Single-phase Power Controller

FPM1/FZM1 series





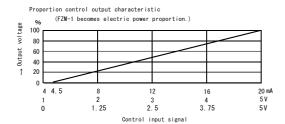
Specification

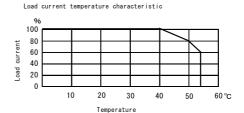
Single phase				
AC 20A,30A,50A,70A,100A,150A,200A,300A				
Straight line characteristic				
AC100V,110V,120V,200V,220V,240,380V,400V,440V,480V				
50/60Hz(automatic distinction)				
Within ±1Hz				
Phase control and 0 crossing control				
Straight line (R: Resistance) load or inductivity				
(L) load(side control of the first transformer)				
DC1~5V(input impedance: 10KΩ)				
DC4~20mA(input impedance: 150Ω)				
0-98% of the first side power-supply voltage				
Natural cooling(AC20A,30A,50A,70A)				
Compulsion cooling by wind(AC100A,150A,200A,300A)				
Fuse of deciding hastily				
Within ±10% of ratings value				
0~40°C				
90%RH or less(No do be dewy.)				
Causticity gas and dust and vibration, etc.				
Vertical installation				
500VDC 50M Ω or more between main circuit terminal and case				
2000VAC 1 minute between main circuit terminal and case				
20/30A:2.0kg,50A:3.2kg,70A:3.9kg,100A:4.6kg,				
150/200A:7.8kg,300A:8.0kg				

FPM-1/FZM-1Type name code

Power-supply voltage	1 2 3 4	02			
AC100V~110V F Z M Power-supply voltage AC400V~440V 2 0 A 3 0 A Section Consists control F Z M C Z	2 3	·	***************************************	***************************************	
AC100V~110V Power-supply voltage	2 3	·	***************************************	***************************************	
Power-supply voltage	2 3	·	***************************************	***************************************	
AC380V AC400V~440V 2 0 A 3 0 A	3	·	-		***************************************
AC380V AC400V~440V 2 O A 3 O A		·		***************************************	
2 0 A 3 0 A	4	·			1
3 O A		·			
		03	ŧ		
		§			
5 O A		05	ı		
Current Maximum load current 7 O A		07			
rating 100A		10			
150A		15			
2 0 0 A		20			
3 0 0 A		3 0			
Application Straight line (R:Resistance) load			R		
load Inductivity(L)load			L		
DC4~20mA				Α	
Input signal DC1~5V				С	
DCO~5V · Other input signals				Х	
Phase control 0 crossing control Manual switch and automatic operation/inclination setting		***************************************			
					1
					4
					5
Constant voltage circuit Current limiter					6
					8
With % meter X O					9
Option					Α
					В
					D
					E G
Thyristor element abnormality warning (SGR Warning) Heater disconnection warning O					1
					H
Fixed electric power control Load voltage/load current monitor output O ×					W
Standard foreign voltage (AC240V etc.)					M

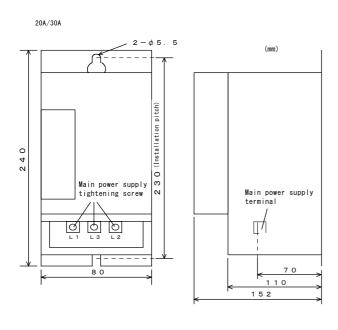
FPM-1/FZM-1Characteristic table



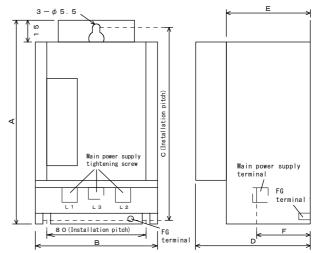


Dimensional Outline Drawings

FPM-1/FZM-1Externals dimensional drawing



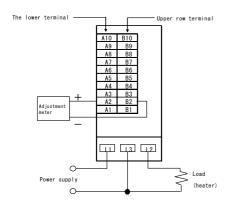




						単位:mm
	Α	В	С	D	E	F
50A	2 3 5	105	227	2 1 2	170	120
7 O A	285	105	277	2 1 2	170	120
100A	285	105	277	2 1 2	170	120
150A	3 3 5	140	3 2 7	265	223	170
200A	3 3 5	140	3 2 7	265	223	170
300A	3 3 5	140	3 2 7	265	223	170

The example of external connection

FPM-1/FZM-1Example of external connecting wires



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





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Caution in using

- 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.
- 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.

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