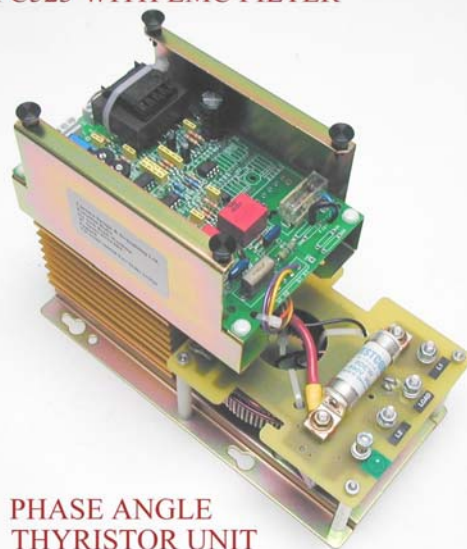


PC523 Phase Angle Power Controller with EMC Filter

Features

- * Built in EMC Filter to meet CE requirement
- * Specially designed for short wave infra-red lamp control & transformer couple loads
- * Soft start to eliminate inrush current
- * Up to 440V supply and 50A 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

PC523 WITH EMC FILTER



PHASE ANGLE
THYRISTOR UNIT

Description

The PC523 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 PC523 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 loads. High speed fuses are fitted to protect switching devices from short circuits.

EMC filter is fitted to suppress interference, which is, associated with phase angle controllers. The PC523 is compact, robust and built to a high specification. The PC523 is also designed to meet British and European standards.

Specification

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

Order Code

PC523 – 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		50A		50
	220V/240V		20	Options	Voltage limit		49
	380V		38		Current limit		50
	415V		41				
	440V		44				