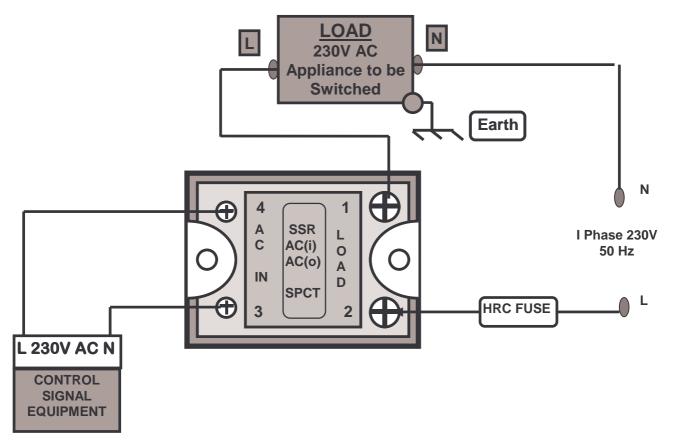
SPCTPL

**Application Note** 

# **APP011**

### A. Connection Diagram of SSR AC 230 Control / 230V AC N.O.



# SSR or Solid State Relay or Electronic Relay .

This is a Thyristor Based Normally Open 230V Switch that can be turned on / off at a fast rate. This switches at Zero Crossover .Built In Snubber reduces EMI and protects the SSR. <u>USE SAME PHASE FOR I/P & O/P.</u>

- a. No moving parts hence no wear and tear.
- b. Dissipates Heat when in On Condition.
- c. Use adequate Heat Sink or SSR will fail. (10g / Amp)
- d. Dissipation is 1.5 Watts per Amp thru Load.
- d. Input to Output is optically isolated 2kV.
- e. This one is AC 230V Control AC 230V N.O. Output.
- f. Off state snubber Leakage is around 5 mA.

**N** The Termination's of High Current Lines going to Load must be very tight and crimped. Loose contacts will Spark and cause Fire.

#### FUSE RATING OF HRC FUSE

High Rupture Capacity (HRC) Fuse is Safe and Reliable. 5kW Heater at 230V is 5,000 / 230 in Amps of Fuse Rating.

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## Engineering

Application Note Given is for enhancing engineers information and is not a tested or working idea. The Correctness of above is not implied by our Company or Engineers.