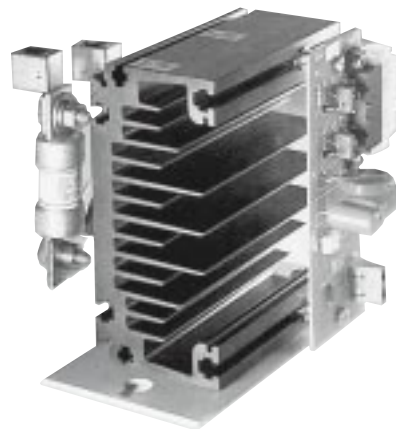


7750

Industrial Duty Single Phase Solid State Contactor



- ON/OFF Control
- Proportional Control
- Industrial Duty Zero-Crossover
- No RFI Generation
- Low Cost
- No External Power Required
- Compact Size & Construction
- MOV Protection by RC Snubber Network
- dV/dT Voltage Transient Protection
- I²T Fusing (Option)

Description

The 7750 Solid State Contactor provides the ideal solution to OEM heating applications by combining reliability with economy.

The solid state contactor is available in two ON/OFF control signal versions: 4-32 Vdc and 120 Vac or proportional action from a 4-20 mA input signal. The electronics develop power from the control signal; no additional power connections need be made to the control circuitry. Shock hazards are minimized by keeping the heatsink at ground potential completely isolated from the power source. The firing mode is true zero voltage crossover; state-of-the-art circuitry insures that the load is connected only when the line voltage crosses zero.

Applications

- Resistive/Heating
- Laboratory Baths
- Heating Mantels

- Flask Heaters
- Heating Tapes
- Reactors
- Hot Plates
- Extruders
- Environmental Chambers
- Electric Furnaces

Safety Features

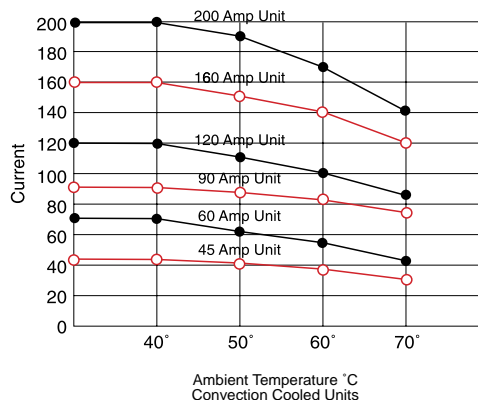
Personnel Safety

- Ground Potential Heat Sink
- SCR to Heat Sink Isolation

Equipment/Process Safety

- Input to Output Isolation (1500 Volts)
- Transient Overvoltage Protection
- I²T Fusing for SCR Protection

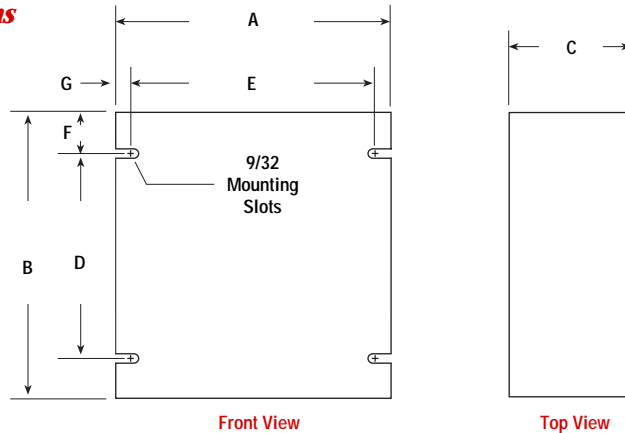
Derating Graph



7750

Industrial Duty Single Phase Solid State Contactor (cont'd.)

Dimensions



All Dimensions in Inches (mm)

Amps	A	B	C	D	E	F	G
45 & 60	7 (178)	4 (102)	5.5 (140)	2.50 (64)	6.37 (162)	.75 (19)	.31 (7.87)
90	8.5 (216)	4 (102)	8.5 (216)	2.50 (64)	7.87 (200)	.75 (19)	.31 (7.87)
120, 160	10 (254)	8.5 (216)	8.5 (216)	5.50 (140)	9.37 (238)	1.50 (38)	.31 (7.87)
200	10 (254)	12 (305)	8.5 (216)	7.5 (191)	9.37 (238)	2.25 (57)	.31 (7.87)
250-300*	10 (254)	8.5 (216)	8.5 (216)	5.50 (140)	9.37 (238)	1.50 (38)	.31 (7.87)
400*	10 (254)	12 (305)	8.5 (216)	7.5 (191)	9.37 (238)	2.25 (57)	.31 (7.87)

500 Amps and above consult factory for dimensions

* Fan cooled. Allow fan clearance below mounting plate, 4" for 250-400 Amps and 6" on 500 Amps and above.

Ordering Information

Complete the Model Number using the Matrix provided.

Model	SCR Power Pak
7750	Industrial Duty Single Phase Solid State Contactor
	Code Output Firing Mode
	2 ON/OFF Control
	3 Proportional Control
	Code Current (rated for continuous operation at 40°C)
	045 45 Amps
	060 60 Amps
	090 90 Amps
	120 120 Amps
	160 160 Amps
	200 200 Amps
	250 250 Amps (Fan Cooled)
	300 300 Amps (Fan Cooled)
	400 400 Amps (Fan Cooled)
	Code Voltage
	1 100-240 Vac ± 10%, 50/60 Hz
	2 277-480 Vac ± 10%, 50/60 Hz
	Code Input Signal
	01 4-32 Vdc (ON/OFF only)
	02 120 Vac (ON/OFF only)
	20 4-20 mAdc (Proportional only)
	Code Options
	0 None
	1 Fuse Supplied
7750 -	2 090 2 01 1 Typical Model Number