



## APPLICATION NOTE

### Ampcontrol ECM2 relay Noise suppression June 2013

This application note addresses steps that can be taken by the end user of the ECM2 relay to reduce effects of unwanted noise on the input leads to the relay.

Large noise spikes (>1000 Volts) can enter the relay via any of the relay input leads. With careful wiring of the relay's inputs most sources of input noise can be eliminated. The Pilot lead is the most likely path for unwanted noise to enter the relay.

Unwanted and unexpected noise can cause the relay to reset or even latch (power cycling may be required to rest the relay).

This application note explains how to fit a clamp on choke that will eliminate or reduce the effects of high frequency noise on the pilot circuit.

Customers are advised to regularly check the operation of the ECM2 relay. This should include a simulated O/C check as well as a visual inspection of the relay.

