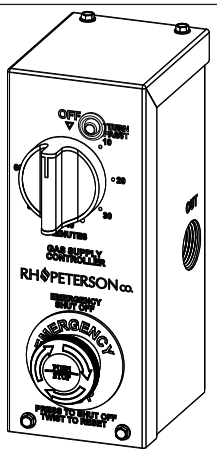
RH PETERSON CO.

Commercial Gas Emergency Stop & Electric Timer

Model # 5550-110G
5555-110G



(Model 5550-110G shown here)

⚠ WARNING: For Outdoor Use Only.
Installation and service must be performed by an NFI certified or other qualified professional service technician.

INSTALLER: Leave these instructions with consumer.
CONSUMER: Retain for future reference.

INSTALLATION REQUIREMENTS

Observe all local codes and ordinances when installing this commercial gas controller. If no local codes are applicable, installation MUST be in accordance with the latest National Fuel Gas Code ANSI Z223.1/NFPA54, or the Natural Gas & Propane Installation Code, CSA B149.1, and the latest National Electric Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1, as applicable. Installation must be performed by a qualified professional service technician. Your individual installation may vary.

- Commercial control MUST be installed at a minimum distance of 6 feet away from the appliance that it is easily accessible for gas/electrical connection, maintenance, and service.
- Ensure control is at a minimum height above ground that meets all local codes and is out of reach of children.
- A waterproof, outdoor-rated conduit that meets all local code requirements is required for installation for electrical and gas connections.
- Use any appropriate hardware for your application, provided it complies will all local codes, ordinances, the latest National Electrical Code and National Fuel Gas Code requirements.

Specifications

- Maximum working pressure not to exceed 1/2 P.S.I.G. Must use appropriate sized gas pressure regulator required for this application.
- Maximum ambient operating range: from -20° F (-29° C) to 175° F (79° C).
- Electrical supply must be rated for 110~120VAC.

MODEL	MAX BTU		W.C.	
	Nat.	L.P.	Nat.	L.P.
5550-110G	200,000		7"	11"
5555-110G	500,000		7"	11"

Table 1 - BTU and W.C. data

Gas Supply Plumbing

This control is designed to be mounted externally onto a wall's stable surface. Gas supply can be installed through direct hard-lined or flexible gas supply plumbing either in-wall or external wall routing. For internal gas supply plumbing, the gas pipe or flexible line must extend beyond the finished wall surface in accordance with all local code applicable to your installation set up.

- **TURN OFF THE GAS SUPPLY TO THE INSTALLATION LOCATION.**
- This control MUST NOT be used as the primary gas supply shut-off valve and MUST be installed in-line between the required primary gas supply shut-off valve and the gas appliance.
- Use pipe joint compound resistant to all gasses on all NPT fittings. Be sure to leak test at all connections.
- It is recommended to install an additional shut-off valve before the unit.

Electrical Setup

Note: **All electrical components are pre-wired for this outdoor commercial gas control.** Follow the requirements below for electrical installation as necessary for your installation.

Important: **Electrical setup and installation of these outdoor commercial controls MUST be performed by a licensed electrician.**

- **TURN OFF THE MAIN ELECTRICAL SUPPLY TO THE INSTALLATION LOCATION.**
- Electrical supply must be rated for 110~120VAC.
- Electrical wiring not supplied; use appropriate size copper conductors only for your application.
- **Check that the control device type and rating are suitable for the appliance to be controlled.**

IMPORTANT: USE COPPER CONDUCTORS ONLY. DO NOT TIN CONDUCTORS. **TAKE CAUTION THAT THERE ARE NO STRAY WIRE STRANDS.**

PRODUCT DIMENSIONS

MODEL	Width (A)	Depth (B)	Height (C)
5550-110G	3 1/4"	5 3/4"	9"
5555-110G	3 3/4"	6 3/4"	9"

Table 2 - Dimensions

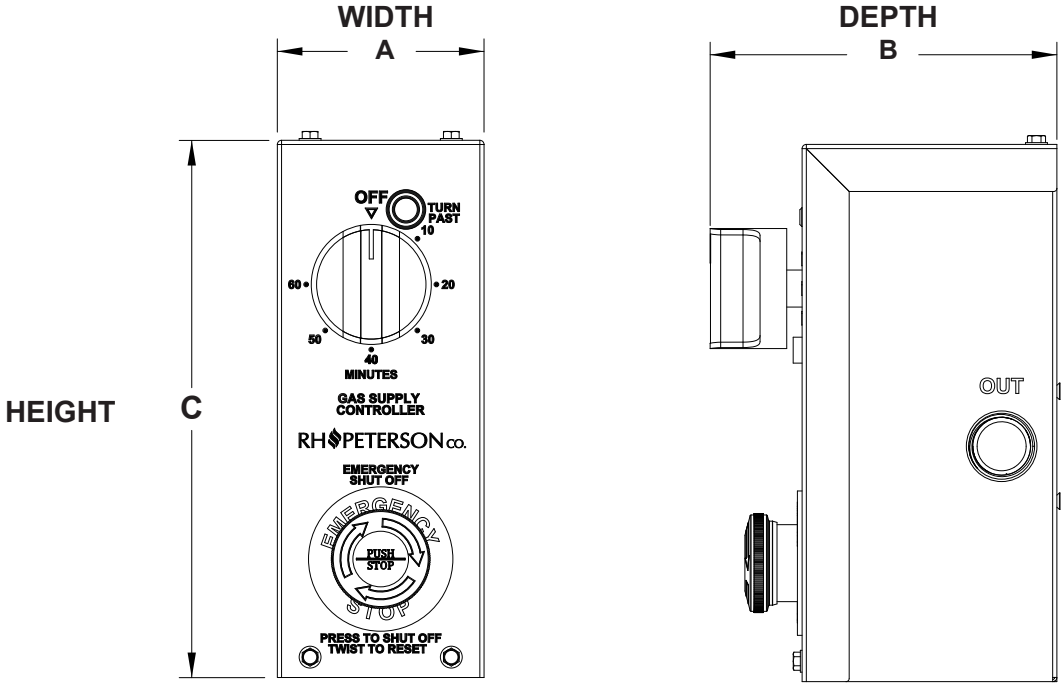


Fig. 2-1 Commercial dimensions

INSTALLATION OVERVIEW

Follow ALL information found in this manual and in the gas appliance owner's manual. Installation must be performed by a licensed professional service technician.

CAUTION: Ensure all electrical and gas supply is OFF at the location of installation. The appliance must be completely cool prior to any installation. Observe the National Electric Code (NFPA70), the National Fuel Gas Code (NFPA 54), and all local codes.

This control is designed to be externally mounted onto a wall's stable surface. Refer to Fig. 2-2 as a reference for installation. Gas supply is shown directly hard-lined in this example. Your installation may vary.

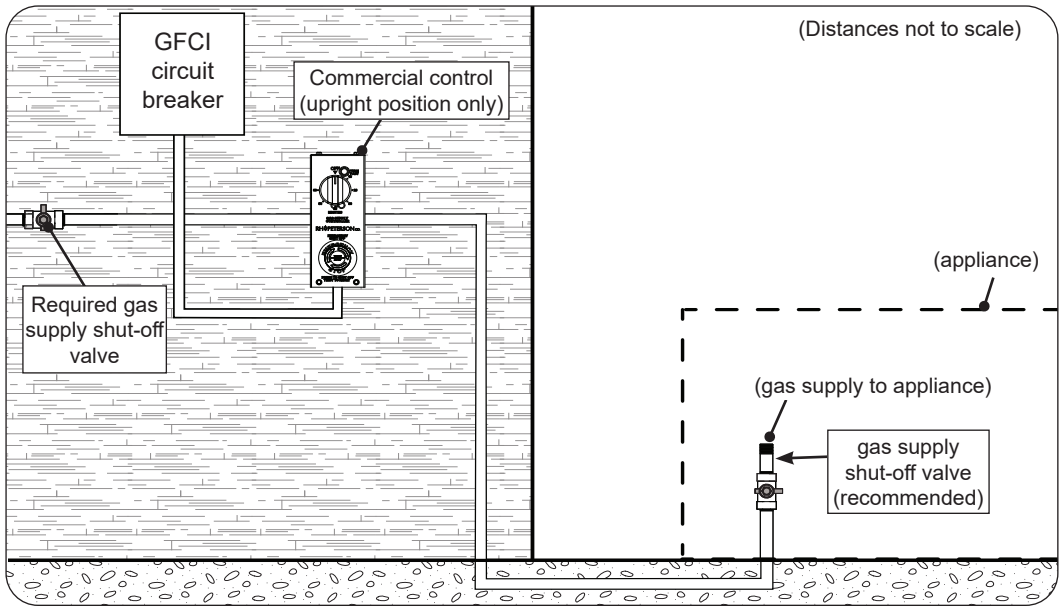


Fig. 2-2 Installation overview

GAS CONNECTIONS

1. Determine the best location for the control position with a minimum height required by your local codes and a minimum distance of 6 feet away from the intended appliance. The control must be secured in an upright position as shown in INSTALLATION OVERVIEW on the pervious page. This needs to have a maximum working pressure that does not exceed 1/2 P.S.I.G.

Note: The control must be mounted externally on a wall's stable surface. Consider the location of wall studs for mounting or any obstructions when planning for installation.

2. Route the gas supply to the desired location as applicable to your local codes. Check all connections for gas leaks before proceeding. See Fig. 3-1 for reference as a gas supply overview.

Note: It is recommended to use a union straight connector (not included) in this installation for easy access, maintenance, and servicing when needed. See Fig. 3-1.

3. Connect the appropriate NPT thread nipples (see Fig. 3-1) to the gas line on inlet (IN) and outlet (OUT) labeled threads to make gas connections. Use Fig. 3-1 as a reference.

4. Apply a pipe joint compound resistant to all gasses on the male pipe, ensure that the connection is tightened securely and check for any gas leaks.

Important: A required primary gas supply shut-off valve must be placed on the inlet side of the controller. Refer to Fig. 3-1 and the INSTALLATION OVERVIEW section on the pervious page as needed.

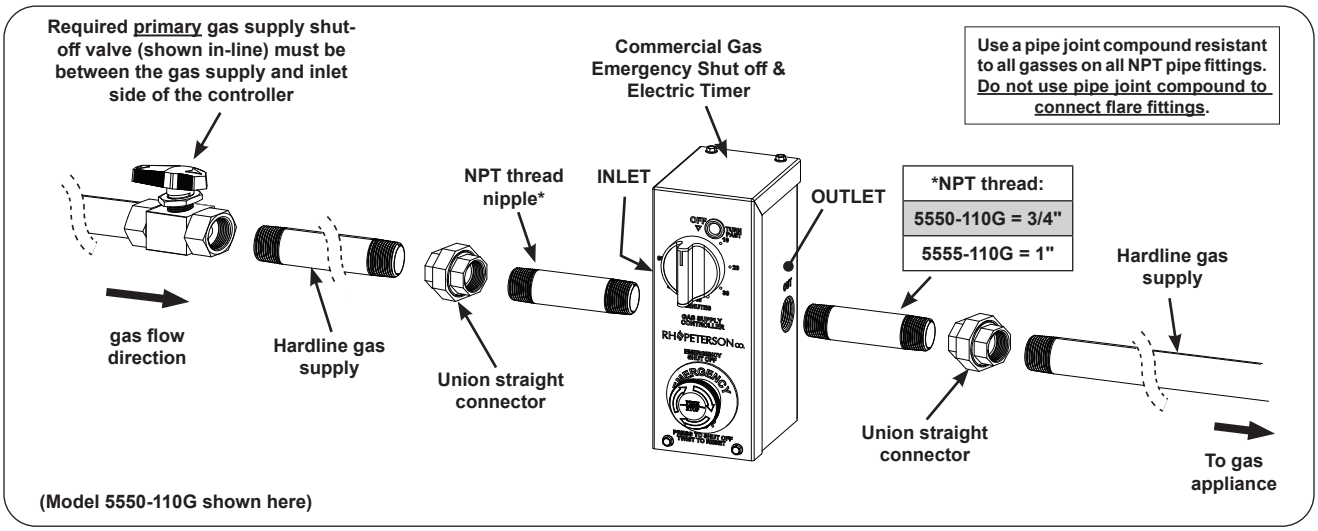


Fig. 3-1 Gas supply installation overview

Proceed to the following page for installation.

INSTALLATION

1. Unscrew the $^{3}/_{32}$" set screw (found on left side of knob stem) then pull out the timer knob and set aside. See Fig. 4-1, A.
2. Using a $^{1}/_{4}$" socket driver or wrench, remove the four hex bolts from the top and bottom of the control (Fig. 4-1, B).
3. Pull the face plate outward as shown in Fig. 4-1, C.
4. Take caution to not disconnect any electrical wiring, and allow the face plate to hang gently.
5. Mark four (4) pilot holes with the inner component hex bolt holes as a guide and drill into wall. See Fig. 4-2, D.
6. Before mounting onto wall, apply weather-proofing silicone (not supplied) to the back of the control and the interior of the control, as shown in Fig. 4-2, E and F.
7. Use a $^{5}/_{16}$" socket driver to securely mount the control onto the wall surface with bolts and washers provided. Using alternate hardware appropriate for your individual installation is permitted.
8. Apply weather-proofing silicone (not supplied) to the inlet and outlet gas line openings as shown in Fig. 4-2, G.
9. **Carefully check *all* gas connections for leaks with a brush and soapy water before lighting. NEVER USE A MATCH OR OPEN FLAME TO TEST FOR LEAKS.**

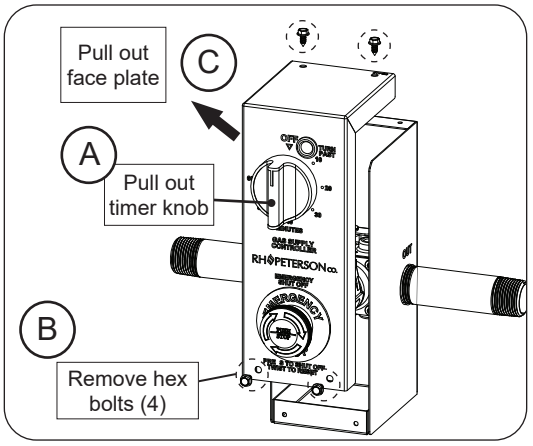


Fig. 4-1 Remove face plate

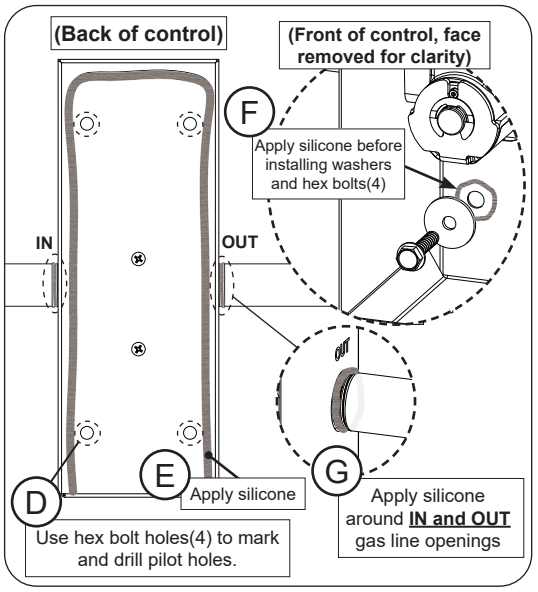


Fig. 4-2 Mount control

ELECTRICAL CONNECTIONS

1. Route electrical wiring to the control as required for your installation. Use the appropriate knockouts ($^{1}/_{2}$" or $^{3}/_{4}$" trade size) to run wiring to controller. See Fig. 4-3.

Note: Inner electrical components are pre-wired. Refer to the wire diagram on the following page as needed.

2. Make all connections and ensure they are fully secured and with sealant applied for all applicable connections.
3. Re-install the face plate as shown in Fig. 4-4 and secure into place with hex bolts (4), then reattach the timer knob with set screw.

Important: Avoid overtightening to prevent box damage.

4. Switch ON the electrical system and turn ON the gas supply to test the power to the unit.

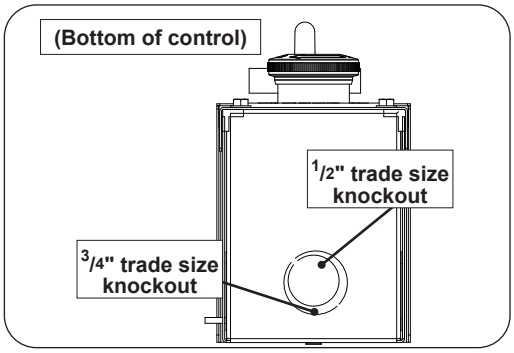


Fig. 4-3 Run electrical wiring

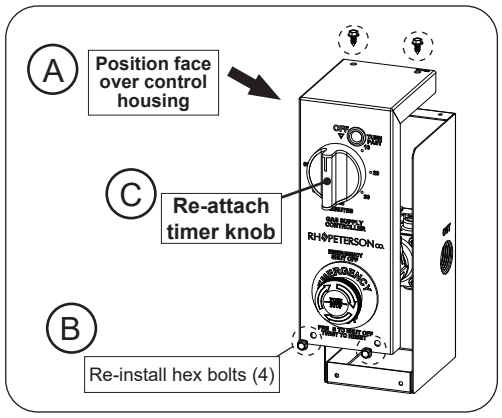
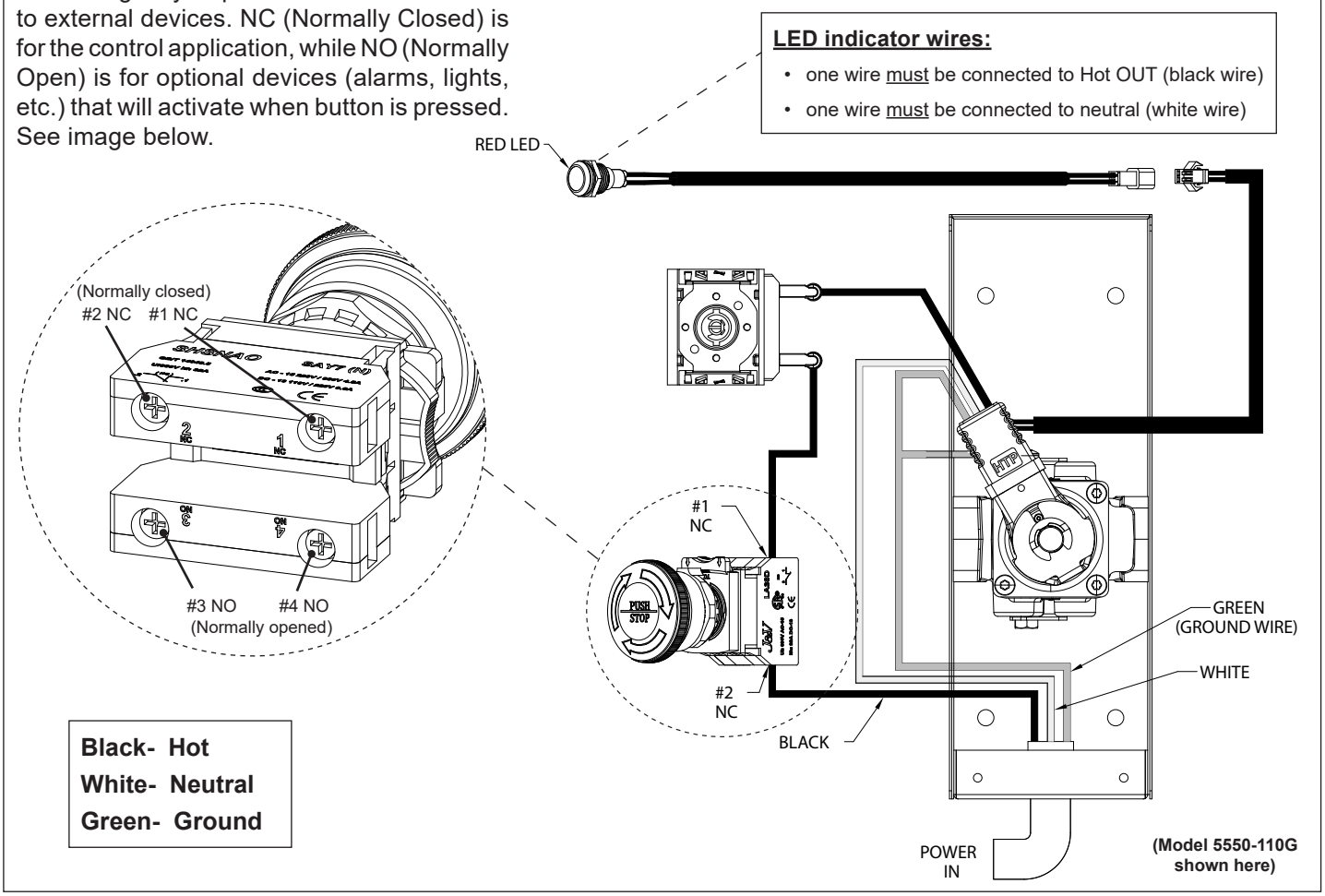


Fig. 4-4 Reinstall control face

COMMERCIAL GAS EMERGENCY STOP & ELECTRIC TIMER WIRE DIAGRAM

The emergency stop button offers connections to external devices. NC (Normally Closed) is for the control application, while NO (Normally Open) is for optional devices (alarms, lights, etc.) that will activate when button is pressed. See image below.



OPERATION

1-hr Timer

When activated, the timer will provide gas to the appliance for the selected duration of time.

To use, turn the timer knob past 10 minutes ↷ clockwise (to activate timer), then set to desired time. LED indicator light will illuminate indicating power is ON and gas is flowing.

To stop the timer and turn off the unit, turn the knob to the OFF position until you hear an audible click. LED indicator light will turn off indicating time has elapsed and power is OFF.

Emergency Stop

In case of an emergency, press the red emergency stop button to stop the gas flow immediately. Twist the stop button ↷ clockwise to reset the button and restore gas flow to the unit.

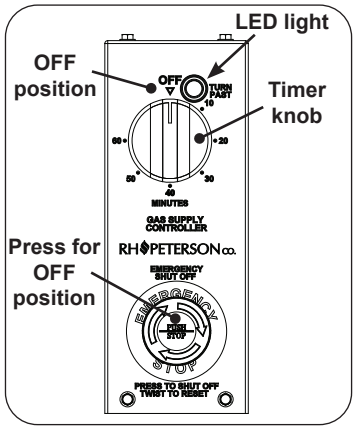


Fig. 5-1 Operation

WARNING: AFTER EACH USE:

- **ENSURE THAT THE APPLIANCE CONTROLS ARE IN THE OFF POSITION**
- **IF TIMER IS ON, SLOWLY TURN IT TO THE OFF POSITION**
- **TURN OFF THE PRIMARY GAS SUPPLY SHUT-OFF VALVE TO COMPLETELY SHUT OFF THE GAS TO THE APPLIANCE**

Note: Harsh environments, wear, abuse, or tampering may affect your timer. It is recommended to periodically test the timer at least once a month or as needed.

- Ensure when timer reaches the OFF position, no gas continues to flow.
- If the timer does not shut off, have a gas professional replace the timer.

WARRANTY

RH PETERSON CO.

COMMERCIAL / MULTI-USER LIMITED WARRANTY

When used in a commercial / multi-user setting* including but not limited to apartment complexes, multi-family dwelling complexes, schools, hotels, fire stations, police stations, etc.

*Excluding restaurants and other professional cooking settings.

R.H. Peterson Co. ("RHP") warrants your product to be free from defects in material and workmanship.

RHP Stainless steel housings are warranted for **FIVE (5) YEARS**.

All other components, except batteries, are warranted for **THREE (3) YEARS**.

A COPY OF YOUR SALES SLIP FOR PROOF OF PURCHASE IS REQUIRED

This warranty applies to the original purchaser for products which are installed in the United States or Canada. This warranty is valid only with proof of purchase, commences on the date of purchase, and terminates (both as to original and any replacement products) on the anniversary date of the original purchase of the product per the above schedules.

This warranty **does not** cover parts which become defective as a result of negligence, misuse, or use not in compliance with the Installation and Owner's Manual, accidental damage, improper handling, improper storage, improper installation, **lack of required routine maintenance** (as specified in the Installation and Owner's Manual), or electrical damage. Product must be installed as specified in the Installation and Owner's Manual by a **qualified professional installer**. This warranty **does not** apply to normal occurrences that may be expected with any outdoor product such as rust, corrosion, oxidation, or discoloration unless the affected part becomes inoperable. RHP products including valves, pilots and controls are designed and certified to be used as a system. Modifications to products which are not specifically authorized will void this warranty and could render the product to be unsafe. Warrantied items will be repaired or replaced at RHP's sole discretion. This warranty **does not** cover labor or labor related charges, except as provided by separate specific written programs from RHP. All repair work must be performed by a qualified professional service person and requires prior approval of RHP.

RHP may require the defective product or part to be returned to the factory to determine the cause of failure. RHP will pay freight charges if the product or part is determined to be defective. This warranty does not cover breakage in shipment from our independent distributor to its customer if the damage is determined to have occurred during that shipment.

This warranty specifically excludes liability for **indirect**, **incidental**, or consequential damages. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specified legal rights, and you may have other rights that vary from state to state or province.

For additional information regarding this warranty, or to place a warranty claim, contact the RHP dealer where the product was purchased.

When contacting your RHP dealer or the R.H. Peterson Co., please provide the following information:

- Your name, address, telephone number, e-mail
- Sales receipt showing where purchased and date purchased
- Model number, serial number of product, date code
- Relevant information: installer, additions, repairs, when defect was first noted

TO REGISTER YOUR PRODUCT ONLINE GO TO: WWW.RHPETERSON.COM, AND CLICK ON PRODUCT REGISTRATION. THANK YOU FOR YOUR PURCHASE.

Quality Check	**Date:**_____	**Model #:**	
Electrical Leak Test: _____			
Operation Test: _____			
Inspector: _____		**Serial #:**	