

CG APPLICATIONS

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Application Note : April 2010

Market involved : HVAC

Product : RGS1A60D50KKE

Customer : ---

Subject : Switching of ambient heaters

CUSTOMER ISSUE :

Baseboard or ceiling heaters switch on and off according to temperature feedback. However with every switching cycle, mechanical contactors emit an irritating clicking sound.

Space is very limited in the panel as it must be very small to fit in confined spaces.

OUR SOLUTION:

There are no moving parts and no contacts in the RG design.

The power semiconductors switch on and off according to the logic signal received from the temperature controller.

In contrast with conventional SSRs, RG can switch up to 20AAC continuously in a width of only 17.5mm.

ACHIEVED BENEFITS:

- Reduction of panel space making it easier for fitting and also retrofitting of SSR.
- Silent operation.

