



TJERNLUND PRODUCTS, INC.

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RELAY/TIMER PART NUMBER 950-0014 24/24 VAC NON-ADJUSTABLE RELAY/TIMER

**OWNERS INSTRUCTIONS
 THESE INSTRUCTIONS MUST REMAIN
 WITH EQUIPMENT
 DO NOT DESTROY**

**ALWAYS FOLLOW HEATER
 MANUFACTURER'S INSTRUCTION
 FOR PROPER OPERATION OF
 HEATER AND RELIGHTING OF PILOT**

READ INSTRUCTIONS CAREFULLY

PART #950-0014 INSTALLATION INSTRUCTIONS

24/24 VAC INPUT APPROX. 45 SECOND
 NON-ADJUSTABLE POST-PURGE RELAY/TIMER

▲ WARNING

- A) Disconnect 115 VAC Power from the Power Venter before continuing.
- B) All wiring from the Power Venter to the appliance must be appropriate class 1 wiring as follows: installed in rigid-metal conduit, intermediate metal conduit, rigid non-metallic conduit, electrical metallic tubing, Type MI Cable, Type MC Cable or be otherwise suitably protected from physical damage.

REPLACEMENT OF DEFECTIVE RELAY/TIMER

1. Remove the electrical box cover of the Power Venter.
2. Place the replacement Timer next to the defective Timer located in the Power Venter electrical box.
3. One by one, remove the wires from the defective Timer and connect them to the corresponding number on the replacement Timer.
4. Remove the defective Timer from the electrical box by pulling Timer up and off of mounting tabs.
5. Position new Timer over the 4 mounting studs and push down onto mounting tabs until Timer is secured into place.
6. If the defective Timer failed within the 1 year warranty period, you may return it along with proof of purchase to the Tjernlund Distributor it was originally purchased from for a full refund.

WIRING

The #950-0014 Relay/Timer may only be used to replace the 24 VAC input #950-0014 Relay/Timer. The #950-0014 is designed to accept only 24 VAC control input signals. The control inputs are non-polarity sensitive, meaning that it does not matter which terminal receives the 24 VAC “hot” and which terminal receives the 24 VAC “com”.

The output or motor switching side of the #950-0014 has three terminals. Viewing the Relay/Timer as depicted in diagram “A”, L1 or the 115 VAC “hot” power lead is attached to terminal L1. White or the 115 VAC neutral/return lead is attached to terminal L2 and the Black or 115 VAC “hot” motor lead is attached to terminal M-LOAD. **NOTE:** In order for the timer to operate after appliance shutdown, terminals L1 and L2 must be powered continuously with 115 VAC.

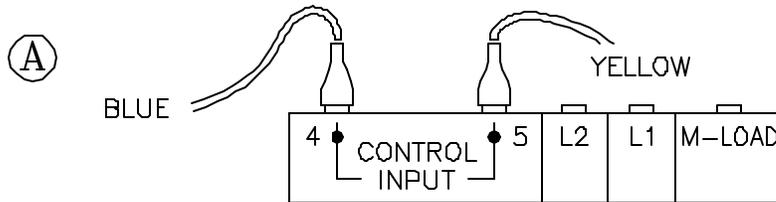
ELECTRICAL RATING

The M-LOAD and L2 115 VAC contacts are rated for 1/4 H.P. @ 115 VAC.

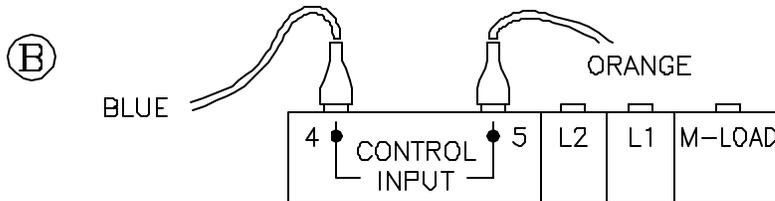
REPLACEMENT WIRING CONNECTIONS

NOTE: When power is first established to the Relay/Timer, it may automatically reset into post purge. After the venter operates for approximately 45 seconds it will shut off and be ready for normal operation.

If you are replacing the Relay/Timer of a **VP-2** or **VP-3**, connect the control input voltage as shown in diagram “A”.



If you are replacing the Relay/Timer of any **GPAK-JT/GPAK-1T/GPAK-1TR** connect the control input voltage as shown in diagram “B”.



After new Relay/Timer is installed, run appliance and power vent system through a couple of heating cycles to verify proper operation.

If you have any questions regarding installation, please contact our Customer Service Department by calling: 1-800-255-4208, Monday-Friday, 7:30-4:30 CST.

TJERNLUND LIMITED ONE YEAR WARRANTY

Tjernlund Products, Inc. warrants to the original purchaser of this product that the product will be free from defects due to faulty material or workmanship for a period of (1) year from the date of original purchase or delivery to the original purchaser, whichever is earlier. Remedies under this warranty are limited to repairing or replacing, at our option, any product which shall, within the above stated warranty period, be returned to Tjernlund Products, Inc. at the address listed below, postage prepaid. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF, AND TJERNLUND PRODUCTS, INC. EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF THIS PRODUCT. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND NO AGENT IS AUTHORIZED TO ASSUME FOR US ANY LIABILITY ADDITIONAL TO THOSE SET FORTH IN THIS LIMITED WARRANTY. IMPLIED WARRANTIES ARE LIMITED TO THE STATED DURATION OF THIS LIMITED WARRANTY. Some states do not allow limitation on how long an implied warranty lasts, so that limitation may not apply to you. In addition, some states do not allow the exclusion or limitation of incidental or consequential damages, so that above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from State to State. Send all inquiries regarding warranty work to Tjernlund Products, Inc. 1601 9th Street, White Bear Lake, MN 55110-6794. Phone (651) 426-2993 • (800) 255-4208 • Fax (651) 426-9547. • Email: fanmail@tjfans.com