



PROTECT



Owner's Manual

Welcome

Thank you for purchasing purePower PROTECT. We encourage you to read through this Owner's Manual before moving forward with the installation process.

If you have any questions or concerns, please visit www.GreenTechEnv.com

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Warnings

1. Opening the unit without prior permission from GreenTech Environmental will void its warranty coverage. Contact your purePower Dealer with any questions.
2. Apply this unit to 250VAC 50/60 Hz 1-Phase residential load only.
(120VAC Line to Neutral)
3. The unit must be mounted vertically using the four mounting holes.
4. The unit must be installed by a licensed electrician in compliance with local electrical code.
5. **This unit must be connected directly to a dedicated 2-pole 20 AMP circuit breaker. Do not, under any circumstances, hard-wire install without a dedicated breaker.**
6. Do not install on 3-Phase Systems.

You Will Need

1. A dedicated 2-pole 20 AMP circuit breaker.
2. Appropriate tools, including conduit.

NOTE: (Conduit & Nut included. 1/2 Straight Connector. 1 - 20" Conduit.)

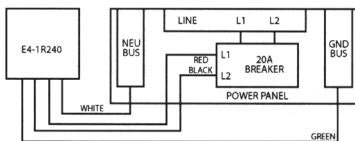
3. A licensed electrician for installation.

Mounting purePower PROTECT

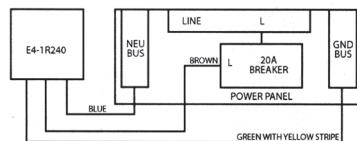
1. Inspect the exterior of the unit to ensure that it has not been damaged in transit. Ensure that the front label is intact and that the wires protruding from the unit have not been damaged.
2. Mount the unit to a wall near the power panel. Lengthening of the wires to accommodate mounting the unit further away from the panel than the current wiring allows may be necessary. As a general rule, the length of the wires should be kept as short as possible and electricians should follow standard electrical code regarding adding wire to the unit. When mounted, the indication lights should be visible.
3. Run conduit (according to code) between the conduit connector on the box, and the power panel, and feed the connection cables through the conduit into the power panel.

Installation Procedures

1. If possible, de-energize the power panel prior to connection of the unit.
2. Install the circuit breaker onto the power panel.
3. Connect the L1 (RED) and the L2 (BLACK) wires to the circuit breaker, the Ground Cable (GREEN) to the ground bus, and the Neutral Cable (WHITE) to the Neutral Bus, as shown in the diagram below.



US/CANADIAN INSTALLATION



INTERNATIONAL INSTALLATION

Test Procedures

1. Energize the Power Panel.
2. Close the Circuit Breaker leading to the unit.
3. Check in Line 1, Line 2, and Power Lights are on. If not, de-energize the unit and ensure proper wire connections.

NOTE: For International Appliances, only 1 Indicator Light may be on.

4. Check the Power, Ground, and Neutral Wire Connections.
5. Keep these instructions near the unit for future use.

Troubleshooting

1. In the event one or both of the "LINE" LEDs are not on, check the breaker. This indicates power from one or both of your power lines is not getting to the unit.
2. If one or both of the "MOV" LEDs are not on, your unit has encountered a surge and has been damaged. Please go to www.GreenTechEnv.com and request a warranty replacement.

Specifications & Ratings

VOLTAGE: 250 V AC, 1-Phase, 50/60Hz

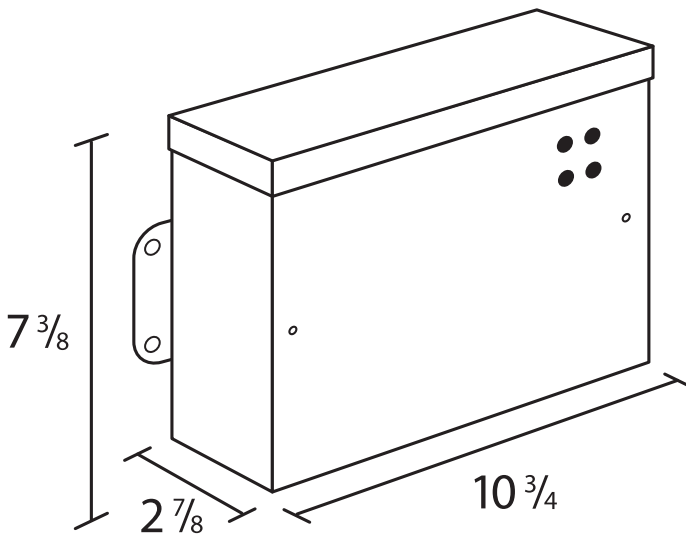
CONFIGURATION: 2-Wire Plus Ground and Neutral

CAPACITANCE: 30 μ f

LINE CURRENT: 3.77 A at 250V AC

KVAR RATING: .6 at 250V AC

Dimensions



purePower PROTECT

Limited Warranty & Equipment Protection Coverage

10 Year Limited Warranty

Your purePower PROTECT ("UNIT") is warranted by GreenTech Environmental ("GTE") to be free from all defects in material and workmanship in normal residential use for a period of ten (10) years from the date of purchase. This warranty is granted only to the original purchaser ("BUYER") and is subject to the following provisions.

If UNIT is damaged by a power surge or fails to work ("MALFUNCTION") within ten (10) years of purchase, GTE will, at its sole discretion, repair or replace UNIT. As a matter of warranty policy, GTE will not refund the BUYER's purchase price.

This warranty covers damage caused by a power surge, defined as an electrical transient or spike on the AC power lines, including those caused by indirect lightning, subject to the EXCLUSIONS herein.

The above remedy is the sole remedy under this warranty, whether based on contract, tort, including negligence or otherwise. Unless this warranty is expressly renewed or extended by GTE, any repaired or replaced part of UNIT shall be warranted to the original purchaser only for the length of the unexpired portion of the original warranty.

EXCLUSIONS: Warranty is void if UNIT is determined by GTE, at its sole discretion, to have been: **(a)** subjected to improper storage, installation, operation, accident, abuse or negligence of any part other than GTE; **(b)** damaged due to a direct lightning strike or sustained overvoltage condition; **(c)** installed by anyone other than a contractor insured to perform electrical installations; **(d)** installed or serviced in a manner other than according to the manufacturer's instructions; **(e)** out of working order immediately prior to the EVENT or MALFUNCTION.

\$100,000 Equipment Coverage

Subject to the provisions detailed below, GTE guarantees to BUYER that UNIT will protect connected residential electrical equipment from a power surge or spike ("EVENT") originating from your electrical utility or your local electrical system, subject to the EXCLUSIONS herein. If UNIT fails to protect said equipment, GTE will cover the repair or replacement cost, at GTE's sole discretion, up to \$2,500 per item damaged and no more than a total of \$100,000 per event.

This coverage applies only to the BUYER of a new unit and is non-transferable. Coverage is secondary to any insurance, warranties, or other coverages in effect at the time, including the BUYER's homeowner's insurance policy. If a submitted claim is determined by GTE, at its sole discretion, to be valid, GTE will pay up to the deductible of the homeowner's insurance or the cost of the damage, whichever is less. Coverage is limited to ten (10) years from the original purchase of UNIT.

EXCLUSIONS: Coverage does not apply to equipment that is determined by GTE, at its sole discretion, to have been: **(f)** damaged by an act of God or subjected to improper storage, installation, operation, maintenance, accident, misuse, abuse or negligence of any part other than GTE; **(g)** damaged due to a direct lightning strike or sustained overvoltage condition; **(h)** disconnected from the electrical system protected by UNIT at the time of the EVENT; **(i)** lacking valid UL® or CSA® approval; **(j)** intended or used for commercial purposes or in a commercial environment. **(k)** intended or used for life support, medical equipment, or home security. **(l)** This coverage does not cover reimbursement for labor, transportation, gaining access, removal, installation, temporary power, or any other expenses which may be incurred in connection with repair or replacement of UNIT or damaged equipment.

REGISTRATION: BUYER must register their UNIT with GTE within thirty (30) days of purchase. BUYER should visit <http://www.GreenTechEnv.com/warranty> or call +1 (800) 957-1136 and provide all required information.

Failure to register UNIT within thirty (30) days voids warranty and coverage detailed herein.

FILING A CLAIM: Call +1 (800) 957-1136 to notify GTE within thirty (30) days of the EVENT or UNIT failure. BUYER must provide, via email or postal mail, their full name, complete address including zip-code (no PO boxes allowed), dated proof of purchase for UNIT and any damaged electrical equipment involved in the claim, a letter explaining the EVENT or UNIT failure, a copy of any insurance claim affecting UNIT or damaged equipment with detailed information regarding the damaged items and the cost of repair or replacement. GTE has the right to inspect UNIT, the electrical system in which UNIT was being used, and any damaged electrical equipment involved in the claim. Before shipping anything to GTE, BUYER must contact GTE to obtain a Return Merchandise Authorization ("RMA") number. The RMA number must be clearly written on any shipments before their arrival at GTE. BUYER is responsible for all shipping costs incurred in relation to a claim. **Failure to initiate a claim within thirty (30) days of the EVENT or UNIT failure voids warranty and coverage detailed herein.**

IN NO EVENT SHALL GTE BE LIABLE FOR SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES. GTE GRANTS NO OTHER COVERAGE OTHER THAN THAT PRESENTED HEREIN, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF EXPRESS OR IMPLIED WARRANTIES, SO THIS ABOVE EXCLUSION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES ARE LIMITED IN DURATION TO THE LIMITED WARRANTY PERIOD. SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND/OR EXCLUSIONS MAY NOT APPLY TO YOU. NOTHING IN THIS COVERAGE DOCUMENT AFFECTS ANY STATUTORY RIGHTS OF CONSUMERS THAT CANNOT BE WAIVED OR LIMITED BY CONTRACT. THIS COVERAGE GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION. THIS LIMITED WARRANTY AND COVERAGE SHALL BE GOVERNED BY THE LAWS OF THE STATE OF TENNESSEE, U.S.A. COVERAGE IS EFFECTIVE JANUARY 1, 2017 AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



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