

OEM Power Control Module

Compact, Self-Contained
3 Φ Power Control

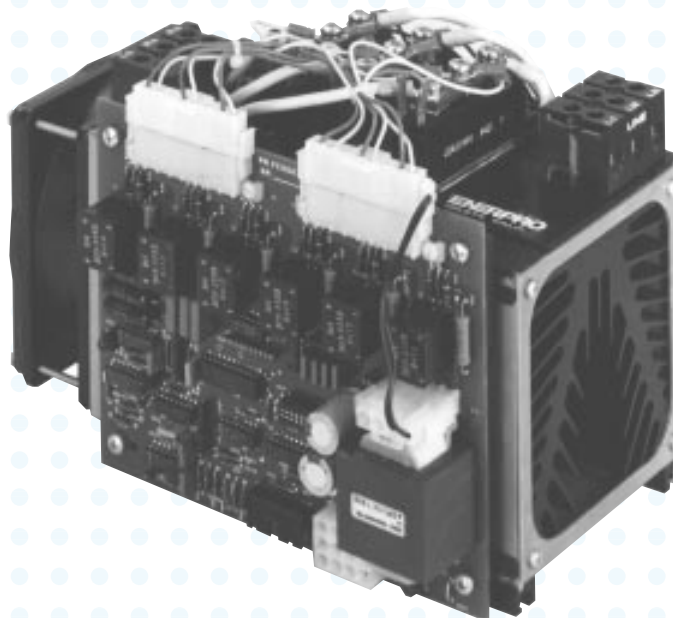
Ideal for Power Supplies,
Variable Speed Drives and
Solid State Motor Starters

50 to 600Vac Input Voltage

AC Output Ratings from
25A to 200A

DC Output Ratings from
30A to 300A

Industry Standard
ENERPRO Firing Circuit



The Model PCM-3 Power Control Module is the complete, convenient, cost-effective solution to your OEM power supply, variable-speed drive and solid-state motor starter design requirements. The compact PCM-3 combines isolated-base dual SCRs, high-efficiency heat sinks and forced-air cooling, RC-MOV transient snubber and SCR firing circuitry in a fully tested package that's ready to bolt in.

At the heart of the PCM-3 Power Control Module is the classic Enerpro FCOG6100 SCR firing board — the field-proven, high reliability industry standard for more than a decade. The firing circuit's phase-locked loop digital gate delay circuit forms a set of phase-balanced, 60°-spaced, high current gate pulses in response to a 0-5 Vdc or 4-20 mAdc control input. A firing circuit programming plug provides for selection of 0° or 30° phase reference.

Control is insensitive to phase sequence or line voltage variations. The FCOG6100 employs a custom, digital LSI device for reduced component count and improved reliability.

The PCM-3 utilizes Enerpro-standard isolated-base dual SCR modules, covering the full range of rated outputs. Cooling extrusions are offered in 200mm, 300mm and 457mm lengths and may be configured with up to two cooling fans.

Convenient connectors are provided for all external operating voltage and control signals. In addition, provision is made for mounting a regulator board on stand-offs above the SCR firing board. (A complete selection of Enerpro regulator boards is available to further speed the design and enhance the performance of your system.)

Enerpro engineers are ready to assist you in your design. Call us today.

