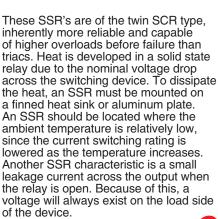


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apparatuses susceptible to RFI.

Solid State Relays



In comparing SSR's with mechanical contactors, the SSR has a cycle of many times that of a comparise priced contactor. However, S Re are more prone to failure due to verload and improper initial wiring. Solid state relays can fail, contact closed, on overload circuits.

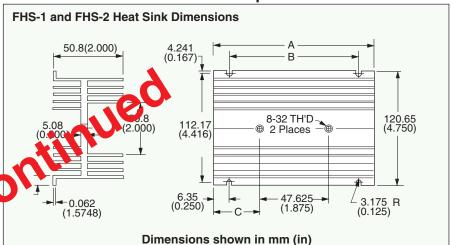
Finned heat sinks are anodized fabrications that come complete with tapped mounting holes and screws. See thermal rating curves and ordering instructions for proper selection.

SSR baseplate to heat sink thermal resistance is affected by use of a thermally conducting compound. OMEGATHERM® OT-201 placed between the heat sink and SSR baseplate will significantly improve the thermal conductivity. It is also suggested that 10-inch-pounds of torque be used on the SSR mounting screws.

SSR240 Series Electrical Specifications

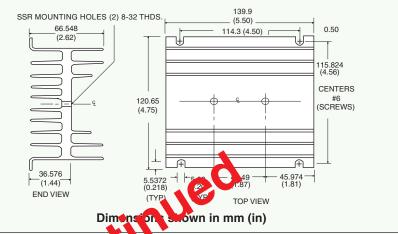
In u. Control Signal Input & Output Control Cont tol Control Signal Peak Repetitive Signal lign Signal Input -On Turn-Off Impedance Model No. Type Voltage Voltage Min. SSR240AC10 **SSR240AC25** ac SSR240AC45 Control 90 to 280 vac 90 Vac 10 Vac 40 k 500 V SSR240AC75 Signal **SSR240AC90** SSR240DC10 **SSR240DC25** dc 3 to 32 Vdc **SSR240DC45** Control 3 Vdc 1 Vdc 1 k 500 V SSR240DC75 Signal **SSR240DC90** SSR440AC50 ac SSR440AC75 Control 90 to 280 Vac 90 Vac 10 Vac 40 k 1200 V SSR440AC90 Signal SSR440DC50 dc SSR440DC75 1200 V Control 3 to 32 Vdc 3 Vdc 1 Vdc 1 k **SSR440DC90** Signal

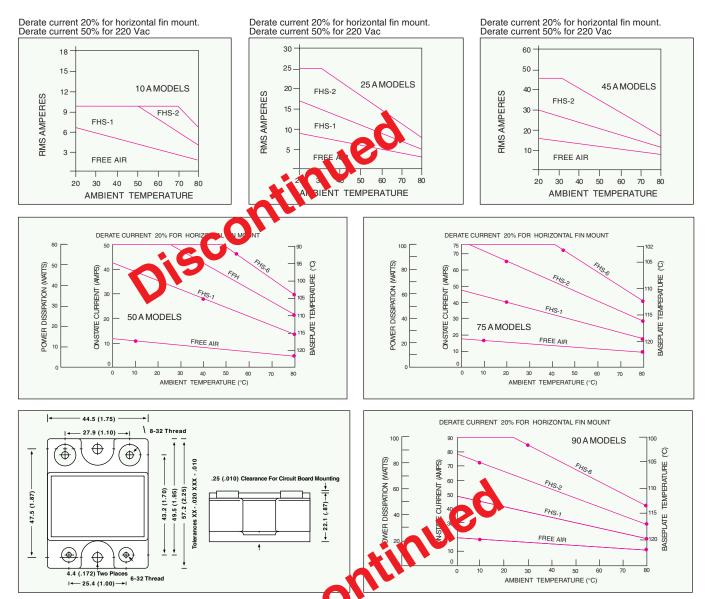
FHS Heat Sink Dimensions and Specifications



Model No.	Α	В	С	Thermal Rating
FHS-1	3.00"	2.50"	0.56"	2 °C/W
FHS-2	5.50"	5.00"	1.81"	1.2 °C/W

FHS-6 Heat Sink Dimensions





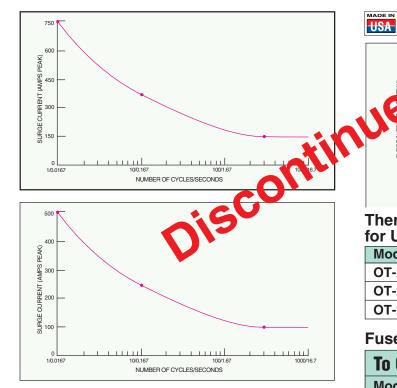
SSR240 Series Output-Vac Load Specifications

Model No.	Nominal ac Line Voltage	Nominal oac Current	Max. Contact Voltage Drop	Max. (25° 120 Vac	Off-State Le C max. ambi 240 Vac	akage ent) 440 Vac	Dissipation Watt/Amps
SSR240AC10 SSR240AC25 SSR240AC45 SSR240AC75 SSR240AC90	24 to 280 Vac	10 A 25 A 45 A 75 A 90 A	1.6 V	7.5 mA 7.5 mA 7.5 mA 7.5 mA 7.5 mA	15 mA 15 mA 15 mA 15 mA 15 mA	N/A	1.6 1.3 0.9 *
SSR240DC10 SSR240DC25 SSR240DC45 SSR240DC75 SSR240DC90	24 to 280 Vac	10 A 25 A 45 A 75 A 90 A	1.6 V	7.5 mA 7.5 mA 7.5 mA 7.5 mA 7.5 mA	15 mA 15 mA 15 mA 15 mA 15 mA	N/A	1.6 1.3 0.9 *
SSR440AC50 SSR440AC75 SSR440AC90	36 to 480 Vac	50 A 75 A 90 A	1.6 V	4 mA 4 mA 4 mA	8 mA 8 mA 8 mA	15 mA 15 mA 15 mA	* * *
SSR440DC50 SSR440DC75 SSR440DC90	36 to 480 Vac	50 A 75 A 90 A	1.6 V	4 mA 4 mA 4 mA	8 mA 8 mA 8 mA	15 mA 15 mA 15 mA	* * *

Transients of 1 min. max duration above table value should be suppressed.

*For base plate temperature and max. power dissipation, see figures above.

Solid State Relays



To Order (Specify Model Number)			
Model No.		ninal ting	
SSR240AC10 SSR240AC25 SSR240AC45 SSR240AC75 SSR240AC90	ac 2 Control Signal 4 (280 Vac line) 7	0 A 5 A 5 A 5 A 0 A	
SSR240DC10 SSR240DC25 SSR240DC45 SSR240DC75 SSR240DC90	dc 2 Control Signal 4 (280 Vac line) 7	0 A 5 A 5 A 5 A 0 A	
SSR440AC50 SSR440AC75 SSR440AC90	Control Signal 7	0 A 5 A 0 A	
SSR440DC50 SSR440DC75 SSR440DC90	Control Signal 7	5 A 5 A	
FHS-1 FHS-2 FHS-6	Heat Sink	°C/W °C/W °C/W	

Shunt Resistors

To Order (Specify Model No.)			
Model No.	Value		
SSRR20-12	2000 ohms, 12 watts		
SSRR20-50	2000 ohms, 150 watts		
SSRR15-12	1500 ohms, 12 watts		
SSRR15-50	1500 ohms, 50 watts		

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10/0.167 100/1 67 a cond NUMBER OF CYCLES/SECONDS **Thermally Conductive Compound**

for Use Between Heat Sink and SSR

Model No.	Description
OT-201-1/2	14 g (½ oz) size
OT-201-2	57 g (2 oz) size
OT-201-16	454 g (1 lb) size

Fuses

To Order (Specify Model No.)			
Model No.		Capacity	
KAX-10		10 A	
KAX-25		25 A	
KAX-30		30 A	
KAX-45		45 A	
KAX-70		70 A	
KAX-90		90 A	
KBH-50		50 A	
KBH-70		70 A	
KBH-90B		90 A	
KBH-90B	<u></u>	90 A	

Fuse Blocks

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To Orden (Specify Model No.) Model No **Compatible Fuses** KAX-10, KAX-25, KAX-30 **B-2** KAX-10, KAX-25, KAX-30 FB-3 KAX-10, KAX-25, KAX-30 **BS-101** KAX-45, KAX-75,

Shunt Resistor Guide for **Controllers with Triac or SSR Outputs**

Controller Model No.	Model No. Resistor 120 Vac	Model No. Resistor 240 Vac	
CN2000, CN2010, CN2040	SSRR20-12	SSRR20-50	
CN9131A, CN9231, or CN9231A	SSRR12-12	SSRR15-50	
For Additional Controllers			

and Indicators, See Section M

KAX-90, KBH (all models)

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