press information

Continental launches New Master Distributor Network in USA & Canada

LEESBURG, VA, USA, 07 March, 2008 – Eurotherm Inc. has restructured its US and Canadian distribution network for Continental products to become a collection of Master Distributors. The new network of Continental Master Distributors will provide customers with quick deliveries of quality Solid-State Relays, Solid-State Contactors and IO Modules via local inventories.

Faber Industrial Technologies has been appointed the Master distributor for New York, New Jersey and Pennsylvania.

"We expect that the restructured distribution network complemented by the recently announced manufacturing move to Reynosa, Mexico will lead to increased market share and growth within North America", said Mikaël Le Guern, Continental's Global Product Manager.

For more information on Continental products, visit www.ciicontrols.com.

About Eurotherm

Eurotherm is a leading global supplier of control, measurement and data recording solutions and services to industrial and process customers. The company's international reputation as a provider of innovative solutions across a broad spectrum of vertical markets is supported by engineering services designed to realize greater

benefits to customers' plant-wide assets. Eurotherm's product range includes distributed process automation systems and machine control incorporating single and multi-loop control, operator displays, data management and graphic recorders, power control and signal conditioning. It is an ISO9000 approved Company, and operates TickIT protocols for software management.

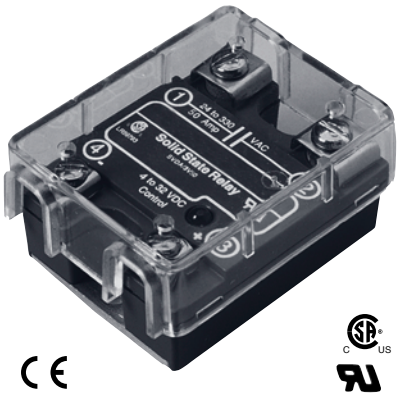
Eurotherm is a key business within Invensys, the global automation, controls and process solutions Group. Invensys products, service expertise and ongoing support enable intelligent systems to monitor and control processes in many different environments. Leading companies in a wide range of industries rely on Invensys to help them perform with greater efficiency, safety and cost-effectiveness.

Headquartered in London and listed on the London Stock Exchange, the Invensys Group is made up of four businesses: **Process Systems**, **Eurotherm**, **Rail Systems** and **Controls**. Overall The Group has over 30,000 employees working in 60 countries.

SV Series - Panel Mount Solid State Relays

FEATURES/BENEFITS

- **10 - 75 amps, 330Vac max.**
- **50 - 75 amps, 660Vac max.**
- **Single phase, zero crossing**
- **LED input indicator**
- **Clear safety cover included**
- **Panel mount**
- **DC and AC input versions**
- **Superior surge survival**
- **Meets EN60947-4-3**
- **UL recognized, CSA listed, CE approved**
- **100% tested**



See pages 6 and 17-19 for heat sinking considerations and thermal transfer pads.
See page 16 for fuse selector chart.

SPECIFICATIONS

Dimensions inches (mm): 2.25(57.1)H x 1.75(44.5)W x 1.37(34.8)D on vertical panel

Load type: Resistive

Inputs:

SVDA–DC Input

DC Logic: 10-25A — ON ≥ 4Vdc/5.4mA, 32Vdc/10mA max., current limited
50-75A — ON ≥ 4Vdc/3.5mA, 32Vdc/8mA max., current limited
OFF ≤ 1Vdc

SVAA–AC Input

AC Logic: ON ≥ 100V, 280Vac max.
OFF ≤ 2mA, 10kΩ impedance

Current ratings: 10A, 25A, 50A and 75A

Voltage ratings: 3Vxx rating option: 24V to 330V max.
6Vxx rating option: 24V to 660V max.

Operating temperature: 0°C to 40°C (up to 80°C with derating)

I^2t (A^2/secs): 10A-60, 25A-260, 50A-1620, 75A-7010

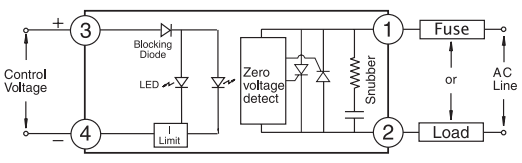
Peak blocking voltage: 800V, impulse (300Vac), 1200V, impulse (600Vac)

Offstate dVdT:

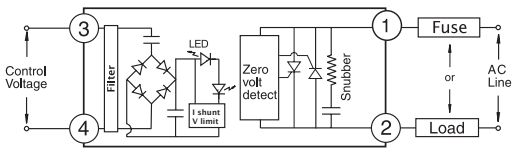
300V	600V
10A-750V/µsec	50A-500V/µsec
25A-750V/µsec	75A-500V/µsec
50A-1000V/µsec	
75A-1000V/µsec	

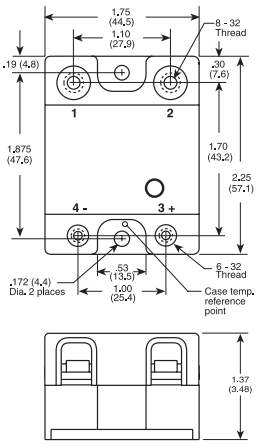
SCHEMATICS/DIMENSIONS

DC Input



AC Input





ORDERING CODES

Model	
SVDA	4-32Vdc input, AC output
SVAA	100-280Vac input, AC output

Rating	
3V10	10 amps, 300 volts
3V25	25 amps, 300 volts
3V50	50 amps, 300 volts
3V75	75 amps, 300 volts
6V50	50 amps, 600 volts
6V75	75 amps, 600 volts

Heat sinks and Accessories (mm)	
S505-heatsk-1.5	76.2 H x 111.8 W x 66.8 D
S505-heatsk-1.0	139.7 H x 111.8 W x 66.8 D
Heatsk-DIN-1.6	80 H x 60 W x 71.1 D
Heatsk-DIN-1.0	116.59 H x 60 W x 86.3 D
Heatsk-6pk-1.2	579 H x 60 W x 71.1 D
Cover Safety-000	Clear Cover
Thermal-pad-005	5 pack of thermal pads
Thermal-pad-025	25 pack of thermal pads

NOTE: Adequate heat sinking, including consideration of air temperature and flow, is essential to the proper operation of a solid state relay. Units should not be mounted in an enclosed area without proper air flow. Units should also never be mounted to a plastic base or to a painted surface. Failure to provide adequate heat sinking with thermal gel or pad will cause a solid state relay to fail.

See page 6 and pages 17-19 for more details.

RV Series Single Phase DIN Rail Mount Relays

FEATURES/BENEFITS

- **Superior Surge Survival™ technology**
- **25 or 40 amp ratings**
- **575 or 660Vac max.**
- **Integrated heat sink**
- **LED input indicator**
- **Direct copper bonded**
- **Meets EN60947-4-3 and EN55011**
- **UL recognized, CSA listed, CE approved**

See page 18 for installation considerations and page 16 for fuse selector chart.

SPECIFICATIONS

Load type:	Resistive
Input:	
RVDA–DC Input:	ON ≥ 4Vdc/3.5mA, 32Vdc/8mA max, current limited OFF ≤ 1Vdc
RVAA–AC Input:	ON ≥ 100V, 280Vac max., 9-25mA OFF ≤ 20Vac/2mA, 10kΩ impedance
Output:	
Current ratings:	25 or 40 Amps
Voltage ratings:	5V-24V to 575V max. (internal MOV), 6V-24V to 660V max.
Frequency:	47-63Hz
Voltage drop:	25A-1.0Vac, 40A-1.2Vac
I^2t rating:	1350 A^2sec
Leakage:	10mA max.
Holding current:	100mA
Peak blocking voltage:	1400V
Offstate dVdT:	1000V/µsec
Turn on/off time:	< 8.3ms @ 60Hz
Operating temperature:	0°C to 40°C (up to 80°C with derating)

ORDERING CODES

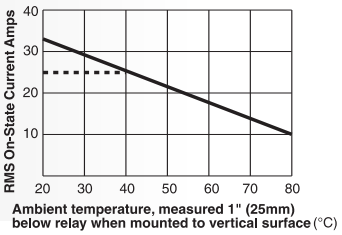
Model / Rating

Model	
RVDA	DC input
RVAA	AC input

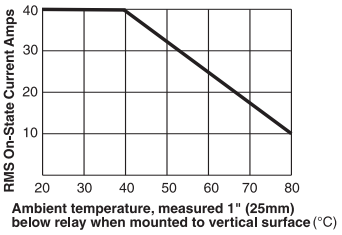
Rating	
5V25	575V 25 amp
6V25	660V 25 amp
5V40	575V 40 amp
6V40	660V 40 amp

DERATING CURVES

25 Amp unit

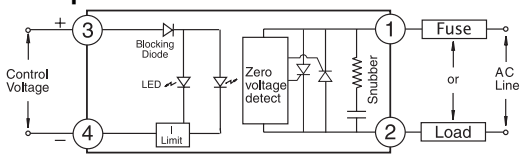


40 Amp unit

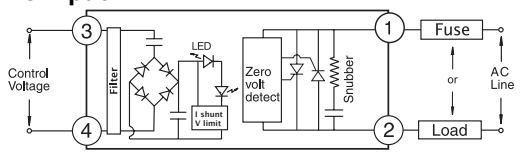


SCHEMATIC/DIMENSIONS

DC Input

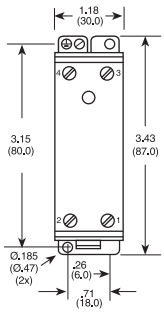


AC Input

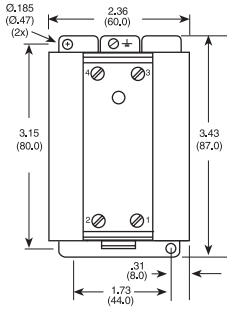


Front View

25 Amp



40 Amp



Side View

25 and 40 Amp