capacitor C1 can be fitted across either L1 (forward motor winding to neutral) or L2 (reverse motor winding to neutral), but NOT TO BOTH.

## **Technical Support and Troubleshooting**

For technical assistance call: 1300 722 247 (Australia)  
0800 888 219 (New Zealand)

Worldwide contacts: <http://www.clipsal.com/locations/>  
Information and resources: <http://www.clipsal.com/cis/>

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