

Feature

- With three-phase current display and the number of data detection function display (Note: Full-featured models have current detection function)
- 0.1% of the fully digital operation display and a number of debugging and protection functions, high precision process control, resolution
- All models with RS485 Modbus RTU communication functions to facilitate real-time monitoring and control
- A variety of input control: 4 ~ 20mA, 0 to 20mA, 1 to 5V, of 0 ~ 5V of 2 ~ 10V, 0 ~ 10V, Potentiometer, Manual KEY IN output, RS485 Modbus RTU
- Three-phase full-wave control output mode, then zero phase line output mode and set to the regulator, the current limit, the constant current mode
- Can set maximum and minimum set start time and output buffer
- Number of abnormal display, real-time output alarm and stop setting the SCR output or continue to work
- With input and output terminal protective cover to prevent the risk of electric shock
- The power input of the built-in high-speed fuse to protect the internal SCR module
- Containing electronic automatic temperature detectors as a heat sink overtemperature protection
- Cooling fan automatic control, fan operation, the temperature is too high to avoid fan for a long time operation, extend fan life.
- No phase sequence of the main power and auxiliary power relations, boot in no particular order, 50/60HZ automatically do do.
- The full-featured models with three-phase the imbalance detection function and load measured disconnection overcurrent SCR breakdown anomaly detection



30-150A

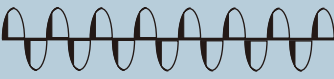
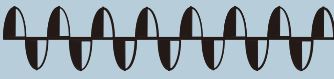

DPR Series

We offers a full range of SCR digital power controllers with phase angle firing to suit many industrial applications: Industrial heating, furnaces, kilns, variable resistive loads, transformer coupled loads, fast response loads, high in-rush current, short wave infrared, standard resistive loads, silicon carbide elements. giving optimum performance and equipment lifetime. Available in single phase and 3-phase, digital scr power controllers are able to efficiently control all industrial heating applications.

Information

load current	30,50,75,100,120,150A
load voltage	100~480VAC
Auxiliary power	100~230VAC +/-15% , 50/60HZ
Control signal	0-20mA/4-20mA/0-5VDC/1-5VDC/0-10VDC,VR-10K,KEY IN,RS485
Resolution / linearity	0.1% / 1%
Leakage Current	15mA (Max)
Consumption Watts	5W (Max)
Frequency range	50~60HZ
Input resistance	DCA (250Ω) ,DCV (10KΩ)
Insulation voltage	AC2500V (1 Min)
Alarm contacts	2.0A
Operating Temp.	-10~82℃
Operating RH.	95% RH
Communication	RS485 Modbus RTU
Cooling	Natural cooling or install a fan
Soft Start	0-20% (about 0-15 sec)
Fan ON / OFF temp.	>50℃ ON / <45℃ OFF
Over temp.	<82℃ OFF / >73℃ ON

Control mode and the output waveform comparison

Controller model \ Output %	Output waveform		
	10% Output	50% Output	90% Output
Phase control			

Order code / Dimensions / Weight

Wiring diagram

MODEL:DPR <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> - <input type="text"/> <input type="text"/>	
Model	DPR
Type	1 Single-phase 3 Three-phase
Voltage	48 100-480VAC 99 SPECIFIED
Current	30 30A
	50 50A
	75 75A
	100 100A
	120 120A
	150 150A
-	
Control signal	A 0-20mA
	B 4-20mA
	C 0-5VDC
	D 1-5VDC
	E 0-10VDC
	F 2-10VDC
	S SPECIFIED
-	
Optional feature	S Standard
	C Full-featured
External Potentiometer	N No
	V Have
Type Spec.	(L X W X H)mm/(Weight)kg
30A	213X128X180mm/2.3kg
50A	245X128X180mm/3.1kg
75A	250X140X206mm/3.8kg
100A	250X140X206mm/3.8kg
120A	250X140X206mm/3.8kg
150A	305X140X206mm/4.2kg

