



Model: Smart Batt III

INSTALLATION AND OPERATION INSTRUCTIONS

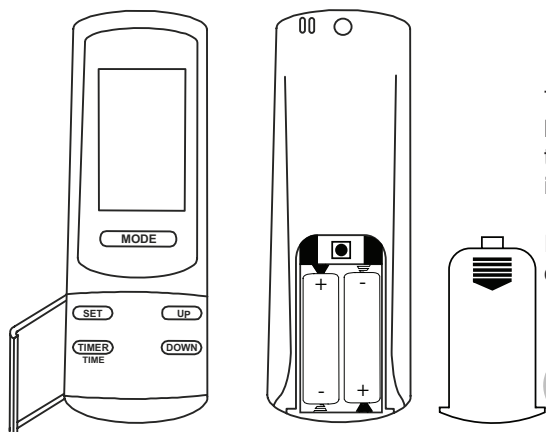
IF YOU CANNOT READ OR UNDERSTAND THESE INSTALLATION INSTRUCTIONS DO NOT ATTEMPT TO INSTALL OR OPERATE

INTRODUCTION

This remote control system was developed to provide safe, reliable, user-friendly operation for gas heating appliances. This is a dry contact, thermostat controlled system with built-in timer that can be operated from the transmitter.

NOTE: This product is designed for use with an attended hearth appliance or fire feature. Adults must be present when the Control System is operating. DO NOT program or thermostatically set this Control to operate a hearth appliance or fire feature when Adults are not physically present. Furthermore, DO NOT leave the hearth appliance or fire feature burning unattended; it may cause damage or serious injury. If an Adult is going to be away from the hearth appliance or fire feature for any length of time, then the handheld/wall mount, receiver/control module and application should be in the "OFF" position.

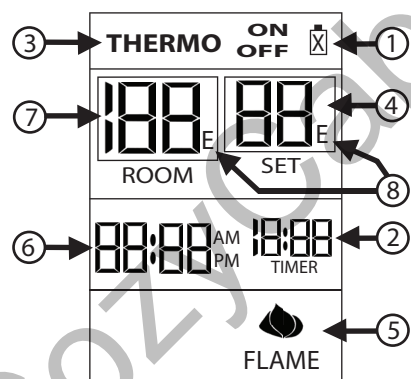
TRANSMITTER



The transmitter operates on (2) AAA 1.5V batteries that are included. Install the AAA batteries supplied with the unit into the battery compartment. It is recommended that ALKALINE batteries always be used for this product. **Be sure the batteries are installed with the (+) and (-) ends facing the correct direction.**

If the transmitter does not illuminate when you press any buttons, or you see nothing on the LCD screen, check the position of the batteries.

LIQUID CRYSTAL DISPLAY - LCD



1. **Low Battery Indicator** - Battery power is low, replace batteries within two weeks.
2. **Timer** - Time remaining before the system shuts off.
3. **Mode** - Indicates whether the system is ON, OFF, or in THERMO mode.
4. **Set** - Indicates the desired SET temperature when in THERMO mode.
5. **Flame** - Indicates appliance is on.
6. **Clock** - Indicates current time.
7. **Room** - Indicates current ROOM temperature.
8. **°F** - Indicates degrees Fahrenheit (°C indicates degrees Celsius).

MODE FUNCTION

To select an operational mode, press the MODE button on the transmitter.

ON - Turns the appliance ON, the flame icon will appear on the LCD screen.

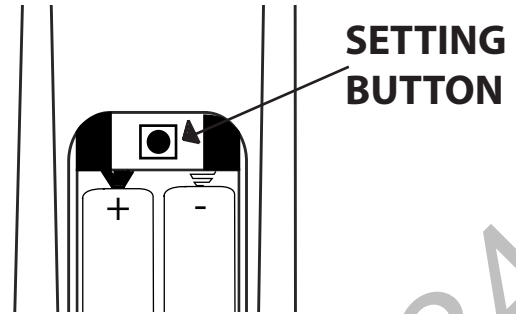
THERMO - Remote is in THERMO mode.

OFF - Turns the appliance OFF, the flame will disappear from the LCD screen.

SETTING °FAHRENHEIT / °CELSIUS SCALE

The factory setting for temperature is degrees Fahrenheit (°F). To change this setting to degrees Celsius (°C):

- Remove battery cover on the back of the transmitter and locate the setting button in the top center of the battery compartment.
- Push the button once to enter temperature scale setting mode.
- Use the up and down buttons to switch between the °F and °C.
- Push the setting button again once again to set the displayed temperature scale.
- Repeat this procedure to switch back to °F.



THERMOSTAT FUNCTION

- Press the **MODE** key until the LCD screen shows the word "THERMO" at the top of the screen.
- To adjust set temperature, press the **UP** and **DOWN** buttons until the desired temperature is reached. The temperature range is 99°F (37°C) to 45°F (7°C).
- If no button is pressed, the set temperature will automatically be accepted.
- The flame icon will appear when the control calls for heat. The flame icon will disappear when the appliance reaches its set temperature.
- Press the **MODE** key to disengage the Thermo Mode.

THERMO UPDATING FEATURE

This remote control has a temperature updating feature built into its software. The transmitter reads the room temperature every 2 minutes, then updates the room temperature on the LCD screen.

NOTE: The thermo feature operates the appliance whenever the room temperature varies a certain number of degrees from the set temperature. This variation is called the "swing" or temperature differential. This feature lets the appliance turn off and on 2 °F (1 °C) above or below the set temperature of the room. This is to cushion the number of times the appliance is turned on and off.

SETTING THE CLOCK

- Hold the **TIMER/TIME** button for 3 seconds. The hour section of the time will begin flashing.
- Select the hour by pressing the **UP** and **DOWN** buttons. If you go past 12 o'clock the AM and PM will change.
- Once the hour is selected, press and release the **TIMER/TIME** button again, and the minute section of the time should be flashing.
- Use the **UP** and **DOWN** buttons to scroll through the minutes.
- Once the minutes are correct, press the set button or press and hold the **TIMER/TIME** button for 3 seconds. The time will lock.

SETTING THE COUNTDOWN TIMER

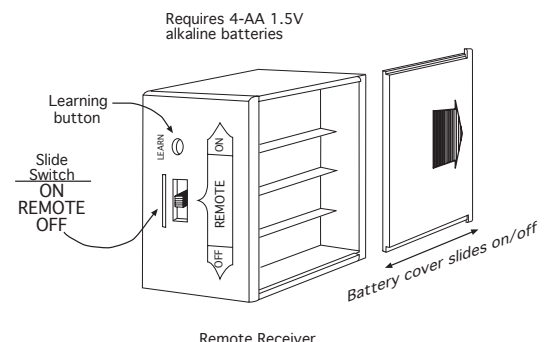
This remote control system can operate with a built-in countdown timer when the transmitter is in the **ON** or **THERMO** modes (**THERMO** or **ON** must be displayed on the screen).

- Press and release the **TIMER** button. The minimum 0:15 minute setting on the LCD Screen will begin to flash.
- Press the **UP** or **DOWN** button on the transmitter to choose your countdown time. Available countdown times are 15 min, 30 min, 45 min, and 1 hour to 9 hours (alternating every 30 min).
- To initiate the countdown, press the **SET** button. If no button is pressed within 15 seconds, the setting will automatically be accepted. The system will return to **OFF** mode when the countdown time expires. If the system is in **THERMO** mode, it will cycle **ON** and **OFF** based on the set temperature until the timer expires.

RECEIVER

Install the 4 AA-size batteries supplied with the unit. It is recommended that **ALKALINE** batteries always be used for this product. **Be sure the batteries are installed with the (+) and (-) ends facing the correct direction.** The remote receiver has a 3-position slide switch for selecting the mode of operation **ON/REMOTE/OFF**.

- **ON:** will manually turn on the appliance.
- **REMOTE:** will allow use of handheld transmitter. If the system does not respond to the transmitter on initial use, check the battery positions in the remote. If that does not work, see the **LEARNING TRANSMITTER TO RECEIVER** section.
- **OFF:** will disable the remote receiver.
- **It is suggested that the slide switch be placed in the OFF position if you will be away from your home for an extended period of time.**



WARNING

This remote control system must be installed exactly as outlined in these instructions. Read all instructions completely before attempting installation. Follow instructions carefully during installation. Any modifications of this remote control or any of its components will void the warranty and may pose a fire hazard.

Do not connect any gas valve or electronic module directly to 110-120VAC. Consult gas appliance manufacturer's instructions and wiring schematics for proper placement of all wires. All electronic modules are to be wired to manufacturer's specifications.

The following wiring diagrams are for illustration purpose only. Follow instructions from manufacturer of gas valve and/or electronic module for correct wiring procedures. Improper installation of electric components can cause damage to electronic module, gas valve and remote receiver.

INSTALLATION

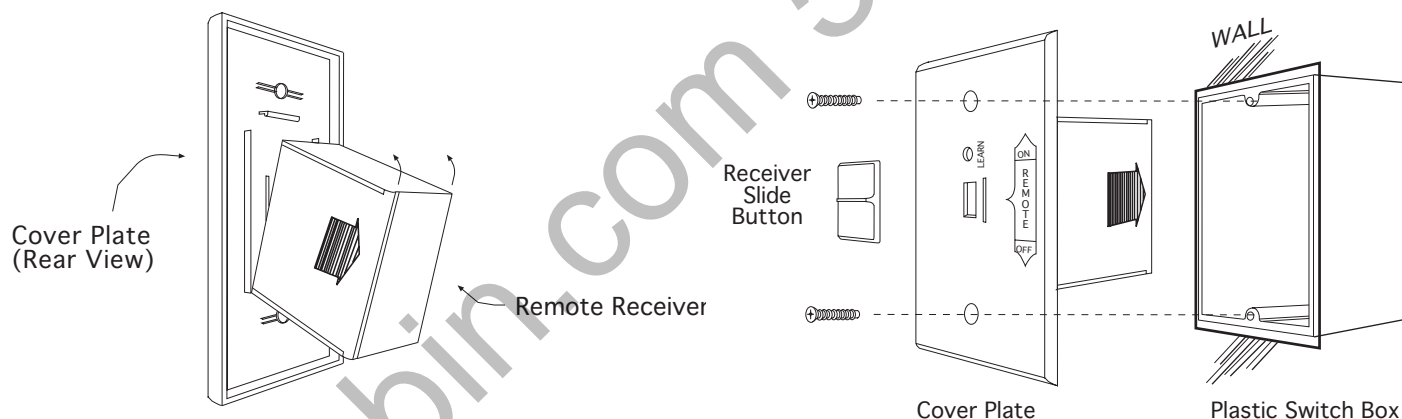
The remote receiver can be either wall-mounted in a standard plastic switch box (not metal) or placed on or near the fireplace hearth. Preferably, the remote receiver should be wall-mounted in a plastic switch box, as this will protect its electronic components from the heat produced by the gas appliance. The remote receiver should be kept away from temperatures exceeding 130° F. Battery life is also significantly shortened if batteries are exposed to temperatures 130°F or higher.

Before installation make sure the remote receiver slide switch is in the **OFF** position. After installation ensure that the slide switch is moved to the **REMOTE** position.

WALL MOUNT

When wall mounting the remote receiver, longer wires (not included) are required to connect to the gas valve or electronic module. These wires must be at least 18 Gauge (AWG), and no longer than 20-feet and have no splices.

To attach Cover Plate to Receiver Box:



Position the receiver as shown in diagram to the left with lower tab on cover plate inserted into groove of receiver (Make sure LEARN hole on cover plate properly aligns with remote receiver). Pull receiver up and snap into top tab of cover plate.

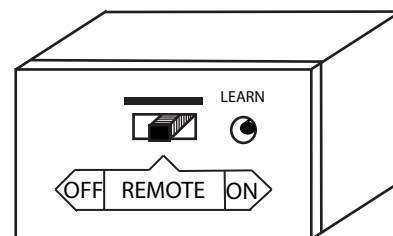
Position the cover plate so the word ON is facing up; then, install the remote receiver into the plastic switch-box using the two long screws provided. Push the white button over the receiver slide switch.

HEARTH MOUNT

The remote receiver can be placed on the fireplace hearth or under the fireplace behind the control access panel.

Use the wires attached to the remote receiver to connect to the gas valve or the electric module (piggyback connectors have both male & female terminals for flexibility).

Be sure that the connectors do not touch each other or other bare metal surfaces; this will cause the appliance to turn ON. The connectors may be wrapped with electrical tape to prevent this.

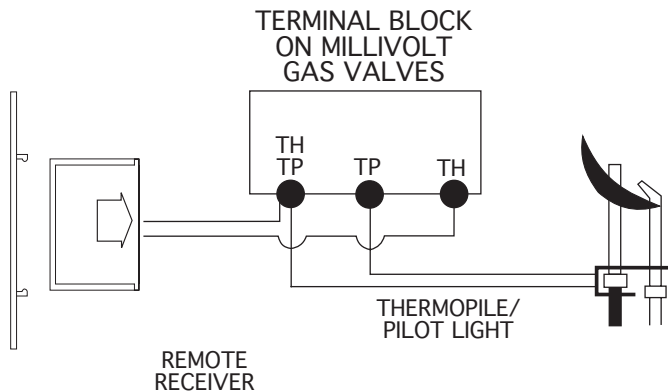


WIRING INSTRUCTIONS

A qualified electrician or a gas technician who is familiar with the gas appliance and gas valves that will be operated by this remote should install the remote control system. Incorrect wiring connections WILL cause damage to the gas valve or electronic module operating the gas appliance and may also damage the remote receiver.

WIRING MILLIVOLT VALVES

The remote receiver is connected to the millivolt valve using the TH (thermostat) terminals on the terminal block on the millivolt gas valve. Connect 18 gauge solid or stranded wires from the remote receiver to the gas valve.



Operation of the remote receiver is similar to that of a thermostat in that both turn the gas valve ON and OFF based on input signals. A thermostat's input signals are different temperatures. The remote receiver's input signals come from the transmitter.

Connect each of the two wires leading from the TH terminals on the millivolt gas valve to either of the two wire terminals on the remote receiver. Normally it does not matter which wires go to which terminal.

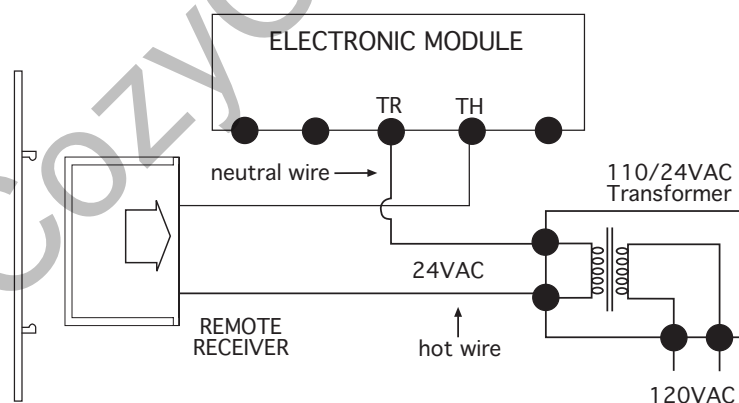
SYSTEM CHECK

MILLIVOLT VALVES

Light your gas appliance following the lighting instructions that came with the appliance. Confirm that the pilot flame is ON; it must be in operation for the main gas valve to operate. Learn the transmitter to the receiver. See next page.

- Slide the 3-position button on the remote receiver to the ON position. The main gas flame (i.e., the fire) should ignite. • Slide the button to OFF. The flame should extinguish (the pilot flame will remain ON).
- Slide the button to REMOTE (the center position), and then press the ON button on the transmitter to turn the system to ON. The main gas flame should ignite.
- Press the OFF button on the transmitter to turn the system to OFF. The flame should extinguish (the pilot flame will remain on).
- Press the MODE button on the transmitter to change the system to THERMO. Advance the SET temperature on the transmitter to a temperature of at least 2°F (1°C) above the ROOM temperature displayed on the LCD screen. With this manual setting, the normal thermostatic cycle is overridden and the system flame will ignite. Set the SET temperature to at least 2°F (1°C) below the room temperature and the system flame will extinguish in a few seconds. Thereafter, it should continue to cycle ON and OFF thermostatically approximately every two minutes as the ROOM temperature changes, but only when the temperature differential between ROOM and SET temperatures differ at least 2°F (1°C). The 2° F differential is the factory setting.

WIRING ELECTRONIC SPARK IGNITIONS



The remote control receiver can be connected, in series, to a 24VAC transformer to the TR (transformer) terminal on the ELECTRONIC MODULE. Connect the hot wire from the 24VAC transformer to either of the wire terminals on the remote receiver. Connect another wire (not included) between the other receiver wire terminal and the TH (thermostat) terminal on the ELECTRONIC MODULE.

SYSTEM CHECK

ELECTRONIC IGNITION SYSTEMS

Learn the transmitter to the receiver. See next section below.

- Slide the 3-position button on the remote receiver to the ON position. The spark electrode should begin sparking to ignite the pilot (the pilot may ignite after only one spark). After the pilot flame is lit, the main gas valve should open and the main gas flame should ignite.
- Slide the button to OFF. The main gas flame and pilot flame should BOTH extinguish.
- Slide the button to REMOTE (the center position), and then press the ON button on the transmitter to turn the system to ON. The spark electrode should begin sparking to ignite the pilot. After the pilot is lit, the main gas valve should open and the main gas flame should ignite.
- Press the OFF button on the transmitter to OFF. The main gas flame and pilot flame should BOTH extinguish.
- Press the MODE button on the transmitter to change the system to THERMO. Advance the SET temperature on the transmitter to a temperature of at least 2°F (1°C) above the ROOM temperature displayed on the LCD screen. With this manual setting the normal thermostatic cycle is overridden and the system flame will ignite. Set the SET temperature to at least 2°F (1°C) below the room temperature and the system flame will extinguish in a few seconds. Thereafter, it should continue to cycle ON and OFF thermostatically approximately every two minutes as the ROOM temperature changes, but only when the temperature differential between ROOM and SET temperatures differ at least 2°F (1°C). (The 2°F differential is the factory setting).

LEARNING TRANSMITTER TO RECEIVER

This transmitter has one of 1,048,576 unique security codes. It may be necessary to program the remote receiver to “learn” the security code of the transmitter upon initial use, if batteries are replaced, or if using a replacement transmitter.

- Make sure the receiver’s slide switch is in the **REMOTE** position.
- Press and release the **LEARN** button on the receiver.
- When you hear the “Beep”, press and hold the **MODE** button for about 2 seconds on the transmitter.
- You will then hear a series of beeps that indicate that your new transmitter has been accepted by the receiver.
- To “clear” the learn memory, press and hold the learn button for 10-seconds. The receiver will emit three long “beeps” to indicate the memory is cleared.

COMMUNICATION - SAFETY - TRANSMITTER - (C/S - T/X)

This remote control has a COMMUNICATION –SAFETY function built into its software to ensure the transmitter and receiver are communicating normally.

In all operating modes, the transmitter sends an RF signal every fifteen minutes to the receiver indicating that the transmitter is within the normal operating range of 20 feet. Should the receiver NOT receive this signal, the receiver will begin a 2 hour countdown. If the receiver does not receive a signal from the transmitter in 2 hours, the receiver will shut off the appliance. The receiver will then emit a series of rapid “beeps” for a period of 10 seconds. Then after 10 seconds of rapid beeping, the receiver will continue to emit a single “beep” every 2 seconds until a transmitter **MODE** Button is pressed to reset the receiver.

THERMO- SAFETY FEATURE – RECEIVER (T/S – RX)

This remote control has a THERMO-SAFETY feature that is built into the system’s RECEIVER. This feature is temperature-activated and provides an extra margin of safety when the RECEIVER is operating where ambient temperatures exceed 130°F degrees inside the receiver case.

The THERMO-SAFETY feature, in the RECEIVER, operates in the following manner, when the appliance is in operation. The receiver is thermally protected from extreme heat conditions. Heat can have negative effect on the operation of the receiver’s microprocessors.

For REMOTE RECEIVERS that operate on BATTERY POWER, these heat conditions can cause batteries to discharge when temperatures exceed 115°F. Studies show that alkaline batteries, when exposed to a constant temperature of 115°F, can lose up to 50% of their operating power. When the battery cools down, it will partially recharge itself, but constant heating and cooling will reduce the battery’s normal life expectancy.

THERMO- SAFETY FEATURE – RECEIVER (T/S – RX) CONTINUED

When the ambient temperature at the THERMISTOR, inside the receiver case, reaches 130°F, the THERMISTOR will automatically shut the appliance down and the RECEIVER will begin emitting a series of 4 “beeps”, every 2 seconds. When the ambient temperature, at the RECEIVER, drops between 120°F and 130°F, the user can reactivate the appliance by pushing the MODE button on the transmitter. The word ON must display on the LCD screen. When the MODE button is pressed to ON, the THERMISTOR “resets” itself and the fireplace will begin operating again. However, the “beeping” will continue, if the ambient temperature remains between 120°F and 130°F. This “beeping” alerts the user that the RECEIVER should be repositioned so the ambient temperature drops below 120°F.

When the temperature drops below 120°F, the “beeping” will cease, providing the user has “reset” the THERMISTOR by pushing the MODE button OFF then ON to operate the appliance. Allow sufficient time for the receiver to cool below 120°F, and then press MODE button to stop beeping.

AUTO SHUT DOWN

This remote control has an auto shut down feature incorporated into its system. When the transmitter mode is in the ON position, the appliance will only run for 9 hours. After that it will shut down. To reactivate the appliance, press the **MODE** button.

CP (CHILDPROOF) FEATURE

This remote control includes a childproof feature that allows the user to “lock-out” operations from the transmitter.

- To activate and de-activate the childproof feature, press and hold the **SETTING** button behind the battery cover for 5 seconds (The letters “CP” will briefly appear on the LCD screen when childproof mode is activated).
- “CP” will appear on the LCD screen if any button is pressed while childproof mode is engaged.
- When this mode is engaged, all auto settings go on without interruption (like thermostat). Only manual functions are prevented.

BATTERY LIFE

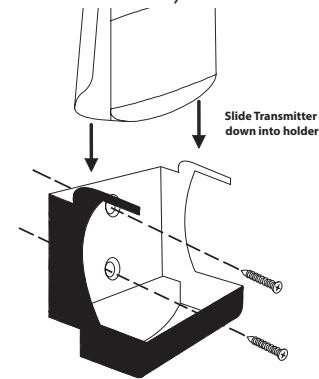
Life expectancy of the alkaline batteries in the transmitter should be at least 12 months. Check and replace all batteries:

- Annually.
- When operating range becomes reduced.
- When transmissions are not received by the remote receiver.
- If the hand held transmitter batteries measure less than 2.5 volts (Both batteries in combination).

TRANSMITTER WALL BRACKET

The transmitter can be hung on a wall using the clip provided.

- Wood - Drill 1/8” pilot holes and install with screws provided.
- Plaster/Wallboard - Drill 1/4” holes. Use a hammer to tap in the two plastic anchors. Then install the screws provided.



TROUBLE SHOOTING

If you encounter problems with your fireplace system, the problem may be with either the fireplace itself or with the remote. Review the fireplace manufacturer’s operation manual to make sure all connections are properly made. Then check the operation of the remote in the following manner:

- Make sure all batteries are correctly installed in the transmitter. Also check that the batteries are fully charged.
- Check batteries in transmitter to make sure contacts are touching (+) and (-) ends of battery. Bend metal contacts in for tighter fit.
- Be sure receiver and transmitter are within 20’- 25’ operating range.
- Keep receiver from temperatures exceeding 130° F. Battery life will be shortened if exposed to high temperatures.
- If receiver is installed in a tightly enclosed metal surrounding, the operating distance will be shortened.
- Make sure the hand-held transmitter and remote receiver are communicating properly (see **LEARNING TRANSMITTER TO RECEIVER** section).

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Industry Canada license - exempt RSS standard(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference, and

(2) This device must accept any interference, including interference that may cause undesired operation of the device. Cet

appareil est conforme aux normes RSS exemptes de licence d'Industrie Canada.

Le fonctionnement est soumis aux deux conditions suivantes:

(1) Cet appareil ne doit pas causer d'interférences et

(2) Cet appareil doit accepter toute interférence, y compris les interférences pouvant entraîner un fonctionnement indésirable de l'appareil.

This device complies with RSS 210 of Industry Canada. This Class B device meets all the requirements of the Canadian interference-causing equipment regulations. Cet appareil est conforme à la norme RSS 210 d'Industrie Canada. Cet appareil de classe B respecte toutes les exigences du règlement canadien sur le matériel brouilleur.

LIMITED WARRANTY

1. **Limited Warranty.** Skytech II, Inc. ("Skytech") warrants that each new Skytech Remote Control System, including all hardware, parts and components (the "System"), when used in accordance with the instructions furnished by Skytech provided with each System, shall be free in all material respects of defects in material and workmanship, subject to proper installment and normal use (the "Warranty"). The Warranty extends only to the original retail purchaser of the System (the "Customer"), is not transferable, and expires upon any sale or transfer of the System by the Customer.
2. **System Sold As Is.** Subject to this Warranty and any applicable state law, each System is sold by Skytech to a Customer on an "as is" basis. In addition, each System and Skytech's obligations are and remain subject to all additional disclaimers, limitations, reservations of rights, exclusions, and qualifications set forth on Skytech's website, www.skytechpg.com, all of which are considered part of the Warranty and are incorporated herein (collectively, the "Additional Terms"). Each Customer, by purchasing and/or using any System or any portion thereof, does so subject to the Warranty and the Additional Terms.
3. **Repair or Replacement of System or Parts.** Should any System, or any hardware, components and/or parts contained therein fail due to a defect in workmanship or material provided by Skytech after the purchase of a System by a Customer, Skytech shall repair or, at its option, replace the defective System or part, hardware, or component, subject to the Customer's compliance with all terms and conditions contained herein governing service and claims under the Warranty. Skytech shall provide replacement parts at no charge for the first (5) five years of this warranty, and at market cost for the Lifetime of the product to the Customer. Gas valve and gas valve components will be available at no charge for one (1) year. If Skytech does not have the parts for an individual model, then a replacement System will be provided at no charge within the first (5) five years after purchase, and then at market cost for the Lifetime of that product to the Customer.
4. **Warranty Claims; Skytech Service.** To submit a valid claim under the Warranty (each, a "Valid Claim"), a Customer must comply with the following:
 - (a) Provide written notice to a Skytech or an Authorized Dealer ("Dealer") and provide the Name, Address and Telephone Number of the Customer.
 - (b) Describe the System model number and nature of the defect, nonconformity, or other problem with the System;
 - (c) Provide such notice within thirty (30) days of discovery of such defect, nonconformity, or problem;
 - (d) Obtain a Return Merchandise Authorization ("RMA") number from Skytech by calling (855) 498-8324; and
 - (e) Securely pack and ship the defective System to Skytech at 9230 Conservation Way, Fort Wayne, IN 46809, at the Customer's cost, within thirty (30) days from the date Skytech issued the RMA to the Customer with the RMA number clearly marked on the outside of the box containing the returned System.

Any shipment that does not meet all the Valid Claim requirements may be refused by Skytech. Skytech is not responsible for any refused shipments, or any damage caused due to shipping, whether or not it was a Valid Claim. Skytech shall be responsible for return shipment charges for any System returned should Skytech determine there is no defect with the System, reject for failure of the Customer to submit a Valid Claim, or otherwise determine is not eligible for service under the Warranty.

Upon receipt of a Valid Claim and the properly returned System, Skytech shall, at its option, either (a) repair the System, at no charge to the Customer, or (b) replace the returned System with a new System, at no charge to the Customer, or (c) provide the Customer with a refund in an amount equal to the price paid by the Customer for the defective System. Any System or hardware, component or part repaired by Skytech hereunder, or any replacement System, hardware, component or part shall be shipped to the Customer by Skytech at Skytech's cost and the Warranty, the Additional Terms, and all other terms and conditions set forth herein shall extend to such repaired or replacement System, hardware, component or part. No refund shall be paid by Skytech before the defective System, hardware, component and/or part are received by Skytech from the Customer. Any obligation of Skytech under this Section 4 shall be and remain subject to Skytech's right to physically inspect the defective System, hardware, component and/or part returned to Skytech by the Customer.

5. Some States do not allow the exclusion or limitation of incidental and consequential damages or limitation on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific rights and you may have other rights, which vary from state, province, or nation. To the extent allowable under any law, the liability of Skytech is limited to the express terms of this warranty, and Skytech expressly disclaims all implied warranties, including any warranties of fitness for a particular purpose or merchantability.

How to Obtain Service:

In addition to the foregoing, contact Skytech or your Skytech Dealer direct with the following information:

- Name, Address, Telephone Number of Customer
- Date of Purchase, Proof of Purchase
- Model Name, Date Code of Product, and any relevant information or circumstances, concerning installation, mode of operation and/or when defect was noted

Warranty claim process will start with all this information. Skytech reserves the right to physically inspect the product for defects, by authorized representatives.

Print information below and return form to:

Skytech Products Group, 9230 Conservation Way,
Fort Wayne, IN. 46809; Attn. Warranty Dept
Phone: (855) 498-8224

Warranty Information

Purchase Date: _____ Model: _____ Date Code: _____

Note: Date code may be in one of two formats -

(1) Printed 4-digit number: YYMM format. Example: 2111 = 2021, November

(2) Check box with date code marked: 2-year boxes and 1-12 month box format. Example:

21'	<input checked="" type="checkbox"/>	1	2	3	4	5	6
22'	<input type="checkbox"/>	7	8	9	10	11	12

= 2021, November

Purchased From: _____

Customer Name: _____ Phone: _____

Address: _____

City: _____ State/Prov. _____ Zip/Postal Code _____

E-mail Address: _____

Please send a "Proof of Purchase" (original receipt) copy along with your warranty form.

For Technical Service, call:

U.S. INQUIRIES

(855) 498-8324 or (260) 459-1703

CANADIAN INQUIRIES

(877) 472-3923

Skytech Products Group
9230 Conservation Way
Fort Wayne, IN 46809
Sales: (888) 672-8929
Web site: www.skytechpg.com

MANUFACTURED EXCLUSIVELY FOR SKYTECH II, INC

