

POWER REGULATOR

- Independent adjustment of Max and BIAS.
- Ease of fuse replacement.
- VR of Max and SFS are installed in front panel, easy for adjustment.
- Multi-LED display panel to show operating condition.
- Auxiliary powers (AC1, AC2) are independently controlled.
- Build-in buffering output adjustment (SFS VR), adjusting range 1 – 22 seconds.
- Top and bottom shielding covers are designed for safety and easy for wiring installation.
- When there is 0,5 Hz sudden power loss, system output can be switched off immediately. Once power is restored, the system will buffer the output to prevent the voltage surge for fuse burn-down.
- Main power design for 200 – 480 VAC.
- Automatic power frequency detection for 50-60 Hz. No need for selection or switch.
- Automatic detection and display for power out-of-phase, SCR overheating, and fuse burn-down with one set of alarm dry contact output.
- In cases of SCR overheating or fuse burn-down, the system output is stopped immediately. Once the malfunction is eliminated and power is restored, the system will buffer the output to prevent the fuse burn-down.
- Control signals 4-20 mA, 1-5 VDC, 2-10 VDC, 0-20 mA, 0-5 VDC, 0-10 VDC, dry contact points, etc. can be used.
- Triggering circuit and the main board are designed separately to avoid the main board damage when main circuit malfunctions.
- Using European detachable control signal connector for easy replacement without re-wiring installation.



Using Reliable & Durable SCR



Ease of Fuse Replacement



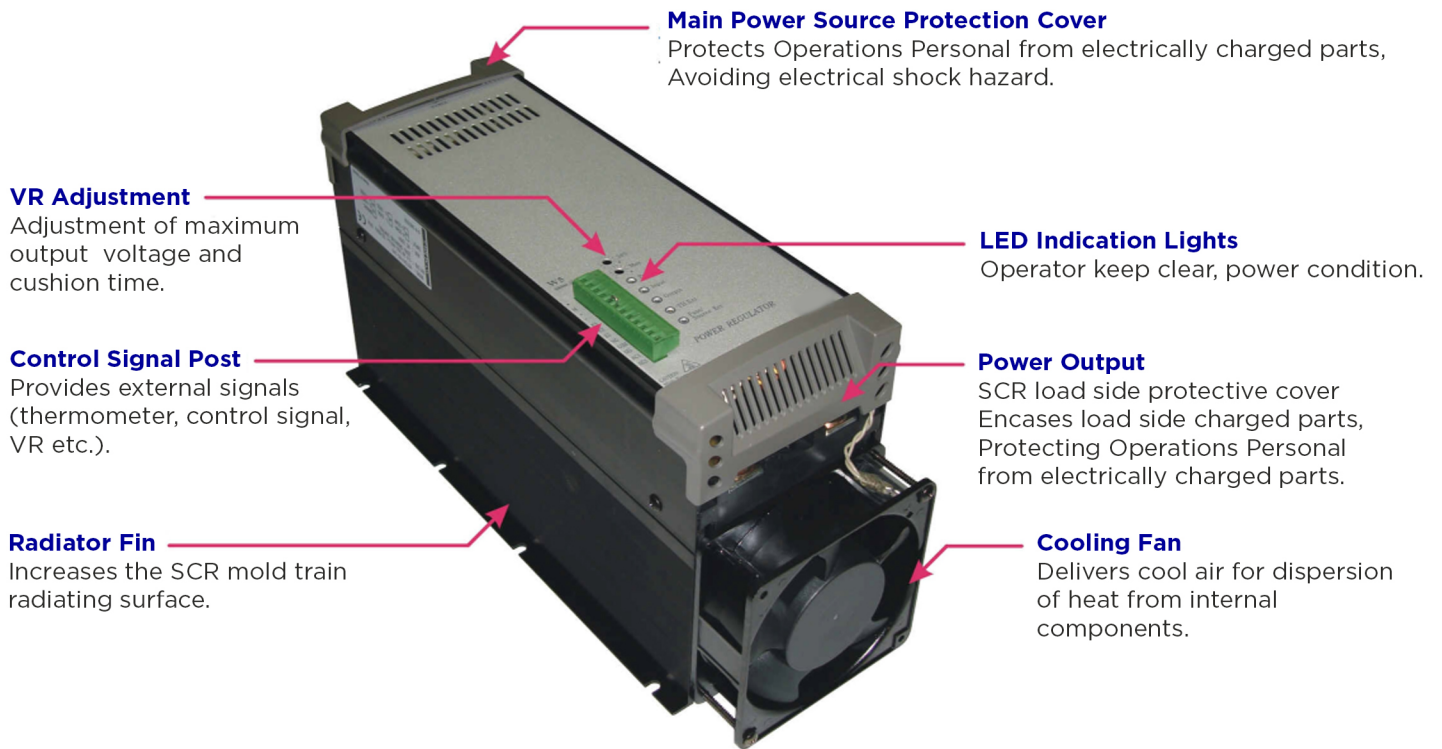
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Control mode \ Output	Output wave		
	10% Output	50% Output	90% Output
Phase angle control			
Zero crossing control	 1 cycle ON and 9 cycle OFF	 1 cycle ON and 1 cycle OFF	 9 cycle ON and 1 cycle OFF

Phase control: The continuous phase angle control, the output is stable, the ampere metre does not vibrate, but each half-wave will produce an overtone.

Is the load suitable: impedance load Dependent, Changing impedance load, inductive load, the IR tube.



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Product Model Identification Table

Product series	W5	W5 series	
Control	SP	Single-phase angle control	
	TP	Three-wire three-phase angle control	
Main power voltage	1V	110VAC (Only for single-phase power source)	
	4V	200~480VAC	
Normal rated current	030	30A	
	045	45A	
	060	60A	
	080	80A	
	100	100A	
	125	125A	
	150	150A	
	180	180A	
	230	230A	
	300	300A	
	380	380A	
	450	450A	
580	580A		
720	720A		
Dash	-		
Auxiliary power source code	1	1 ϕ 110VAC	
	2	1 ϕ 220VAC	
Input signal code	0	0~ 5VDC	
	1	1~ 5VDC	
	2	2~10VDC	
	3	0~10VDC	
	4	4~20mA	
	5	0~20mA	
	M	Manual adjustment	
*	Special		
Buffering time code	J	Adjustable buffering time, 1~22 seconds (Phase-angle type product)	
Special code	TF	Inductive reactance type loading	
	CL	Limited current type	
	CV	Constant voltage type	



Single-phase angle and Single-phase zero crossing control (W5SP · W5SZ)

Normal rated current	Figure	Outline dimensions (mm)			Net weights (Kg)	Packed dimensions (mm)			Packed weights (Kg)	Fixed-hole dimensions (mm)				Main power source screw	Way of cooling
		Length	Width	Height		Length	Width	Height		L1	L2	L3	W		
30A	A	162	98	133	1.3	225	127	166	1.5	122	Ø	Ø	90	M6	Air-cooling
45A	A	200	98	133	1.5	262	127	166	1.7	122	Ø	Ø	90	M6	Air-cooling
60,80A	B	162	112	183	1.7	225	140	220	2.0	122	Ø	Ø	104	M6	Air-cooling
100A	C	189	112	183	2.0	250	140	220	2.3	122	Ø	Ø	104	M6	Fan-cooling
125,150,180A	C	275	112	183	3.0	336	140	220	3.4	122	86	Ø	104	M8	Fan-cooling
230A	C	287	112	188	3.4	345	140	220	3.8	122	86	Ø	104	M10	Fan-cooling
300,380A	I	390	140	248	6.4	450	168	277	7.0	122	86	94	132	M10	Fan-cooling
450A	I	390	140	248	7.1	450	168	277	7.7	122	86	94	132	M10*2	Fan-cooling
580A	I	460	140	248	8.6	600	265	390	10.5	122	86	94	132	M10*2	Fan-cooling
720A	I	560	140	248	10.4	700	265	390	12.7	122	86	239	132	M10*2	Fan-cooling

Three-wire three-phase angle, Three-wire three-phase zero crossing control (W5TP · W5ZZ)

Normal rated current	Figure	Outline dimensions (mm)			Net weights (Kg)	Packed dimensions (mm)			Packed weights (Kg)	Fixed-hole dimensions (mm)				Main power source screw	Way of cooling
		Length	Width	Height		Length	Width	Height		L1	L2	L3	W		
30A	D	200	140	145	2.5	262	168	182	2.9	122	Ø	Ø	132	M6	Air-cooling
45A	E	200	140	205	3.0	262	168	245	3.4	122	Ø	Ø	132	M6	Air-cooling
60,80,100A	F	202	140	205	3.1	262	168	245	3.5	122	Ø	Ø	132	M6	Fan-cooling
125A	F	288	140	205	4.4	350	168	245	5.0	122	86	Ø	132	M8	Fan-cooling
150A	F	326	140	205	4.8	388	168	245	5.4	122	86	Ø	132	M8	Fan-cooling
180A	F	382	140	205	5.8	443	168	245	6.3	122	86	94	132	M8	Fan-cooling
230A	H	322	215	265	15.3	450	313	420	17.3	230	Ø	Ø	203	M10	Fan-cooling
300,380A	H	402	215	265	21.1	540	313	420	23.4	230	80	Ø	203	M10	Fan-cooling
450A	K	390	380	248	19.7	525	505	390	22.6	122	86	94	372	M10*2	Fan-cooling
580A	K	460	380	248	24.4	600	505	390	27.4	122	86	94	372	M10*2	Fan-cooling
720A	K	560	380	248	29.6	700	505	390	33.3	122	86	239	372	M10*2	Fan-cooling

