

SCZF1 SSR SERIES

POWER CONTROLS

The SCZF1 SSR Series are single-phase, zero-fired SSR (Solid-state Relay) Power Controls designed for the exacting needs of the ceramic and semiconductor industries as well as standard heating applications.

By combining European 'Touchsafe' design with the optional load failure alarm, the SCZF1 serves as the perfect choice for lower current applications.

Optional Load Failure (LF) alarm includes non-isolated 0-5 Vdc signals proportional to the output voltage and current.

Control Power On (red) and Command Signal indicator are provided to help trouble shooting. Inclusion of a control transformer and I²T fuse sets it apart from most SSR type power controllers.

Applications:

Primarily used to control static resistive or non-inductive loads.

- Ceramics
- Semiconductors
- Resistive heating

**15-65 Amperes
Single-phase
Zero-fired**



- 5 year "No Hassle" warranty
- Electrically Isolated Heatsink
- Compact Size
- Conservative Thermal Design
- Voltage Squared Linearity
- Line voltage compensation
- Transient voltage Protection
- Diagnostic Indicators
- "Touchsafe" Chassis
- Multi-Turn Zero & Span Adjustments
- Accepts all Standard Command Signals
- UL, cUL Listed, CE Compliant



**100kA
SCCR**



**ISO
9001
QUALITY
ASSURANCE**

AMETEK®
HDR POWER SYSTEMS

530 Lakeview Plaza Blvd Ste C
Worthington, Ohio 43085
Toll Free: 1-888-PWR-CNTR (797-2685)
Phone: 614-308-5500
Fax: 614-308-5506
www.hdrpower.com

SPECIFICATIONS:

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

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

Line Frequency: 50 / 60 Hz

Current Ratings: 15, 25, 40, 65 Amperes

Command Signal: Most standard process signals

Adjustments: Zero and Span, multi-turn

Linearity: Voltage Squared

Isolation: 2500 volts rms from power circuit to ground

Overtemp Protection: Heatsink thermostat provided on 90 A and higher models

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.

SCZF1 - - - -

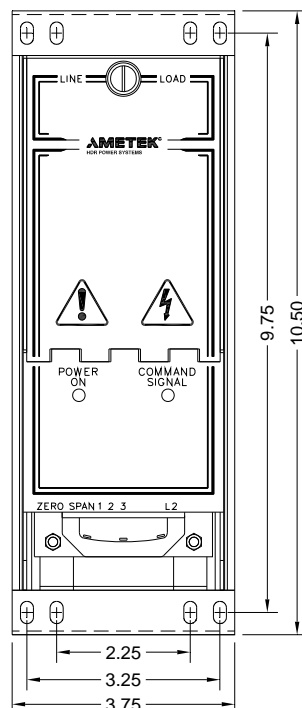
VOLTAGE*		CURRENT		OPTIONS		COMMAND	
120 Vac	<input type="text" value="120"/>	15 A	<input type="text" value="15"/>	N.O. Thermostat	<input type="text" value="NO"/>	4-20 mA(self powered)	<input type="text" value="01"/>
240 Vac	<input type="text" value="240"/>	25 A	<input type="text" value="25"/>	N.C. Thermostat	<input type="text" value="NC"/>	0-10 Vdc	<input type="text" value="02"/>
400 Vac	<input type="text" value="400"/>	40 A	<input type="text" value="40"/>	Load Failure Alarm	<input type="text" value="LF"/>	0-5 Vdc	<input type="text" value="03"/>
480 Vac	<input type="text" value="480"/>	65 A	<input type="text" value="65"/>			Manual Pot Input [^]	<input type="text" value="05"/>
575 Vac	<input type="text" value="575"/>					Others	<input type="text" value="06-99"/>

Multiple options may be selected

* Other voltages available

[^] Manual Pot requires external potentiometer (5 kΩ)

OUTLINES:



Weight: 6 lbs

