COMPUTER GUARDIAN

ELECTRONIC POWER CONDITIONER

TBF™
TRANSFORMER BASED FILTER

TRANSFORMER BASED FILTER

DIGITAL SMART TBF™

COMPUTER GUARDIAN

Computer-Grade Filtering

Thank you for purchasing this Computer Guardian. Smart Power Systems is dedicated to developing and manufacturing the highest performance power protection and filtration devices for your electronic equipment. Proper use of this device will provide the protection needed for your connected equipment.

SmartPower™ *SYSTEMS*

A POWER QUALITY COMPANY

Use this user's guide for the following products:

MODEL / PART NUMBER	DESCRIPTION
TBF15P-1120	120V/15A, two 5-15R outlets
TBF15P-1121TN	120V/15A, two 5-15R outlets, RJ11 + RJ45
TBF15P-1111TN	120V/15A, one pigtail 5-15R outlet, RJ11 + RJ45

CAUTION
• Use only in dry locations indoors.
• Avoid dropping the unit.
• Only plug the **Computer Guardian** into a three pronged grounded outlet. This unit is not to be used with any type of ground "lift" or pin eliminator.
• Do not open the **Computer Guardian** unit, there are no serviceable parts inside. Opening the unit will void your warranty.

CAUTION
This device features an internal protection that will disconnect the surge protective component at the end of its useful life but will maintain power to the load now unprotected. If this situation is undesirable for the application, follow the manufacturer's instructions for replacing the device.

CAUTION
Do not install this device if there is not at least 10 meters (30 feet) or more of wire between the electrical outlet and the electrical service panel.

CAUTION
Risk of Electric Shock. Do not plug into another relocatable power tap.

ATTENTION
•• Utiliser uniquement dans des endroits secs à l'intérieur.
• Évitez de faire tomber l'appareil.
• Brancher le **Computer Guardian** en trois volets prise de terre. Cette unité ne doit pas être utilisé avec tout type de terrain "ascenseur" ou broches éliminateur.
• Ne pas ouvrir l'unité **Computer Guardian**, il n'y a pas de pièces réparables. Ouverture de l'unité annulera votre garantie.

ATTENTION
Cet appareil dispose d'une protection interne qui va déconnecter le composant de protection contre les surtensions à la fin de sa vie utile mais se maintenir au pouvoir à la charge maintenant sans protection. Si cette situation est souhaitable pour l'application, suivez les instructions du fabricant pour le remplacement de l'appareil.

ATTENTION
Ne pas installer cet appareil si il n'y a pas au moins 10 mètres (30 pieds) ou plus de fil entre la prise électrique et le panneau de service électrique.

ATTENTION
Risque de choc électrique. Ne branchez pas dans une autre puissance robinet délocalisables.

FEATURES
Modem & Data Protection (model dependent)
Protection is extended to your phone and network lines with the addition of RJ11 and RJ45 jacks on the **Computer Guardian** unit, creating ideal protection for Fax/Internet/Network users. Power surges can pass to the connected equipment through phones lines and network cables.

**If you have any questions call us at our Tech Support line toll free
1-800-772-7633 or email us at support@smartpowersystems.com**

Installation of TBF™

1. Turn off and un-plug equipment to be protected from wall outlet.
2. Plug the equipment into the **Computer Guardian** unit.
3. Plug the **Computer Guardian** unit into grounded wall outlet.
4. Your equipment is now fully protected. Place the **Computer Guardian** where monitoring lights can be observed.

Installation for Protection for Telephone Line

TELEPHONE
1. Unplug the equipment's telephone cable from the wall jack and plug into the RJ11 "DEVICE" on the **Computer Guardian**.
2. Plug the provided telephone cable to the RJ11 jack "LINE" on the **Computer Guardian**.
3. Plug the other end of the telephone cable into the RJ11 wall jack.

CAUTION: - Never install telephone wiring during a lightning storm.
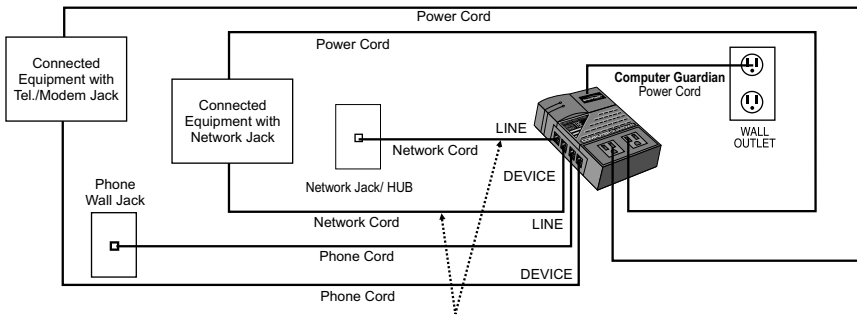   - Disconnect telephone line at the network interface before installing the secondary protector.
              - Intended for indoor use only.
Telephone Line Protection clamping voltage 250-350 vdc.

Installation for Protection for Network Cable

NETWORK
1. Unplug the equipment's network cable from the wall RJ45 network jack and plug into the RJ45 "DEVICE" on the **Computer Guardian**.
2. Plug the provided CAT5 cable to the RJ45 jack "LINE" on the **Computer Guardian**.
3. Plug the other end of the CAT5 cable into the wall RJ45 network jack. Your equipment is now fully protected. Place the **Computer Guardian** where monitoring lights can be observed.

Use the Standard CAT 5 Network Patch cord when using the Network protection RJ45 circuit.

GREEN LIGHT - The green light confirms properly the connected equipment is fully protected.

RED LIGHT - The RED light indicates over voltage, improper ground connection or reversed power wires which needs to be corrected. In an over voltage incident, power is disconnected to protect the connected equipment.
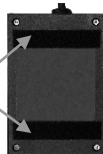**IMPORTANT**: If the RED Light comes on, contact your electrician to inspect and correct the outlet wiring in order to receive the maximum protection for your connected equipment.

The label on the security strap is permanent and warning: to unplug the unit will cause the label to tear out and void the warranty.

DO NOT REMOVE

STRAP FOR PIGTAIL RECEPTACLE

NOTE: Model TBF15P-1111TN comes with security straps, warning label and Velcro™ to secure unit to connected equipment.

Provided with Velcro™ strips

IMPORTANT: Velcro™ strips are provided so the **Computer Guardian** can be attached to your equipment when needed. Do not place Velcro™ over label.

BACK OF UNIT

IMPORTANT: The Computer Guardian is designed to be compatible with a GFCI (Ground Fault Circuit Interrupter), however, during plug in the GFCI might trip. Press the reset button to restart the circuit.
Note: Do Not plug more than 3 Computer Guardian products to a circuit that has a GFCI circuit breaker or GFCI wall outlets.

TRANSFORMER BASED FILTER (TBF™)

Considered to be one of the most significant developments in the power protection industry. TBF™ Filters contain innovative technology that combines Surge Suppression and Noise Isolation which filters the noise on the ground to less than 0.5 Volts (US Patent # 6229682). Exclusive "POVP" Prolonged Over Voltage Protector (US Patent # 6560086) disconnects the output power if voltage exceeds 155 volts. Exclusive Smart Technology (US Patent #5721661) protects microprocessor based equipment against reverse polarity or no ground. The patented TBF™ filters prevent 90% of the power problems experienced by your POS system, computer, copier and facsimile machine.

OTHER POWER PROTECTION PRODUCTS

LINE CONDITIONERS
Reduces the need for a dedicated line where voltage on ground is present. This transformer isolation technology is an option to expensive rewiring where poor wiring conditions exist on older or renovated buildings.

AUTOMATIC VOLTAGE REGULATOR - AVR SERIES
Regulates the voltage to protect equipment against voltage sags and brownouts. Electronic systems are designed to operate based on a clean and constant supply of AC voltage. Smart Power Systems' AVR line provides boost & buck capability to eliminate under or over voltage fluctuations.

UNINTERRUPTIBLE POWER SUPPLIES - UPS SERIES
Smart Power Systems' Uninterruptible Power Supplies (UPS) integrated TBF™ Technology provide on-line power conditioning.

WARRANTY

Limited Lifetime Warranty
All **Computer Guardian** Filters Series are guaranteed free of defects in material or workmanship for the life to the original purchaser --or, they will be repaired or replaced free of charge. See our website for more details - www.smartpowersystems.com

$25,000 Connected Equipment Warranty
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 of the original purchaser . See our website for more details - www.smartpowersystems.com

IMPORTANT

If for any reason you need to return the **Computer Guardian** unit to the manufacturer, you should obtain an RMA (Return Material Authorization) number before returning the unit. To request an RMA number please call 1-800-772-7633 or visit the website at www.smartpowersystems.com/main/rma.htm

SmartPower™
SYSTEMS
A POWER QUALITY COMPANY

c **UL** us
LISTED
UL 1449 **3rd. Edition** Listed

1760 Stebbins Drive - Houston, Texas 77043 - Tel:(713)464-8000 - Fax:(713)984-0841
E-mail: support@smartpowersystems.com - www.smartpowersystems.com **1-800-882-8285**