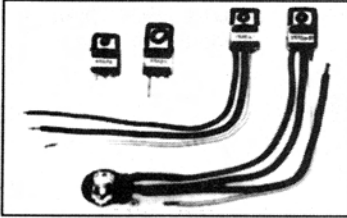


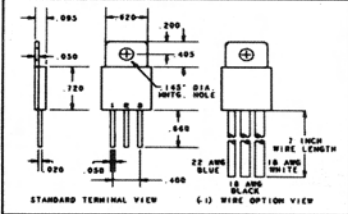
AC Phase Controls

OMNEPHASE CONTROLS



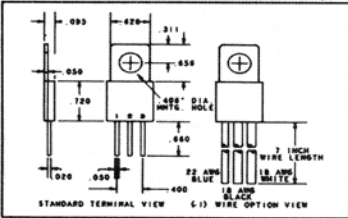
"A" Style

"A1" Style

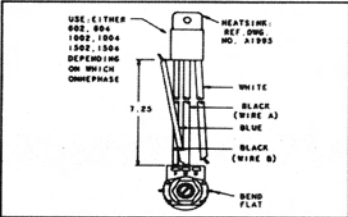


"B" Style

"B1" Style



"A1-P" Style



OMNEPHASE controls provide full-wave AC phase control in a unique, high-power package. Capable of regulating up to 3.6 KW @ 240 VAC, 6, 10 and 15 amp power ratings are available. For greater mounting flexibility, Omnephase feature three standard terminations: metal leads, 7" wire leads and a labor-saving wire and potentiometer set-up. Designed for high performance and longevity, the active components of the Omnephase are hermetically sealed by a void-free passivation process for added environmental protection. Omnephase controls have exhibited superior performance in a wide variety of applications.

FEATURES

- Thick film technology.
- Simple 3 terminal hook-up.
- Twin timing capacitors for Low Hysteresis effect.
- Compact in size.
- Heat sink or potentiometer mounting.
- Epoxy-encapsulated circuitry
- High-performance, Low-cost.

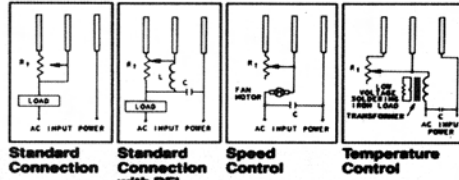
SPECIFICATIONS

- Electrical**
- Low hysteresis effect
 - Full wave control
- Input**
- 120 or 240 VAC RMS
 - Frequency: 50/60 cycles
- Output**
- Triac output: full wave AC
 - Rating Max: 6, 10 and 15 amps
 - Min: 40 milliamps
 - Max power capacity to 3.6 KW
 - Hysteresis: 15% typical
 - Forward Voltage Drop: 1.5 volts
 - Leakage Current: 1.5 milliamperes
 - Off State Voltage: 400 volts maximum
 - Peak Surge on State Current: 10 times rated current for 1 cycle at 60 Hertz
- Protection**
- Dielectric Insulation: lead to tab—1500 volts RMS
- Physical**
- Mounting:
 - "A" Style—9/64" hole for #6 screw
 - "B" Style—13/32" hole for potentiometer
 - Termination—three 19/32" leads
 - 7" wire leads
 - Weight: 10 grams
- Environmental**
- Operating temperature: measured at the triac:
 - 40°C to + 95°C maximum
 - Storage Temperature: 40°C to + 125°C maximum
 - Humidity: 95% relative

OMNEPHASE APPLICATIONS

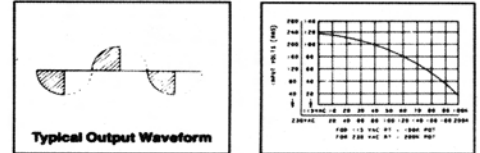
- SPEED CONTROL for fans, power tools, blenders, heat guns, conveyor drives, hair dryers, mixers, Bio-medical equipment and universal, induction and subfractional H.P. motors.
- TEMPERATURE CONTROL for soldering irons, soldering pots, molding machines, heating equipment, vending machines and photographic development equipment.
- SHUNT FEEDBACK CONTROL system.
- DIMMER CONTROL for incandescent lamps.
- HEATER ELEMENT CONTROL.

CONNECTION DIAGRAMS

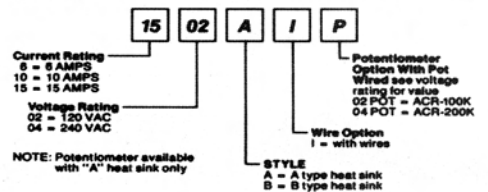


Note: All Omnephase should be mounted to a thermally conductive surface for maximum heat dissipation. It is recommended a heat sink compound such as Dow Corning #340 be used between the control and the mounting surface.

TYPICAL OUTPUT V/S EXTERNAL POTENTIOMETER

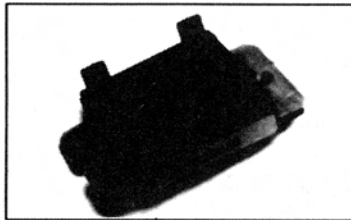


OMNEPHASE PRODUCT NUMBERING



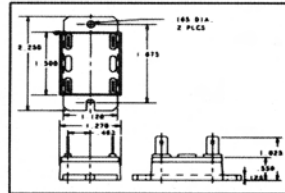
NOTE: Potentiometer available with "A" heat sink only

HIGH POWER AC PHASE CONTROL

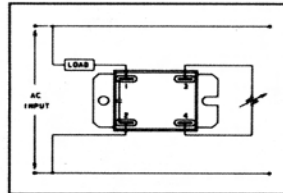


SERIES PHS

DIMENSION DRAWING



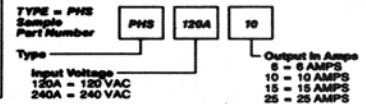
CONNECTION DIAGRAM



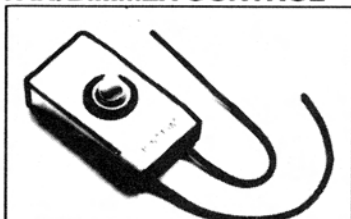
FEATURES

- 25 amp power rating
- 120 or 240 VAC operation
- Solid State reliability
- Rugged and compact
- Epoxy-encapsulated for added protection

ORDERING INFORMATION

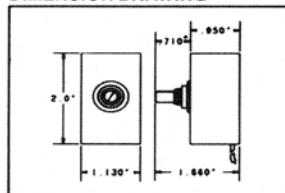


FAN/DIMMER CONTROL

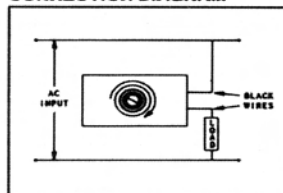


SERIES PUS

DIMENSION DRAWING



CONNECTION DIAGRAM



FEATURES

- 6 amp power rating
- 120 VAC operation
- Solid State reliability
- Fan/Dimmer control
- Features ON/OFF switch
- Built-in RFI protection

ORDERING INFORMATION

