

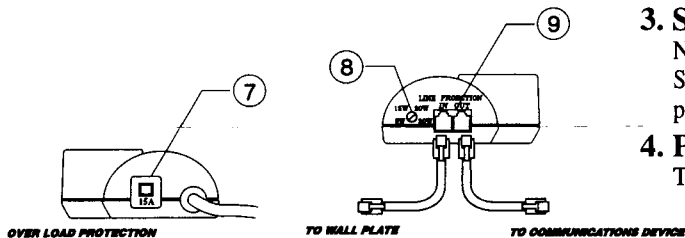
Power Guard Smart user's manual

Specifications

Receptacles	American type
Rated input voltage	100V~140VAC,60HZ
Rating output current	15AMPS MAX.
Power ration	1800VA
Cord length	6FT Power cord American type plug
Surge protector energy rating	280Joules (560 Joules for PAM-102)
Initial clamping	175V AC RMS
Maximum spike capacity	9,000(13,000 AMPS for PAM-102)
Modes protected	Line to Neutral, Line to Ground, Neutral to Ground
EMI/RFI Noise Filtration	99% removed from 100KHZ to 1MHZ
Response time	Instantaneous,<1 nanosecond
Over load protect timing	Over load 200%, 4~10 SEC
Outlet Function	One master socket always ON, seven slave sockets
LED indicator	Green led indicator-protection working Red led indicator-site wiring fault Yellow led indicator-slave socket ON/OFF
Current switch	at 200% rated current 250VAC 30,000 life cycles, reset time 1.5 sec-30 sec, trip time 0.5-4 sec.
Enclosure	Durable Plastic Housing
Dimention	364x99x42.5 mm(LxWxH)
Weight	0.19 kgs

Now you can automatically turn on or off your peripherals with your computers main power switch. Just turn on your computers as you normally would-Power Guard's PowerMinder circuit sends an "on" signal to the other power sockets which will automatically switch on any plugged-in peripherals i.e. monitor, printer, modem, and scanner etc. When you're finished-just turn off the computer. PowerMinder sends an "off" signals to the other power sockets, turning off any attached peripherals.

PowerGuard smart with built-in PowerMinder technology prevents you from accidentally leaving on your monitor and other peripherals while the computer is not being used. Saves time, money and wear and tear on your equipment.



3. Site Wiring Fault LED

Normally the **Site Wiring Fault** LED should be kept off. If the red Site Wiring LED is lighted up, it means the wiring of peripheral power cords plugged in was fault or it may be plugged in reversely.

4. Peripherals LED

This LED shows you if the other peripherals socket power on or off.

5. Master Power Sensor Socket

The master power sensor socket is applied for the master controllers, such as personal computer or electrical amplifier etc. It was connected with a controlling sensor circuit to start a switching relay for the other peripheral sockets power on or off.

6. Peripheral Power Sockets

The peripheral power sockets is applied for all peripherals, such as printer, monitor, scanner, modem, external hard disk drive or CD ROM etc. and can be controlled by master power sensor socket.

7. Over Load Protection

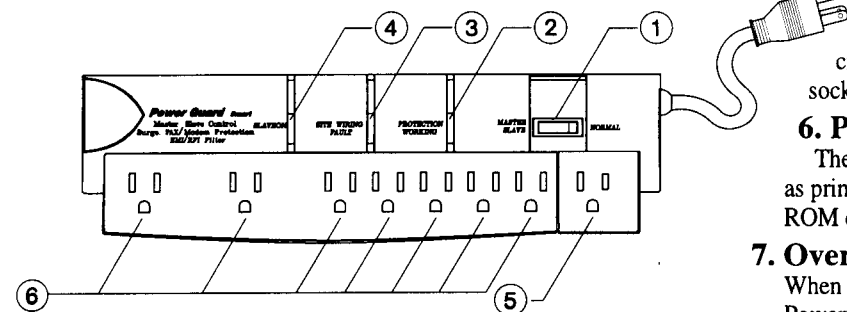
When the peripherals power consumption applied to the PowerGuard is over the specified load limitation a circuit breaker will automatically break out to protect itself and equipment plugged. To decrease the load you plugged in and press the push button to reset the circuit breaker again.

8. MPCP Setting Knob

This is a knob for setting up minimum power controlling point (called MPCP) It allows you to decide when the remote controlling point should be started. For the computer or the audio system application, normally turns the MPC to '8W' position. If you want to have the remote peripherals power turns off during the computer turns to the green power, you may turns the MPCP knob clockwise until the peripherals LED turns off.

9. Line Protection(For model PAM-103)

Some model of PowerGuard Smart is equipped with line surge protection which allows your Fax/Modem/Telecommunication device not damaged by accidental surge. Plugs in the line to the 'IN' jack and the device to the 'OUT' jack then the device will be protected.



1. Switch Modes

The main switch of PowerGuard smart provides two functional modes. One is **Normal** mode which allows all sockets of PowerGuard smart to be kept always on. Another is **Remote Control** mode which allows users to remotely all the peripherals' sockets power on or off from the main switch of PC-plugged in **Master Power Sensor socket**.

When the PC power is turned off, the PC power consumption decrease down beyond the minimum power controlling point (MPCP). In this moment the master sensor socket starts a switching relay to turn off all the other power of peripheral's sockets. On the contrary when PC comes back, the power consumption of PC is increased up beyond the minimum power controlling point. Then the master sensor socket starts a switching relay to turn on all the other power of peripheral's sockets.

2. Protection working LED

When the Power Guard Smart was plugged to the main power outlet, the green Protection Working LED will be lighted up. In this moment all the PowerGuard smart protections are normally working.