Ametek HDR Power Systems

POWER CONTROLS

The PF1 SSR Series are single-phase, phase-fired SCR Power Controls designed to deliver maximum power control with all of the features normally found in much larger units. Utilizing only two frame sizes, these units are conservatively engineered for years of trouble free service while providing the benefits of precise, reliable control of for your electronic process.

The PF1 SSR Series accepts all standard voltage and current command signals or remote potentiometer input. Standard operating voltages are 120, 240, 400, 480 & 575 Vac, 50/60Hz. Other voltages are available. Solidstate Relay type controllers are not recommended for driving transformers.

Multi-turn Zero and span adjustments are provided for matching the SCR power control to the command signal. The command signal indicator's (green) brilliance is proportional to the output voltage.

15-70 Amperes Single-phase Phase-fired



- 5 year "No Hassle" warranty
- Electrically Isolated Heatsink
- Conservative Thermal Design
- Compact size
- Voltage Squared Linearity
- Line voltage compensation
- Transient voltage Protection (MOV)
- Soft Start
- Command Signal Indicator
- Multi-Turn Zero & Span Adjustments
- UL, cUL Listed, CE Compliant

Applications:

Primarily used to control dynamic resistive loads.

- High temperature furnaces
- Large ovens, kilns, heaters
- IR Heating



100kA SCCR







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SPECIFICATIONS:

Control Method: Phase-firing of back-to-back SCRs

Voltage Rating: 120, 240, 400, 480, 575 Vac

Line Frequency: 50 / 60 Hz

Current Ratings: 15, 25, 40, 70 Amperes

Command Signal: Most standard process signals

Adjustments: Zero and Span, multi-turn

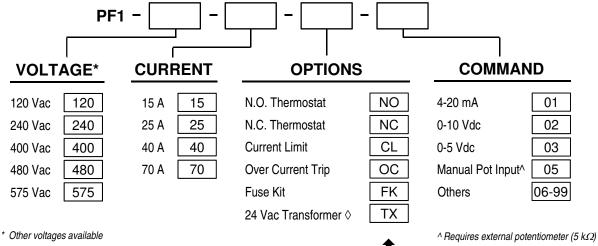
Isolation: 2500 volts rms from power circuit to ground

Ambient Temperature: Operating: 0 °C to 50 °C

Relative humidity: 0 to 95% (non-condensing)

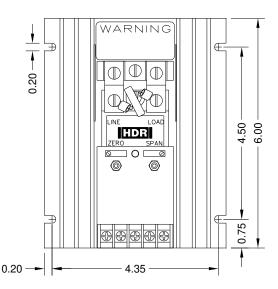
HOW TO ORDER:

Make a selection from each of the tables below. Place the selection in the corresponding boxes to build your model.



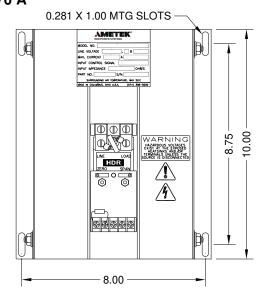
OUTLINES:

15 thru 40 A



Depth: 3.01 in Weight: 1.2 lbs

70 A



Depth: 3.01 in Weight: 3 lbs

Multiple options may be selected

[♦] Required