The model 1021A is a single-phase, zero-cross SCR power controller that controls the electrical power applied to a single phase load by fast cycling, distributive zero-cross operation of a pair of SCR's. The power applied to the load is linear with respect to the command signal. Available command signals include 0/5Vdc, 0/10Vdc, or potentiometer. The model 1021A is available with current ratings from 10 to 70 amps and voltage ratings from 120 to 575Vac.

The model 1021A is a compact and economical power control solution for industrial applications that require high reliability and long life. The fast solid state switching of the model 1021A provides superior performance over relays, contactors and other slower cycling controllers by reducing temperature variations associated with the longer ON/OFF cycles of those devices. The result is a more precise control of the heating process and extended heater life. Zero-cross control generates minimal RFI noise, virtually eliminating the possibility of interference with other electronic equipment. Line voltage compensation greatly reduces load power variations that result from line voltage changes. This feature provides a more constant load power independent of line voltage variations.
Control Concepts, Inc. has the expertise to meet your specific industrial power control needs with a full range of standard and custom SCR power controllers and signal conditioners. All Control Concepts products are covered by a limited two year warranty.

Call us for more information and assistance.

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