MODEL PF1 SERIES
Power Controls
Single-Phase Phase-Fired Models
Rated 15 - 70 Amperes

The PF1 Series are single-phase, phase-fired Solidstate Relay (SSR) Power Controls designed to deliver maximum power control with the reliability 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 for your electrical process.

The PF1 Series accepts all standard voltage and current command signals or a remote potentiometer input. Standard operating voltages are 120, 240, 400, 480 & 575 Vac, 50/60 Hz. 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 input command signal.

Applications:
Primarily used to control dynamic resistive loads.

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

ISE, Inc. - 10100 Royalton Rd. - Cleveland, OH 44133 USA - Tel: (440) 237-3200 - Fax (440) 237-1744 - http://iseinc.com
**SPECIFICATIONS:**

- **Control Method:** Phase-firing of back-to-back SSRs
- **Voltage Rating:** 120, 240, 400, 480, 575 Vac, 50/60 Hz
- **Current Ratings:** 15, 25, 40, 70 Amperes
- **Command Signal:** Most standard process signals
- **Isolation:** 2500 volts rms from power circuit to command signal and to ground

**HOW TO ORDER:**

Make one selection from each of the tables shown. Place the selections in the corresponding boxes to build your model number.

1. **VOLTAGE TABLE**
   - 120 Vac 120
   - 240 Vac 240
   - 400 Vac 400
   - 480 Vac 480
   - 575 Vac 575

2. **CURRENT TABLE**
   - 15 Amps 15
   - 25 Amps 25
   - 40 Amps 40
   - 70 Amps 70

3. **OPTION TABLE**
   - N.O. Thermostat NO
   - N.C. Thermostat NC
   - Current Limit CL
   - Over Current Trip OC
   - Fuse Kit FK
   - 24 Vac Transformer TX

4. **COMMAND SIGNAL TABLE**
   - 4-20 mA (Self Powered) 01
   - 0-10 VDC 02
   - 0-5 VDC 03
   - *Manual Pot Input 05
   - Others 06-99

*Other voltages available

**DIMENSIONS:**

- 15 thru 40A
- 70A

Specifications subject to change without notice