



Option:  
(1) 5-15R Pigtail 

# Guardian

## ELECTRONIC POWER CONDITIONER

### Computer-Grade Filtering Prevents downtime due to power issues

The Guardian is a computer-grade filter and complete power filter solution for point of sale (POS) systems and peripherals.

The Guardian provides clean power by eliminating spikes, surges, and line noise, and is the ideal solution for protecting virtually any point of sale, digital signs, computers, telephones, and network equipment in any environments.



#### What it does

- Reduces downtime (blue screens, frozen screens, "no problem found" service calls)
- Prevents data loss from system crashes
- Protects your investment
- Increases customer satisfaction
- Protects Telephone/Modem/Network

#### Applications



#### Protection against...

- High voltage surges & lightning
- Low voltage transient noise
- Prolonged over voltage
- Ground loops

#### Benefits

- Increase uptime
- Save money on power related service calls
- Improve business productivity
- Systems operate as intended
- Protected equipment lasts longer
- GFCI Compatible - It won't disable GFCI safety feature



If the Smart Power Systems equipment fails and this failure allows a surge to pass through and damage the connected equipment, Smart Power Systems will pay for the repair or replacement of the connected equipment up to \$25,000.

**SmartPower**  
SYSTEMS

A POWER QUALITY COMPANY

# Guardian

## ELECTRONIC POWER CONDITIONER



### What is TBF™ Technology?

A Transformer-Based Power Filter, or TBF™ for short, is a revolutionary, patented technology that is embedded in every Smart Power System power protection device. Simply put, TBF™ is the most effective technology for regulating power so that issues like power spikes, surges and noise do not affect the ability of your equipment to operate properly.

### Benefits

Smart Power Systems' TBF™ technology eliminates power issues that cause disruption, degradation and destruction to electronic components. Benefits include enhanced operation, reduced downtime and extended operating life.

### Performance Factors

- ▶ Common Mode Noise Filtering to less than 0.5 Volts
- ▶ Normal Mode Noise Filtering to less than 10 Volts
- ▶ Faulty Wiring Detection
- ▶ Surge Protection
- ▶ Prolonged Over Voltage Protection
- ▶ Correct Harmonic Distortions (Model Dependent)
- ▶ Compatible with GFCI circuit

### Features

- ▶ High voltage surge & lightning protection  
Stops dangerous surges from damaging POS terminals and other microprocessor-based electronics. (US Patent #6229682)

Smart Power Systems is the first and only one to offer the following patented features:

- ▶ Low voltage spike & noise protection in common mode (US Patent # 6229682)  
Filters down to 0.5 Volts and stops disruptions of electronics
- ▶ "POVP™" prolonged over voltage protection (US Patent # 6560086)  
Protects connected equipment against destructive over voltage.
- ▶ Identifies Bad Wiring (US Patent # 5721661)  
Exclusive Smart Technology protects connected equipment against reverse polarity or no ground, making the Guardian Fail-Safe.
- ▶ Smart Ground for Ground Loop Protection (Patent Pending)  
Ground loops can cause data errors, component failures and safety hazards.
- ▶ Network RJ45 Protection
- ▶ Phone Line RJ11 Protection

### Specifications

	TBF15P-1121TN	TBF15P-1121TNWM**	TBF15P-1111TN	TBF15P-1111TN-IEC
INPUT/OUTPUT	120V			
OUTPUT CURRENT	15 Amps			
OUTPUT RECEPTACLE	(2) 5-15R		(1) 5-15R Pigtail	(1) IEC Pigtail
INPUT CORD AND PLUG	5-15P - 6 Feet			
TEL / FAX / MODEM / DSL / NETWORK	RJ11 + RJ45			
*SPIKE TRANSIENT LET THROUGH VOLTAGE (Common Mode)	<b>&lt;0.5 Volts</b>			
*SPIKE TRANSIENT LET THROUGH VOLTAGE (Normal Mode)	<b>&lt;10 Volts</b>			
SIZE (H x W x D) (In.)	6.25 X 4.5 X 1.75			
NET WEIGHT (Lbs. / Kg.)	2.05 / 1.14			
SAFETY	UL 1449 3rd. Edition, UL 991, UL1283			

\* Tested under IEEE C62.41 Cat.A & B Ring wave  
 • Different models are available for 120V, 208V, 15 Amp or 20 Amp.  
 All specifications are subject to change without notice.

\*\*Wallmount

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A POWER QUALITY COMPANY

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