

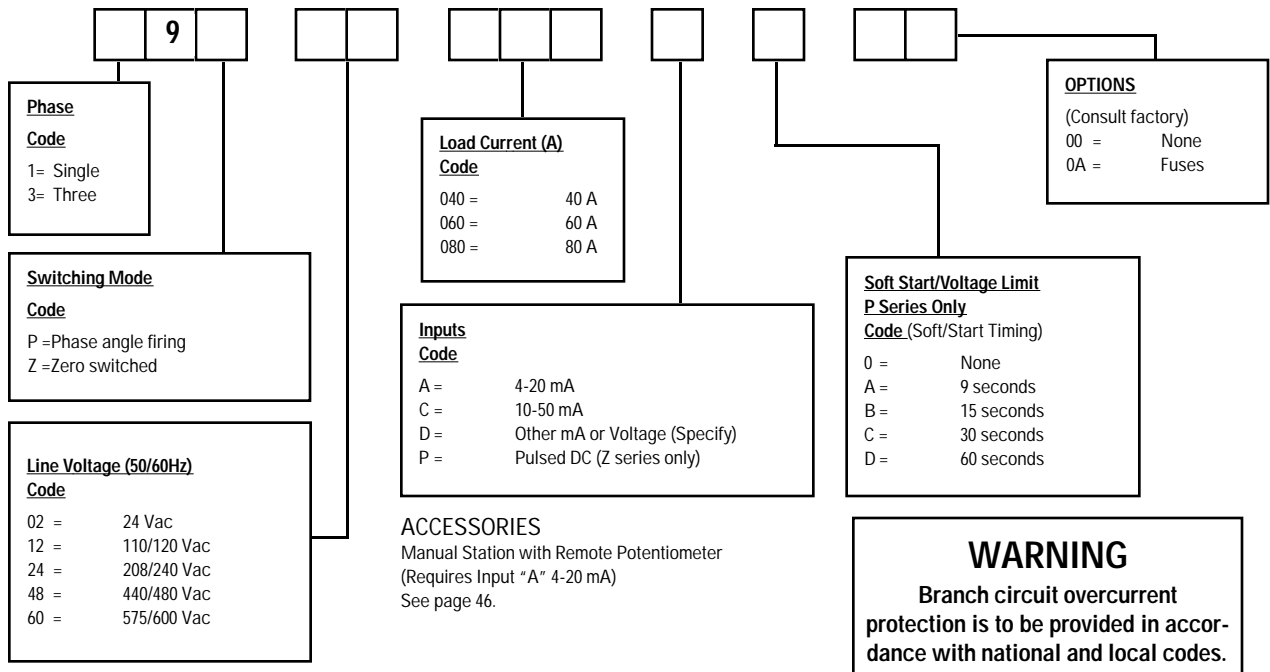
SCR Power Controllers Zero-Switched or Phase-Angle Fired

(Resistive Loads Only)

- Extends Heater Life- Eliminates Thermal Shock
- Optically Isolated
- Capacity up to 80 Amps
- Diagnostic Indicators
- Self-Synchronizing to Line Frequency
- Isolated Heat Sinks
- Compact Design
- Full Protection Against Line Voltage Spikes



Ordering Information



SPECIFICATIONS

Supply Voltage:	24 to 600 Vac
Frequency:	50-60 Hz
Current Rating:	40, 60 and 80 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:	Resistive. 3-phase- 3 wire Delta or Ungrounded Wye 19Z/19P-1 phase,1 line control 39Z-3 phase, 2 lines controlled 39P-3 phase, 3 lines controlled
Diagnostic Indicators:	Shorted or open SCR reversed signal input (mA/V)

ZERO VOLTAGE SWITCHED CONTROLLERS

The 19Z and 39Z SCR controllers are zero crossover fired, high-power solid state switching devices. Zero firing eliminates the RFI generation associated with mechanical relays. With zero voltage firing, the output appears as bursts of full sine waves of line voltage which provides excellent regulation to the load.

PHASE ANGLE FIRED CONTROLLERS

The 19P and 39P 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.

DIMENSIONS

MODEL #	Height	Width	Depth
19Z	7.0"	4.75"	4.0"
19P	7.0"	4.75"	4.0"
39Z	7.0"	9.62"	4.0"
39P	7.0"	14.37"	4.0"

NOTES: = IF FUSES ARE ADDED TO UNIT, ADD 3 1/4". OVERALL DEPTH IS 4".