

RH PETERSON CO.

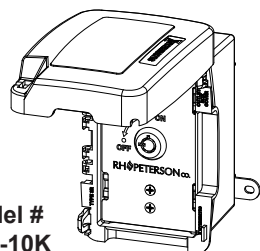
Outdoor Commercial Controls

Model #: 5550-110E, 5550-110S,
5531-11T, 5531-10K

⚠ WARNING: Installation and service must be performed by an NFI certified or other qualified installer, service agency, or the gas supplier.

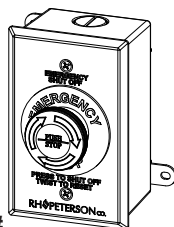
INSTALLER: Leave these instructions with consumer.
CONSUMER: Retain for future reference.

Master Key
Switch



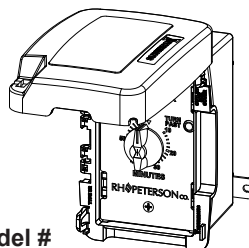
Model #
5531-10K

Emergency Stop



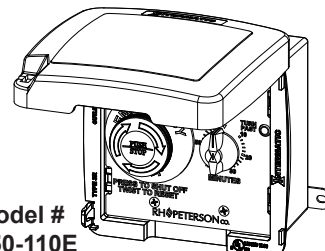
Model #
5550-110S

1-Hr Timer



Model #
5531-11T

Emergency Stop &
Electric Timer



Model #
5550-110E

These controls are intended for outdoor use. **Observe all local codes and ordinances when installing these electrical controls.** If no local codes are applicable, wiring MUST be in accordance with the latest National Electric Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1, whichever is applicable. Your individual installation may vary.

ELECTRICAL SETUP

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

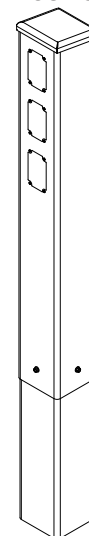
- **TURN OFF THE MAIN ELECTRICAL SUPPLY TO THE INSTALLATION LOCATION.**
- Control(s) MUST be powered by a dedicated GFCI circuit breaker.
- Electrical supply must be rated for 110~120VAC (20 AMP maximum).
- Electrical wiring not supplied; use appropriate size copper conductors only for your application.
- **Check that the control device type and rating are suitable for the appliance to be controlled.**

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

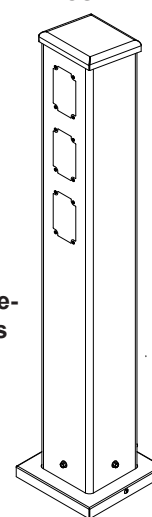
Commercial Control Towers (sold separately)

RHP outdoor commercial control towers are available to accommodate up to three (single-gang) control boxes. The controls listed below are compatible with this tower. Contact your local dealer for ordering information.

Model #:
POST-G



Model #:
POST-P



Compatible with:

- 5531-10K
- 5550-110S
- 5531-11T
- Most single-gang boxes

PRODUCT DIMENSIONS

Model	Height (A)	Width (B)	Depth			
			Lid Closed (C)	Switch Box Housing (D)	Lid Open (Horizontal) (E)	Lid Open (Vertical) (F)
Master Key Switch (5531-10K)	5.5"	3.75"	1.5"	2"	5.75"	4"
1-Hr Timer (5531-11T)	5.5"	3.75"	1.5"	2"	5.75"	4"
Emergency Stop & Electric Timer (5550-110E)	5.5"	5.6"	1.5"	2"	5.75"	N / A

Model	Height (A)	Width (B)	Depth	
			Button* (C)	Switch Box Housing (D)
Emergency Stop (5550-110S)	4.9"	3.1"	1.3"	2"

*Emergency stop button not shown.

Table 2-1 Product dimensions

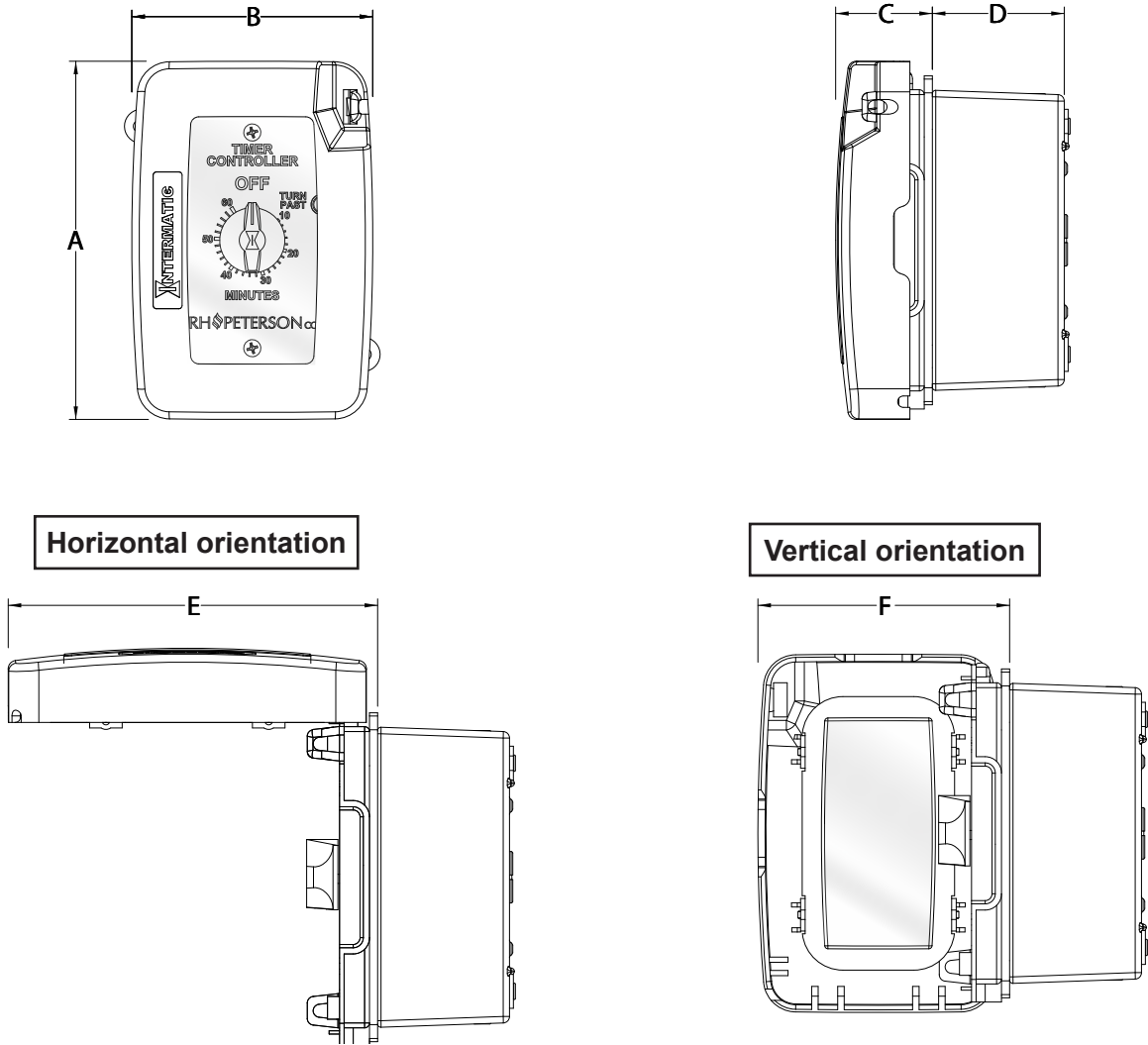


Fig. 2-1 Dimension Measurements

INSTALL SWITCH BOX

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

1. Determine the best location for the control with a minimum distance of 6 feet away from the appliance to be controlled. The location must be at a distance that supplies sufficient voltage between the GFCI circuit breaker and the receptacle.

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

2. **For IN-WALL RECESSED installation:** cut a clearance hole at the selected control switch location in preparation to mount the switch box. Proceed to step 3.

For SURFACE-MOUNT installation: proceed to step 3.

For RHP outdoor commercial control tower installation: follow the instructions provided with your post; then proceed to the MAKE ELECTRICAL CONNECTIONS section below.

3. Using a Phillips-head screwdriver, remove the two screws and separate the inner components from the switch box, leaving only the switch box housing. See Fig. 3-1.
4. Use the provided brackets, if necessary, to securely mount the switch box as applicable.
5. Run electrical wiring to the switch box housing as required for your installation.

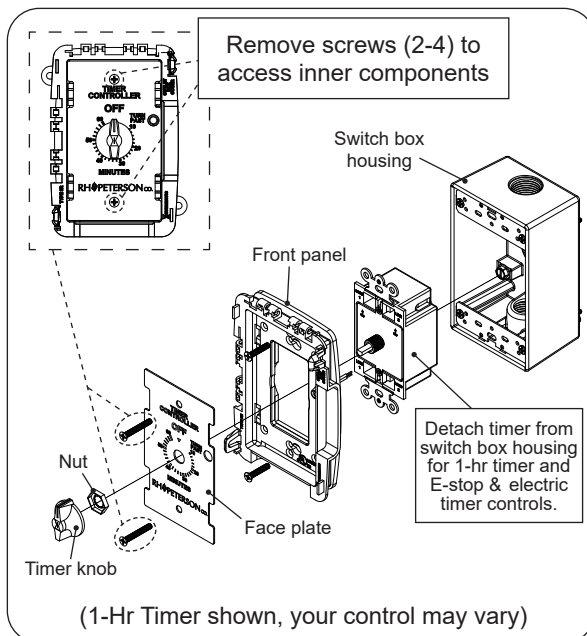


Fig. 3-1 Remove control screws

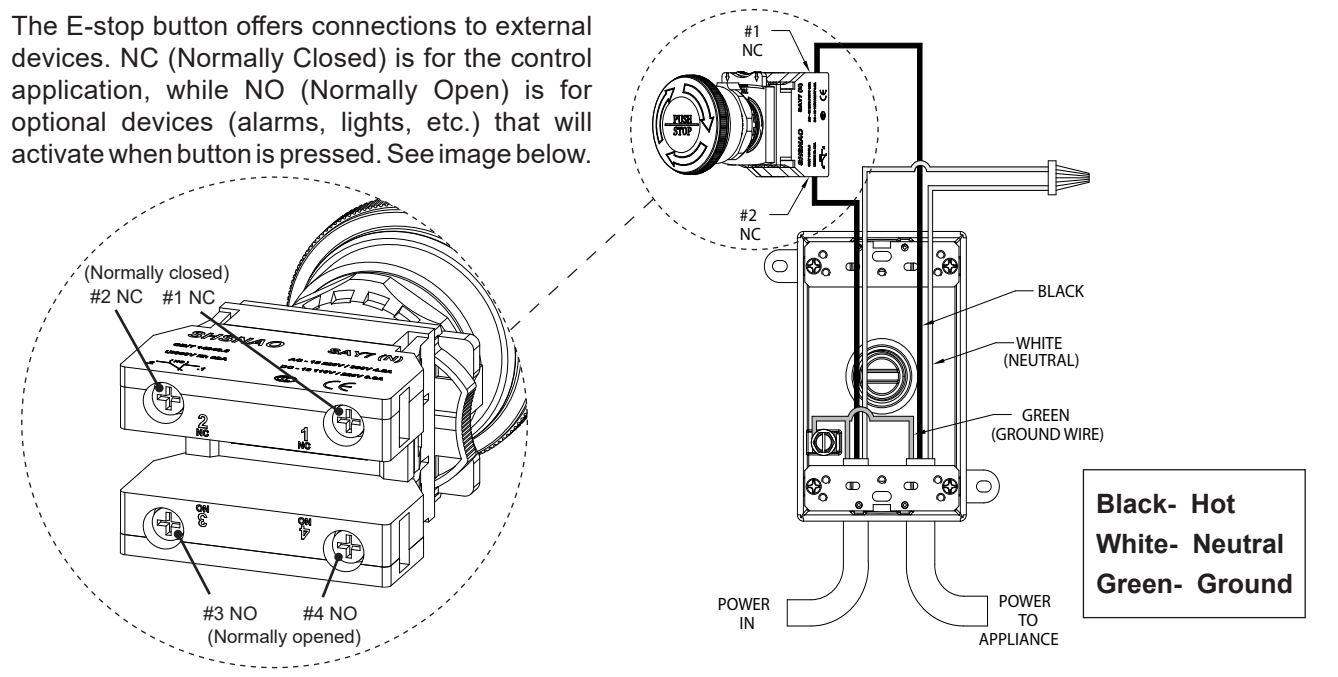
MAKE ELECTRICAL CONNECTIONS

Important: All electrical setup and installation of these outdoor commercial controls MUST be performed by a licensed electrician. USE COPPER CONDUCTORS ONLY. DO NOT TIN THE CONDUCTORS. **TAKE CAUTION THAT THERE ARE NO STRAY WIRE STRANDS.**

1. Locate the appropriate wiring diagram for your control(s) below and on the following page. ENSURE TO FOLLOW THE IMPORTANT INFORMATION PROVIDED FOR EACH CONTROL.
2. Make electrical connections as required, then proceed to the COMPLETE INSTALLATION section.

EMERGENCY STOP WIRE DIAGRAM

The E-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.



EMERGENCY STOP & ELECTRIC TIMER WIRE DIAGRAM

The E-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.

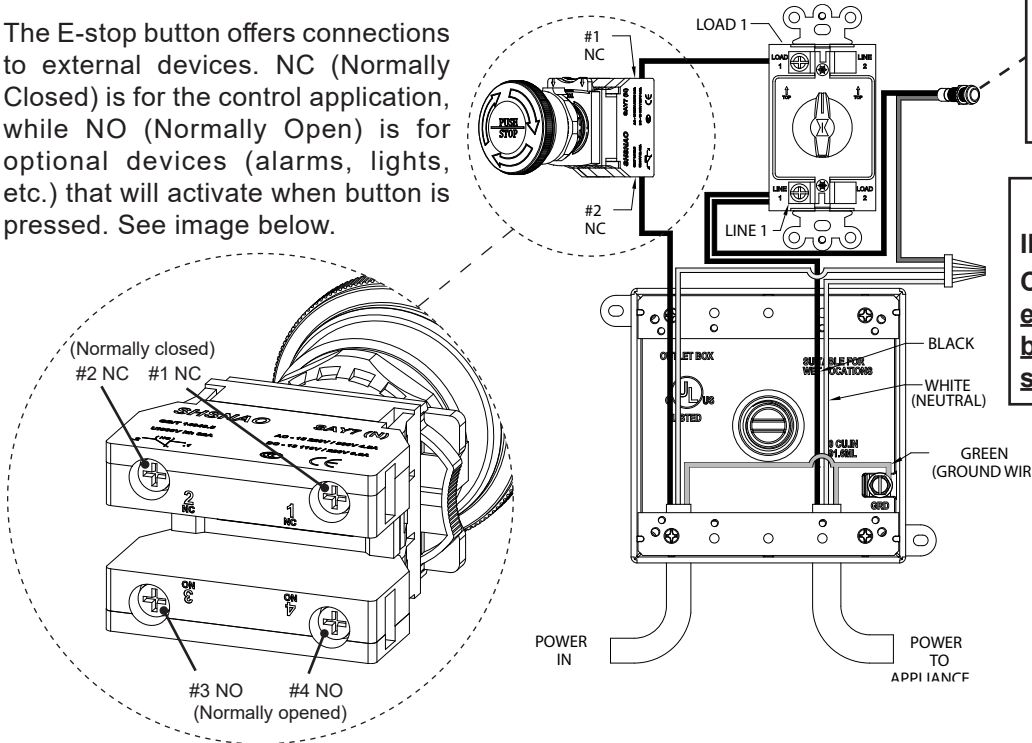
LED indicator wires:

- one wire must be connected to Line 1
- one wire must be connected to neutral (white wire)

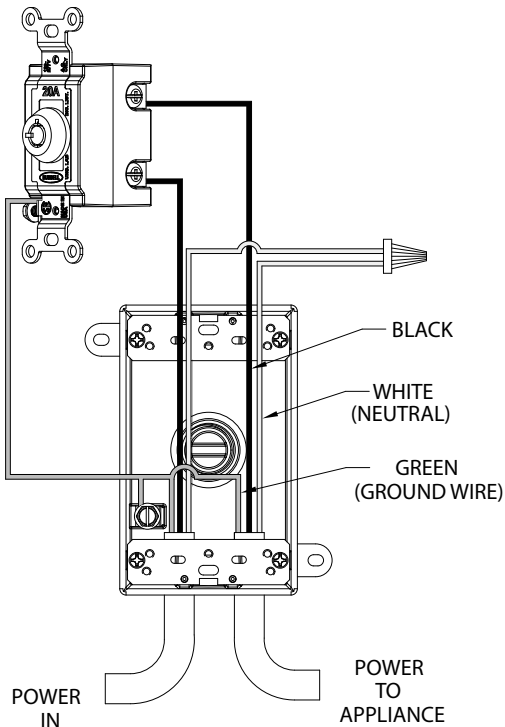
IMPORTANT:

IF INSTALLING WITH OTHER CONTROLS, This E-stop & electric timer control MUST be installed LAST in the series.

**Black- Hot
White- Neutral
Green- Ground**



MASTER KEY SWITCH WIRE DIAGRAM



**Black- Hot
White- Neutral
Green- Ground**

1-HR TIMER WIRE DIAGRAM

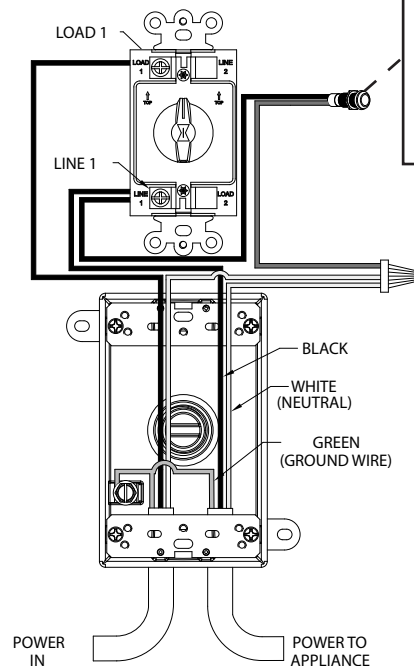
IMPORTANT:

IF INSTALLING WITH OTHER CONTROLS, This electric timer control MUST be installed LAST in the series.

LED indicator wires:

- one wire must be connected to Line 1
- one wire must be connected to neutral (white wire)

**Black- Hot
White- Neutral
Green- Ground**



COMPLETE INSTALLATION

Important: Inspect all wire connections and ensure wiring is correct, fully secured, and there are no stray wire strands.

1. Re-fasten all the inner components back into the switch box(es).

Note: For timer reinstallation, align the timer knob and press into place.

2. If applicable, you may install a control switch cover for added protection. The protective cover can be positioned either vertically or horizontally, allowing you to choose the orientation best for your installation. See Fig. 5-1.

- If installing on an RH Peterson control tower (sold separately), vertical orientation of the cover hinge is recommended.
- The E-stop & electric timer control switch cover can only be installed horizontally.

3. Align the cover hinge with the corresponding hinge on the main plate, then insert the provided pin to secure the assembly. See Fig. 5-1.

4. Switch ON the electrical system and test the power to the unit. See below for individual control operation information.

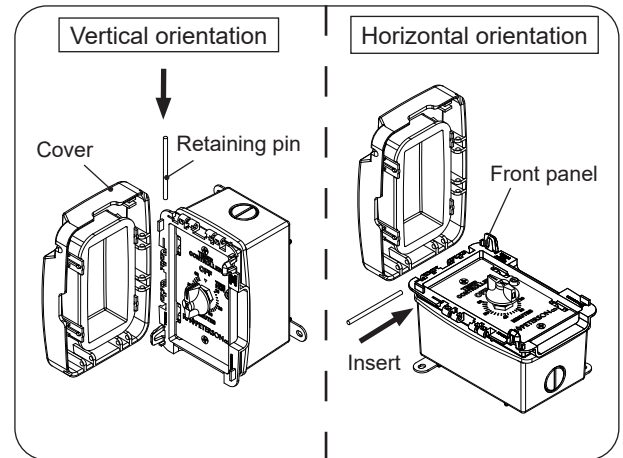


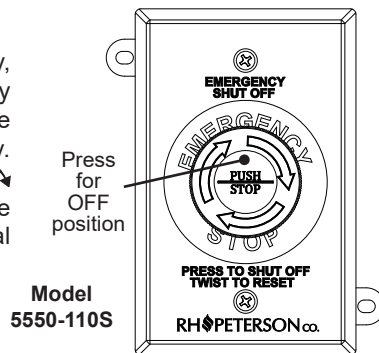
Fig. 5-1 Attach protective cover

OPERATION

Locate your outdoor commercial control below for the operation information.

Emergency Stop

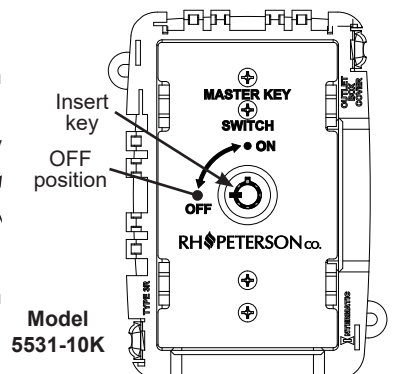
In case of an emergency, press the red emergency stop button to shut the power OFF immediately. Twist the stop button clockwise to reset the button and restore electrical current to the unit.



Master Key Switch

Use the provided key to turn the power ON and OFF. Insert the key and slightly push inward to turn clockwise to ON or counterclockwise to OFF.

The key is removable in both ON and OFF positions.

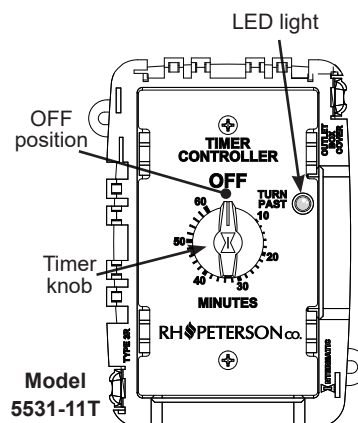


1-Hr Timer

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

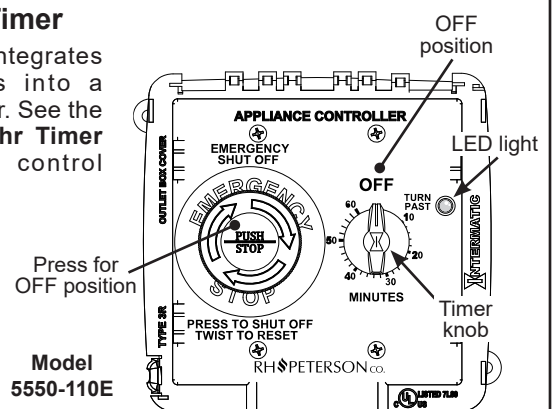
To use, turn the timer knob past 10 minutes clockwise (to activate timer), then set to desired time. LED indicator light will illuminate indicating power is ON.

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 & Electric Timer

This control integrates two functions into a single controller. See the **E-Stop** and **1-hr Timer** for individual control operation.



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, there is no electrical current (red LED is off).
- If the timer does not shut off, have an electrician replace the timer.

WARRANTY



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), electrical damage, local gas impurities or failure to protect against combustible materials. Product must be installed (and gas must be connected) 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. Warranted 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 #: