

RSDA/RSAA RS3DA/RS3AA MODELS



EUROTHERM
CONTROLS

Solid State Relays

- Heavy duty solid state relays for superior performance in industrial applications
- Extremely cost effective solution
- Total SSR package - integrated relay and heatsink
- Integrated heat sink design for exceptional cooling capability
- Recessed terminals means no lugs or safety covers required
- DIN rail or panel mounting
- LED diagnostics
- No moving parts, no parts to wear out
- Zero crossing control
- 100% tested at rated current
- Made in USA

The Eurotherm RS family of Solid State Relay (SSR) products offers a superior method of switching power to resistive heaters, lamps, alarm devices, and other similar applications. Available in the popular amperage sizes, the Eurotherm RS relays can be cycled as fast as the mating controller requests without any wear or degradation in the expected life of the relay. For some heater applications, for example, fast cycling of the SSR causes a dramatic increase in the life of the heater due to a reduction in the thermal expansion and contraction of the heater.

Heatsinks

All SSR products generate heat based upon the amperage of the applications. Eurotherm has custom engineered the integration of the SSR-to-heatsink technology so that maximum cooling can be achieved with a small heatsink design. This permits high density installations inside electrical cabinets. The RS family goes from the box to final installation in just minutes.

Safety

The RS family uses recessed terminals for all wiring connections. This achieves the IP 20 safety standard for "finger safe". The power terminals have large pocketed terminals for quick installation without the need for wire lugs or crimped connectors. The LED indicator activates whenever the SSR is requested to turn "on".

Support

The SSRs are sold and supported by a team of factory-trained Eurotherm representatives and distributors throughout the world. Please contact Eurotherm Controls Inc for more information or application assistance.

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Technical Specifications

Output switched	<25 or <40A (single phase units) <30A (three phase unit)
Voltage switched	48-660V (CE mark is applicable only to 48-500V)
LDC input models	4-28Vdc = "on" <1Vdc = "off"
HDC input models	15-30Vdc = "on" <1Vdc = "off"
HAC input models	90-280Vac = "on" <20Vac = "off"
Compatibility	Use the LDC or HDC models with Eurotherm "logic" output instruments or the equivalent Use the HAC models with Eurotherm "AC" output instruments or the equivalent*
LED diagnostics	Red LED = requested to turn "on"
Safety	IP 20 "finger safe, palm safe" + UL, cUL
Installation	Clips onto standard 35mm DIN rail or bolts directly to a sub-plate Installation requires unrestricted airflow, otherwise contact Eurotherm Controls for derating information

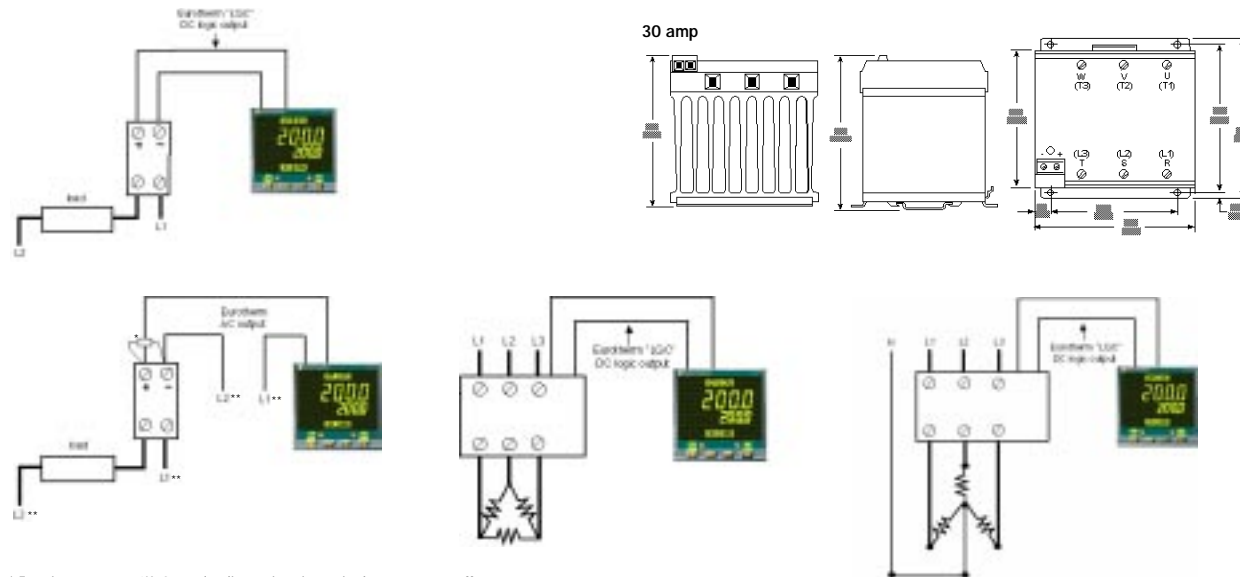
Ordering Code - single phase units

Product/	Max/ Amps	Voltage/	Input
RSDA	25	500	LDC (low DC input)
	40	500	HDC (high DC input)
RDAA	25	500	HAC (AC)
	40	500	HAC (AC)

Ordering Code - three phase units

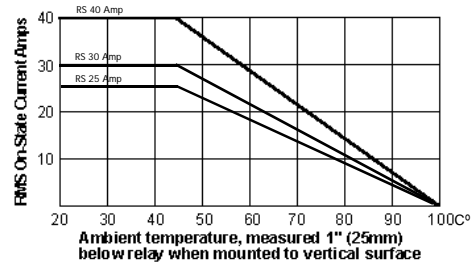
Product/	Max/ Amps	Voltage	Input
RS3DA	30	500	HDC (high DC input)
RS3AA	30	500	HAC (AC)

Typical Installations

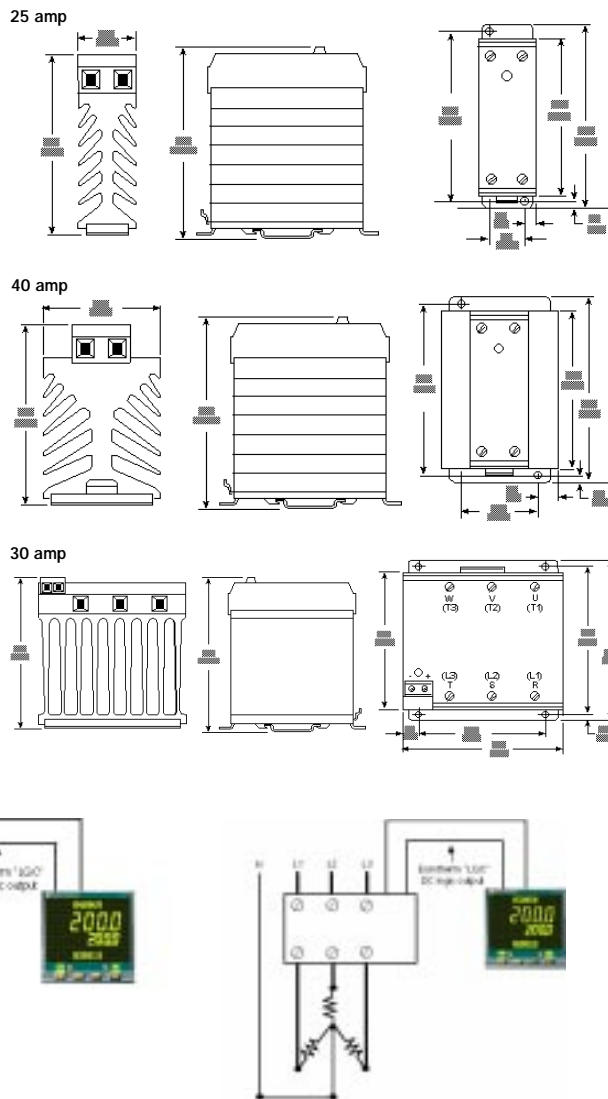


* For triac outputs, a 4K, 8 watt loading resistor is required to ensure turn off.

Derating curve



Dimensions in inches (mm)



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For more information contact your local representative: