



## 3PH THYRISTOR POWER PROPORTIONAL CONTROLLER -SCR POWER REGULATOR

Emtech offers compact Thyristor Power Proportional Controller (SCR Power Regulator) for Electric Heating for Precise and Stable output, Which gives power savings. It can be used for Oven and Electric Furnace. Thyristor Power Proportional Controller (SCR Power Regulator) high accuracy and stable output which Enhance Heater life and reduce maintenance cost.

### FEATURES

- # Three Phase Models Available.
- # Current Rating from 50 to 200 Amps.
- # Power Rating 24kW to 90kW - 3PH.
- # Soft Start & Maximum Power Adjustment Provided
- # Phase Angle Controlling
- # Output Status & Power ON Indication Provided
- # Control Inputs: 4-20mA / 0-10VDC / POT
- # Big Hetasink With Cooling Fan
- # Supply Voltage 230V AC (For, Circuit And Cooling Fan)

### APPLICATIONS

- # Ovens
- # Furnaces
- # Oil Bath
- # Die casting
- # All Kind of Thermal Applications
- # Glass / Ceramic / Vinyl Industries
- # Air Handling Unit Application
- # All kind of Heavy Heater Load



### TECHNICAL DATA

Input	Support Analog Input 4 - 20 mA, 0-10VDC, POT
Control	Phase Shift Output ( with Midline / Without Midline )
Phase Shift	≤175 degree
Mode	Combine Trigger Mode of Pulse and Optocoupler
Load	Suitable for Resistive
Load Capacity	Maximum Load 90KW - 3 PHASE
Wiring	Support Several Mode of Wiring ( Star with Midline, Star Without Midline, Triangle Wiring )
Anti-Interference	Strong Anti-Interference Function and Pass 1800 V Common-mode and differential Mode Experiment
Display / Keyboard	4 Digit Display with 4 Keys to Program
Indication	Power Indication / RUN Indication / On- Line Display for Running Output / Error Message Indication
Protection	Stop-Phase Protection
Soft -Start	Support Soft Start Function with Adjustable Time Limit
Function	Support Power Limit Function
Programmable Function	Min. / Max. Output Can be Limit through Programming
Cooling	Natural and Forced Air Cooling as per Load Capacity
Supply	AC 85 to 265 V, 50 Hz
Ambient Temperature	0°C to 50°C

### Specification Sheet

Thyristor Amp Rating	Load Bank KW	Actual Load Power-415V	Case Size (mm)			Weight Kg	Cooling Method
			L	W	H		
50A	24	32A	250	140	200	5	Forced Air Cooling
75A	36	50A	250	140	200	5	Forced Air Cooling
120A	48	66A	250	140	200	5	Forced Air Cooling
150A	60	85A	250	140	200	5	Forced Air Cooling
175A	72	99A	350	140	200	5	Forced Air Cooling
200A	90	122A	350	140	200	5	Forced Air Cooling

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