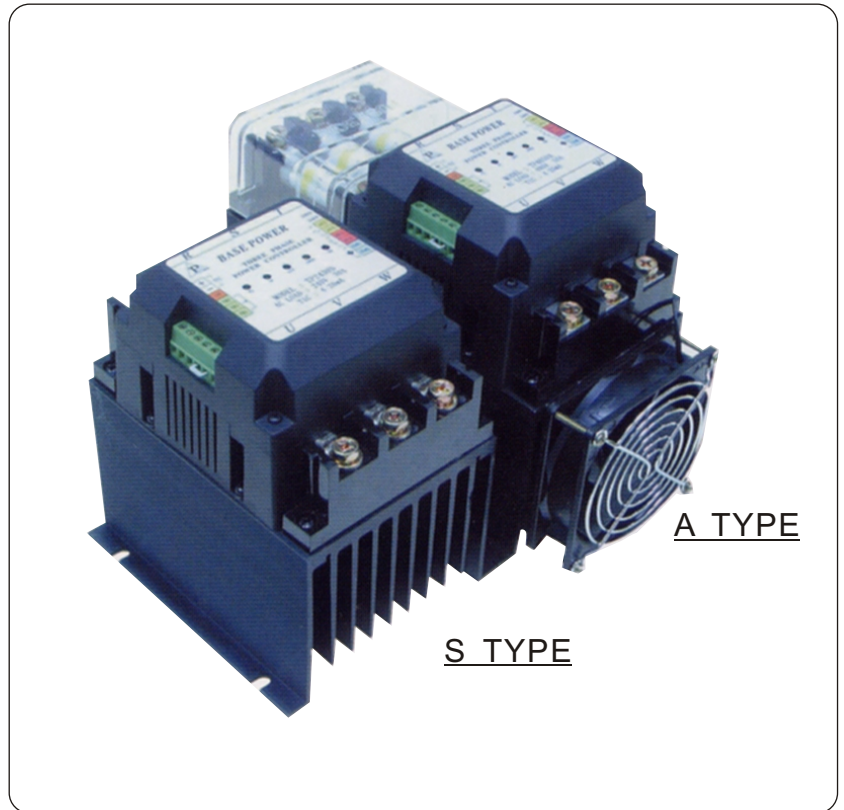


Heater SCR

Three Phase SCR Power Controllers Phase-Angle Fired (Resistive Loads Only)

- Extends Heater Life- Eliminates Thermal Shock
- Optically Isolated
- Capacity up to 150 Amps
- Diagnostic Indicators
- Self-Synchronizing to Line Frequency
- Isolated Heat Sinks
- Compact Design
- Full Protection Against Line Voltage Spikes



SPECIFICATIONS

Supply Voltage: 100 to 480 Vac

Frequency: 50-60 Hz

Current Rating: 20... 100 and 150 A

Control Signal Isolation: 2500 Vac

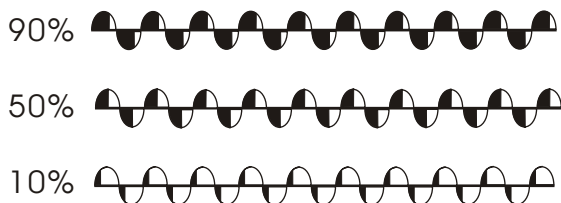
Transient Voltage Protection: MOV and RC suppression

Ambient Temperature Range: 32° to 122°F (0° to 50°C) for listed current rating

Load: 3 phase, 3 lines controlled

Diagnostic Indicators: Shorted or open SCR reversed Signal Input (mA/V)

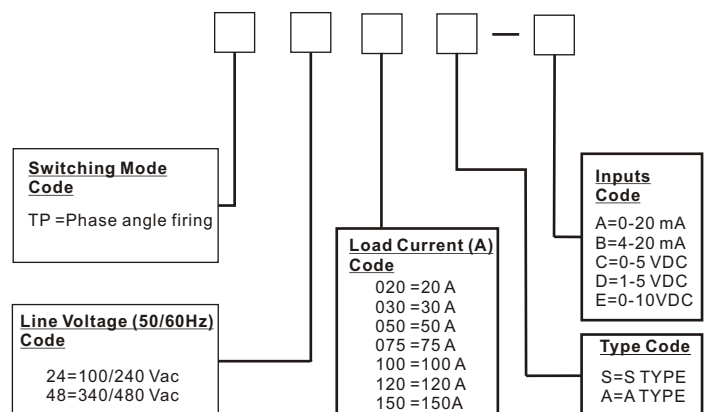
TP Type Phase Angle:



PHASE ANGLE FIRED CONTROLLERS

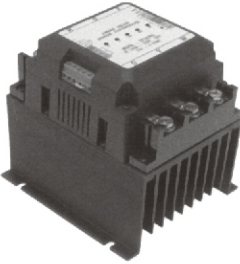
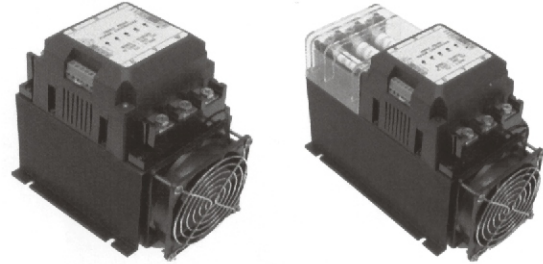
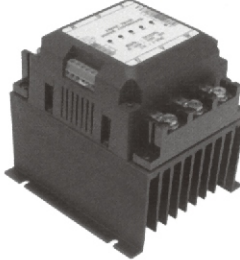
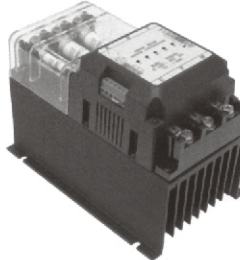
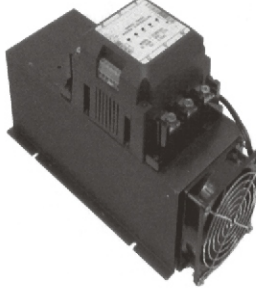
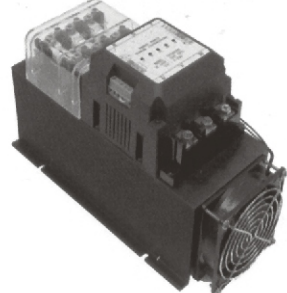
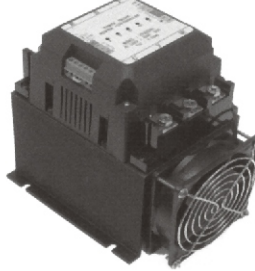

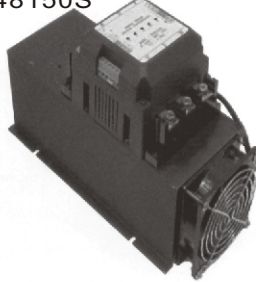
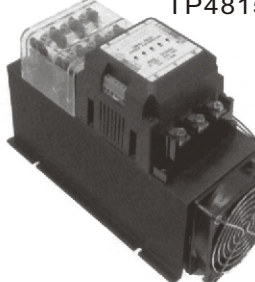
The TP phase angle fired controllers turn each SCR on for a controlled portion of a half-cycle of the line voltage. The effective load voltage is determined by the portion of the line voltage delivered which is proportional to the input control signal. Additionally, the voltage is regulated as the line voltage changes.

Ordering Information:

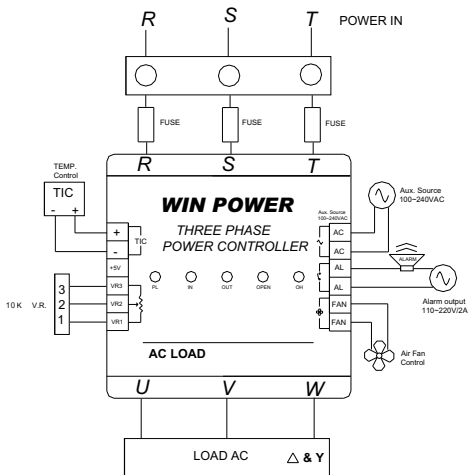


SERIES TP POWER CONTROLLERS

TP Type (LXWXH)mm

<p>TP2420S TP4820S</p> <p>20A</p>  <p>143X128X170mm(1600g)</p>	<p>TP2475S TP4875S</p> <p>75A</p>  <p>173X128X170mm(2200g) 250X140X194mm(3500g)</p>
<p>TP2430S TP4830S</p> <p>30A</p>  <p>143X128X170mm(1700g)</p> <p>TP2430A TP4830A</p>  <p>206X128X170mm(2200g)</p>	<p>TP24100S TP48100S</p> <p>100A</p>  <p>290X128X170mm(3400g)</p> <p>TP24100A TP48100A</p>  <p>250X143X194mm(3500g)</p>
<p>TP2450S TP4850S</p> <p>50A</p>  <p>173X128X170mm(2200g)</p> <p>TP2450A TP4850A</p>  <p>236X128X170mm(2900g)</p>	<p>TP24120S TP48120S TP24150S TP48150S</p> <p>120A 150A</p>  <p>290X128X170mm(3400g)</p> <p>TP24120A TP48120A TP24150A TP48150A</p>  <p>305X140X194mm(4000g)</p>

Terminal Connection:



The max output limit of outer up/down switch:

