

PC527 Phase Angle Power Controller

Features

- * Specially designed for short wave infra-red lamp control & transformer coupled loads
- * Soft start to eliminate inrush current
- * Up to 600V supply and 100A output current
- * Auto adjust for 50Hz or 60Hz supply
- * Low cost, compact package to save space
- * High speed fuse fitted as standard, isolated heatsink
- * Optional current or voltage limit
- * Adjustable zero and span adjust
- * Voltage or mA input, user selectable



Description

The PC527 single phase Phase Angle Controller is designed for controlling loads having high inrush current, such as short wave infra-red lamps, transformer coupled loads or tungsten lamps.

The PC527 ramps up or down the output current or voltage gradually to eliminate starting inrush current. A special circuit inhibits any load current during power on. If the supply is unstable, the output is inhibited to avoid damage to the load. High speed fuses are fitted to protect switching devices from short circuits.

The PC527 is compact, robust and built to a high specification. The PC527 is also designed to meet European standards.

Specification

Supply voltage	+/-10% of specified value	Adjustable ramp	UP – 1 to 25 sec.
Supply freq.	47Hz to 63Hz	Period	Down – 0.5 to 25 sec.
Input signal	0-5V, 0-10V & 4-20mA	Operating temp.	0-50 deg. C
	User selectable	Dimension	
Current ratings	15A, 25A, 40A, 55A, 75A & 100A	15A & 25A	W: 110mm, H: 230mm, D: 130mm
		40A & 55A	W: 110mm, H: 230mm, D: 180mm
		75A & 100A	W: 110mm, H: 340mm, D: 180mm

Order Code

PC527 – INPUT – SUPPLY - OUTPUT CURRENT – OPTIONS – 00

Input	0-5V	<u>Code</u>	11	Output Current	15A	<u>Code</u>	15
	0-10V		12		25A		25
	4-20mA		20		40A		40
Supply Voltage	110V		10		55A		55
	220V/240V		20		75A		75
	380V		38		100A		100
	415V		41	Options	Voltage limit		49
	440V		44		Current limit		50
	480V		48				
	600V		60				

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