


PC211 SINGLE PHASE BURST FIRING POWER CONTROLLER

Features ** Low cost, compact unit ** Complete cycle burst firing ** Users select input ranges ** Adjustable cycle time ** 50 - 60Hz operation ** Fully rated at 50 Deg. C amb. temp. ** Isolated heatsink ** Fuses fitted from 40A to 100A units	Dimensions Height (H):- 15 & 25A: 152mm 40 & 55A: 230mm 65 & 75A: 280mm 100A: 340mm Width (W):- 110MM Depth (D):- 15 & 25A: 120mm 40 to 100A: 180mm	
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PC211 offers a low cost solution to control the energy of a resistive heater. A PC211 accepts most industrial standard signals, 0 to 5V, 0 to 10V and 4 to 20mA signal inputs, for remote control applications, for example, oven temperature control. Also, a pot (potentiometer) can be used to provide manual energy control. Multi-turn SPAN and ZERO pots allows users to adjust to any other input signal ranges.

The PC211 regulates the power delivered to the load by altering the number of ON/OFF complete mains supply to the loads. For example, by conducting 10 complete cycles of the mains supply to the load, then followed by 10 off cycles of mains supply, the mean output power is 50%.

The PC211 only allows complete mains cycle turn on or off which eliminates half cycle turn on and hence disturbance to the mains supply and the other users.

Specification		
Supply voltage	110V, 240V, 380V, 415V, 440V, 500V & 600V (+/- 10%)	Load current per line 15A, 25A, 40A, 55A, 75A & 100A
Supply frequency	47Hz to 63Hz	Natural cooling
Input signal	0-5V, 0-10V; 100 kilo-ohms 4-20mA; 300 ohms max.	Cycle time fast cycle: 120mS to 700mS
Logic dc	>5V - ON, <1V - OFF	at half power slow cycle: 0.8 to 5 sec.
Note: logic input: PC211 operates as solid-state relay but with complete cycle on-off for less disturbance to the mains supply.		Single cycle 80mS max.
operating temp.		0 to 50 Deg. C
Storage temp.		-10 to 80 Deg. C
Isolation		2500Vrms
input to output		

Ordering Information You are welcome to order by description or product code. For non-standard units, please contact our sales office.

PC211 - INPUT - OUTPUT VOLTAGE - OUTPUT CURRENT - 00

INPUT	CODE	SUPPLY VOLTAGE	CODE	O/P CURRENT	CODE
0-5V	11	220V	22	@@ 15A	15
0-10V	12	240V	24	@@ 25A	25
4-20mA	20	380V	38	40A	40
Logic dc	30	415V	41	55A	55
		440V	44	75A	75
		480V	48	100A	100
		500V	50		
		600V	60		
				@@ For 15A & 25A units, fuses and fuse holders are supplied separately	

FUSE HOLDER AND FUSE	ORDER CODE	
For 15A PC223, up to 600V	SF+H 15	** 2 per unit
For 25A PC223, up to 600V	SF+H25	** 2 per unit