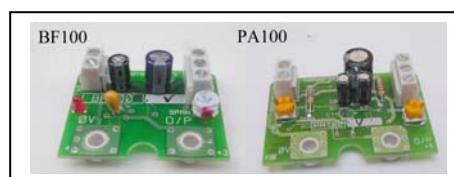


BF100 & PA100 SSR Control Modules

Features

- ◆ Burst Firing or Phase Angle Control versions
- ◆ Mount directly onto a SSR
- ◆ Remote or local control
- ◆ LED output indication for BF100



BF100 modules are time proportional, 'Burst Firing' controller for using with zero crossing solid state relays. They provide multiples of whole cycles to the load over a pre-selected period of 4 sec (standard) or fast cycle of 400 msec (suffix F). Burst Firing control is suitable for controlling long time constant loads such as heating elements. It reduces mains disturbance, both radiated and conducted interference to a minimal level.

PA100 modules are phase angle controllers for using with phase controllable solid state relays. PA100 modules control ac voltage to a load from zero to full supply voltage by controlling the conduction angle of a mains supply from 0-180 degrees according to the input signal level.

Both modules are mounted directly onto a SSR input terminals. They accept industrial standard 4-20mA or 0-10V input signals. These modules require an external 24Vac supply.

An internal 10V dc power source allows local control using a potentiometer, if required. BF100s with suffix 3 are also available for controlling a 3 phase solid state relay.

	Burst Firing	Phase Angle
Part Number	BF100	PA100
Control signal	0-10V, input impedance is 100K min. - suffix V	
	4-20mA, input impedance is 330ohm max. - suffix C	
Output	0-200 cycles	0-180 electrical degree
	0-20 cycles - suffix F	
Output voltage	10V logic signal to SSR input terminals	
Cycle time at half power	2 sec (200ms - suffix F)	
Operating frequency	47 to 63 Hz	50Hz +/-3 Hz (60Hz +/-3Hz - suffix 6)
Auxiliary supply	24Vac +/-10% max. 80mA	
Local control	10K ohm potentiometer	
input to output characteristics	Time proportional to 0-10V I/P	Phase angle linearly proportional to I/P
Operating temperature	0 to 50 deg. C	
Storage temperature	-10 to 80 deg. C	

Ordering Code

BF100V - 0-10V input	add suffix F for fast cycle time, add suffix 3 for 3 phase SSR
BF100C - 4-20mA input	add suffix F for fast cycle time, add suffix 3 for 3 phase SSR
PA100V - 0-10V input	add suffix 6 for 60Hz operation
PA100C - 4-20mA input	add suffix 6 for 60Hz operation

Example: BF100C F3 has 4-20mA input, fast cycle time, for use with a 3 phase SSR.
 PA100V 6 has 0-10V input and operates at 60Hz supply.