

Mfrs. List No.	Order Code	1+	5+	50+
SKPC100Z-440	.210-729			

Power Modules

Combined Trigger Module and 25A Triac



H = 44, W = 73, D = 44

- In-built triac reduces system complexity
- Requires additional heatsink
- Universal span and zero matching to voltage or current control signals
- +5V dc output
- LED output power indicator
- Low power consumption
- Isolated output
- Selectable soft-start on FC11AL/2

N.B. FC11AL/2 requires external RFI Suppression Module, order code 663-864 see page 448, for CE Approval.

Signal span	0 to 2V dc min. 0 to 25V dc max.	AC input power	18V rms ±15%
Signal zero offset	0 to 30% of span	Line voltage	110V to 240V
Signal i/p resistance	5kΩ, ±20%	Triac rms on current	25A
Manual pot	2kΩ, 5kΩ or 10kΩ @ 1W	Surge current	250A
Soft start capacitor	22µF 16V	Max. pk voltage	600V
		Power consumption	0.5W

SD117

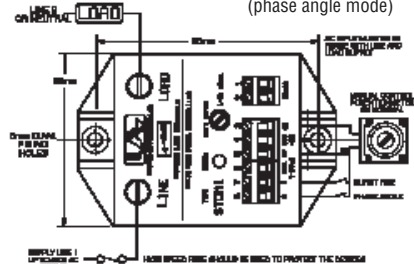
Mfrs. List No.	Order Code	1+	10+	50+
Phase angle	FC11AL/2			
Burst firing	FC11BL/2			

25A, Selectable Phase Angle/Burst Firing



H = 44, W = 92.5, D = 62

- Microprocessor controlled
- Selectable burst fire or phase angle
- Presettable soft-start or automatic switching
- Adjustable cold start ramp-up
- Isolated voltage or current driven output, via temperature controller or PC
- Earthable integral heatsink
- Recommended mounting on thermally conductive, unpainted surface
- AC input should be in-phase with line and load supply (phase angle mode)



Input voltage control	0-5V, manual control potentiometer 5K nominal
Input current control	4-20mA, 200R
Phase reference setting	9-24V ac at 50mA
Output voltage	Up to 440V ac max. 50/60Hz
Load current	25 Amps
Insulation connections to heatsink	1500V rms

FOR SUITABLE LINE FILTERS SEE BOOK 2, SECTION 2
FOR SUITABLE HIGH SPEED FUSES SEE BOOK 4, SECTION 9

SD206

Mfrs. List No.	Order Code	1+	5+	10+
STOM1	.547-323			

Power Regulators

6A, 10A, 15A, Enclosed or IC only



- Solid state reliability
- 0-99% phase angle power control (resistive load)
- Enclosed design incorporates earthable, isolated heatsink
- Power IC offers 6.3mm or 10.3mm mounting holes, and requires an additional potentiometer
- Uses include heating control, lighting and motor speed control
- Earthable heatsink

Connections:



H = 44, W = 33, D = 23 (exc spindle), Shaft dia = 6.3
Bush L = 6, Fixing hole dia = 10, Cable L = 170 min.

Connections: Red - Line 220/240V, 50/60Hz
White - Neutral through load

AC input 240V ac, R = 250kΩ
AC input 110V ac, R = 120kΩ

H (excl pins) = 27.7 (small mounting hole series)
34.1 (large mounting hole series)
W = 16.0, D = 6.4

N.B. FC11AL/2 requires external RFI Suppression Modules, see page 448, for CE Approval.

RMS max. on state current (tab 70°C)	6A, 10A and 15A
Peak one cycle surge current	6A = 100A, 10A = 120A, 15A = 150A
Minimum holding load current	30mA
Repetitive peak voltage (tab 70°C)	400V
Hysteresis (typical)	5%
Total conduction phase angle (typical)	0 to 160°
Controlled conduction phase angle (typical)	30 to 160°
Tab surface operating range	-40 to +70°C
Insulation withstand capability (tab 70°C)	1600V for 1 minute

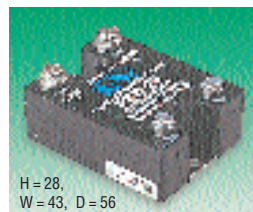
Recommended heatsink to achieve quoted ratings: Below 5A use 8°C/W heatsink, or 7 7cm panel.
10A use 4°C/W heatsink or 10 10cm panel. 15A use 2°C/W heatsink or 17 17cm panel.

Fusing: Use only high speed fuses - See BOOK 4, SECTION 9

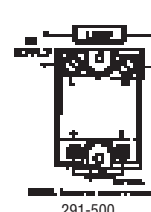
SD55

Mfrs. List No.	Order Code	1+	10+	25+	100+
Enclosed Controller					
6A	CSR2-6E		.170-631		
10A	CSR2-10E		.103-851		
15A	CSR2-15E		.103-852		
IC Only - 3.6mm Dia Mtg Hole					
6A	CSR604A		.170-630		
10A	CSR1004A		.103-849		
15A	CSR1504A		.103-850		
IC Only - 10.3mm Dia Mtg Hole					
15A	CSR1504B		.170-656		

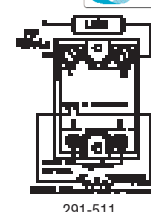
25A Enclosed



H = 28,
W = 43, D = 56



291-500



291-511

Compact, reliable phase angle power controllers for loads up to 6kW at 240V ac, in epoxy encapsulated, simple to wire packages.

Order code 291-511 incorporates a thermistor input to allow for fan speed regulation in heating, ventilation and air conditioning systems.

Suitable thermistor available separately.

N.B. Requires external RFI Suppression Module, order code 663-864 see page 448, for CE Approval.

RMS max. on state current	25A	Off state voltage	400V
Hysteresis	15%	Forward voltage drop	1.5V
Leakage current	5mA	Base isolation voltage	1500V rms

Mfrs. List No. PSR25 = 291-500, TPSR25 = 291-511

SD166

	Order Code	1+	10+	25+	50+
Thermistor input	.291-500				
Thermistor sensor	.291-511				
	.328-2788				

Continued