

Tel: 886-2-29162151 Fax: 886-2-29174598 URL: http://www.princeton.com.tw

Fan Controller IC PT2127A

Description

PT2127A is a high performance electronic fan controller LSI. Speed control, off-timer, rhythm wind, sleep mode, head swing and/or light control are all built into a single chip. Indicator LED output, buzzer output and key control input are also provided to build a full function electronic fan having the highest performance with the least external components. Furthermore, the pin assignments and application circuit of PT2127A are optimized for easy PCB layout and cost saving for electronic fan application.

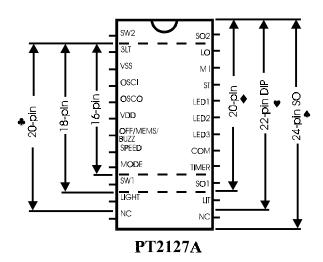
Features

	High Performance CMOS Technology
	Low Power Consumption
	DIP or SO package (22 pin SO not available)
	Up to 3 Dependent/Independent Swing-Head/Light Output
	Available in 16, 18, 20, 22, 24 Pin Package for None, One Set or Two Sets of Swing-Head and/or
	Light Control
	90 Seconds Cycle/6 Seconds per Step (Off Step 3 Seconds) Rhythm Wind Pattern
	Optional Independent Light Control Output
	Four Operation Modes: Ordinary, Rhythm, Ordinary Sleep and Rhythm Sleep
	Memory Start-up Mode
	3 or 4 Levels Timer
	2~3 Seconds Middle Wind Start-up (Mask Option)
A	pplications
	Optimized for fan application
	Suitable for heater fan
	Cooling fan
	Other home appliances with timer and/or output level control

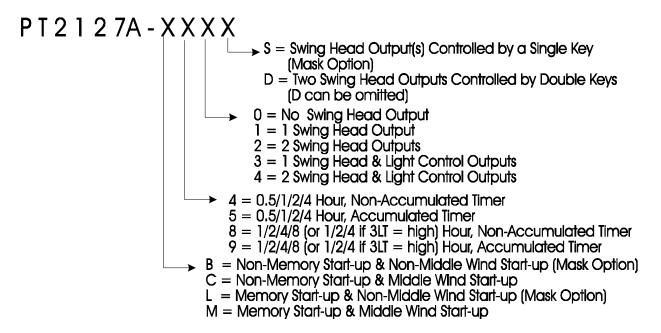
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Pin Configuration



Ordering Information



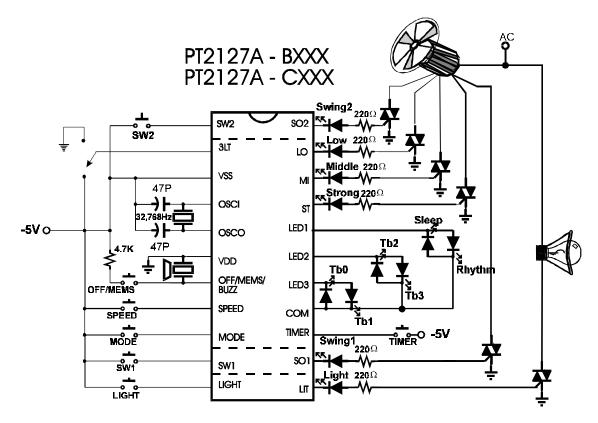
Note: PT2127A Standard ICs: PT2127A-C80, PT2127A-C81, PT2127A-C82, other options are available upon request and require a minimum order quantity. Please contact PTC for details.

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Application Circuits

IC Non-Memory Start-Up

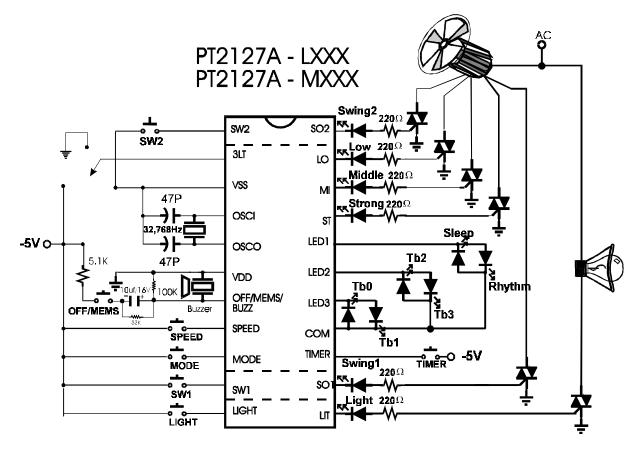


Note: Swing Head 1 = Controlled by SW1 Swing Head 2 = Controlled by SW2 3 Level Timer : 3LT Pin Pulled High 4 Level Timer : 3LT Pin Pulled Low

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Memory Start- Up



Note: Swing Head 1 = Controlled by SW1 Swing Head 2 = Controlled by SW2 3 Level Timer : 3LT Pin Pulled High 4 Level Timer : 3LT Pin Pulled Low