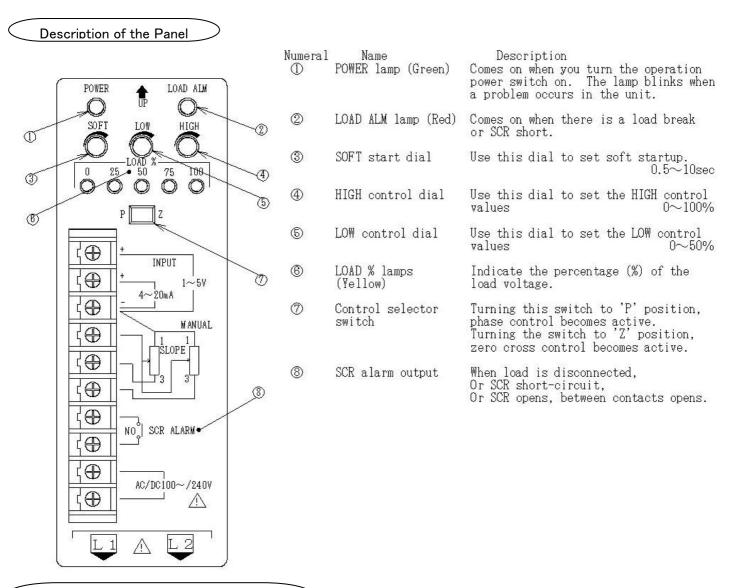
SCR alarm function is equipped standardly. The change of Phase control and Zero crossing control is supported.

## Single-phase Power Controller

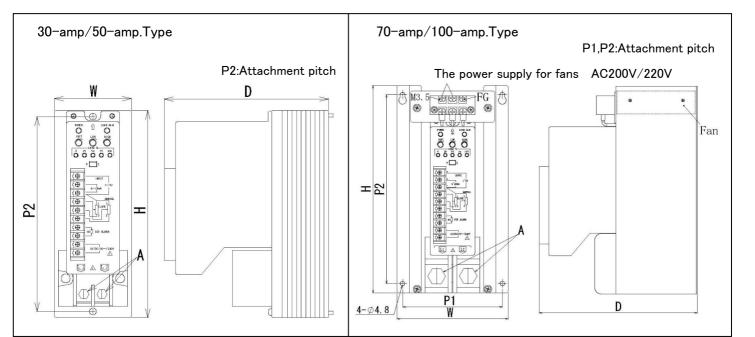
# FPZ series







#### Dimensional Outline Drawings



Outside size table			(UNIT:	mm)			
	W	Н	P1	P2	D	weight(kg)	А
30 A	48	170		$160 \pm 0.5$	135	1	M4 bolt
50 A	68	185		175 ±0.5	145	1.5	M5 bolt
70 A	116	220	104	200	165	2.6	M5 bolt
100 A	116	220	104	200	165	2.6	M8 bolt

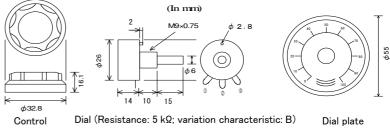
Item	Specifications	Specifications				
Control system						
		Panel slide switch change				
	Current capacity	30A,50A,70A,100A				
Load	The minimum load current	0.3A (At the time of a full output)				
	Application load	Resistance load				
	voltage	AC100 to 240V·380V/400V/440V	It specifies either.			
Load power supply	Rated frequency	50Hz,60Hz (Automatic sorting)				
	Permission frequency change	±1Hz of rated frequency	_			
	Number of phases	Single phase				
Operation	voltage	100 to 240V AC/DC	Free power supply			
power supply	Power consumption	7VA MAX				
Control input	Current signal	4 to 20mA DC (100Ω)	The change by the terminal			
Automatic setup)	voltage signal	1 to 5V DC (25KΩ)	connection position			
External	MANUAL manual setup	0 to 100%	External volume setup			
setting function	SLOPE External slope setup	0 to 100%	External volume			
internal	SOFT software start setup	0.5 to 10sec	Panel volume setup			
setting function	HIGH output setup	0 to 100%	Panel volume setup			
	LOW output setup	0 to 50%	Panel volume setup			
Output	Output voltage range	0 to 98%				
	Input-and-output property	Straight line property				
	POWER Power supply display lamp	The light is switched on with a power supply ON.	It blinks at the time			
			of the abnormalities in CPU.			
Monitor function	LOAD ALM alarm lamp	Heater disconnection alarm	When the heater is being used one			
	LOAD% Load factor display lamp	0%,25%,50%,75%,100%	Five-step display			
Ambient temperature	Performance guarantee range	0°C to +40°C	Humidity 30% to 90%RH			
of operation						
Cooling system	Natural air cooling (30A•50A AC), Comp	ulsive cooling (70A · 100A AC)				
nsulation resistance	between the main circuit terminals and the case	Over 50 MΩ (500 VDC)				
Insulation withstand voltage	e between the main circuit terminals and the case	2000 VAC for one minute				

#### Accessories

By connecting optional accessories

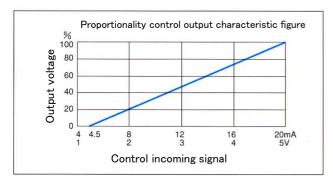
(Slope setting machine, Manual setting machine) to a unit terminal,

Slope setup and the change of manual operation [ be / automatic ] are possible from the outside.

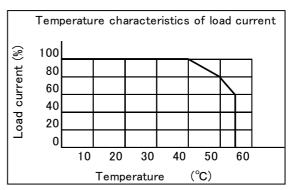


Property

Input-and-output property



### Load current temperature property

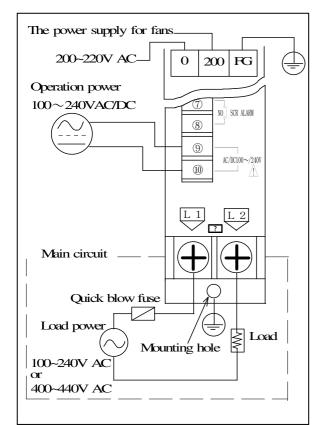


Volume for slope setup,manual setup, high-low control

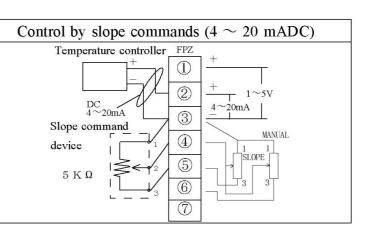
#### Description of Type Code

Specification	Description	Spec FPZ -	ification Cod	e RS	Load power voltage
Product type		FPZ	1		
Rated current	Max. load current - 30 A		03		- 2200V AC
	Max. load current - 50 A		05		- 4400V AC
	Max. load current - 70 A		07		
ul.	Max. load current - 100 A		10		
pplicable load Linear (R) load			1 1 1	R	
Alarm ouput	With SCR alarm output	- 69 - 63	1	S	

#### The example of external connection



\* As for the product of 70A and 100A, a fan drive power supply is needed separately.



#### **Business line**

Automatic temperature control meter

Various temperature detection edges

Direct-current ampere-hour meter

Direct-current ampere-hour meter by microcomputer control

Thyristor power controller

Heater disconnection alarm

In addition, electronic application apparatus



Head Office Shimouma 4-14-15,Setagaya-ku, Tokyo 154-0002, Japan Telephone :+81 3 3421 5141 Fax :+81 3 3421 5145 Yamanashi Fuji Plant Shibokusa, Oshino-mura, Minami-Tsuru, Yamanashi 401-0511, Japan Telephone :+81 555 84 2503 Fax :+81 555 84 3157

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Caution	• Since this product is not manufactured for the applications stipulated in the Export Trade Control Ordinance, it cannot be used for the purpose of weapons of mass destruction.	
in using	• The final application and final customer must be checked so that it will not be used for	
	weapons of mass destruction (military application, military equipment). Due attention must also be paid to the re-sale so that it will not be illegally exported.	05.01005B <sup>(</sup>