



**Model: 3301P2**

**INSTALLATION AND OPERATING INSTRUCTIONS**

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

**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.

**INTRODUCTION**

This SKYTECH remote control system was developed to provide a safe, reliable, and user-friendly remote control system for gas heating appliances. The system can be operated thermostatically, manually or with the built-in factory program inside the transmitter. The built-in program has two segments, a weekday and a weekend segment. The factory presets are time periods for each day as shown in Table 1. SEE PROGRAM SEQUENCE BELOW. Custom programming may be achieved after the initial setup has been performed.

This system operates on radio frequencies (RF) within a 20-foot range using non-directional signals. The system operates one of 1,048,576 security codes that are programmed into the transmitter at the factory; the remote receiver's code must be matched to that of the transmitter prior to initial use.

Review **COMMUNICATION SAFETY** under **TRANSMITTER** section and **THERMO SAFETY** under **REMOTE RECEIVER** section. These signal/temperature safety features shut down the fireplace system when a potentially unsafe condition exists.

| Built-in Factory Programs                     |                                 |                       |                                |
|-----------------------------------------------|---------------------------------|-----------------------|--------------------------------|
| <b>Weekdays</b> - Mon. Tues. Wed. Thurs. Fri. |                                 |                       |                                |
| <b>Program 1 (P1)</b>                         | 5:00AM → 9:00AM<br>MORN<br>72°  | <b>Program 2 (P2)</b> | 4:00PM → 10:00PM<br>DAY<br>72° |
| <b>Weekends</b> - Sat. Sun.                   |                                 |                       |                                |
| <b>Program 1 (P1)</b>                         | 6:00AM → 10:00AM<br>MORN<br>72° | <b>Program 2 (P2)</b> | 5:00PM → 10:00PM<br>DAY<br>72° |

**Table 1**

The transmitter operates on (2) AAA 1.5V batteries that are included. Install the 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.

## INITIAL SET-UP OF TRANSMITTER

To begin the initial set-up proceed with the following steps:

1. Remove the battery cover on the back of the transmitter. Insert (2) **ALKALINE** AAA size 1.5 DCV batteries into the battery compartment, positioning the (+) and (-) ends of the batteries as indicated on the casing. When the batteries are inserted properly, the backlit LCD screen will light.

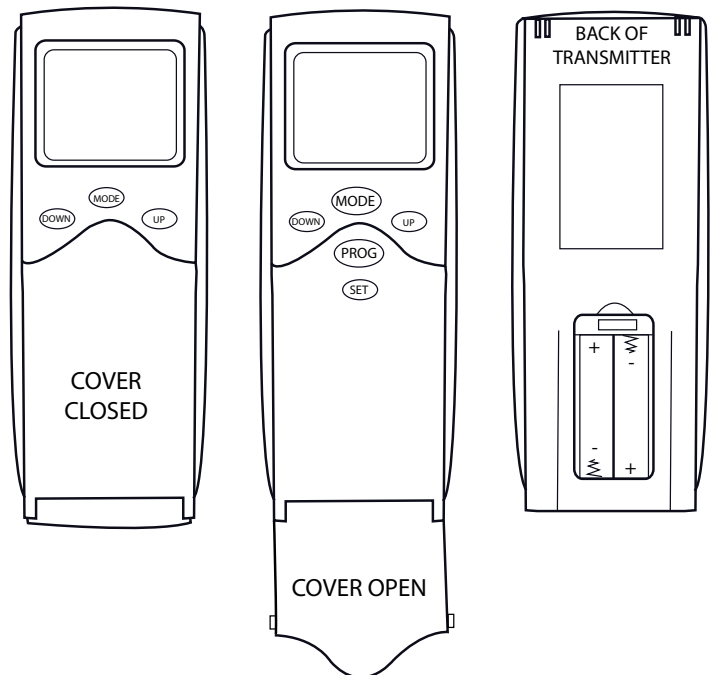


Fig. 1 Transmitter Front and Back views.

2. Press and hold the **SET** button for 5 seconds. The hour section will begin to flash (Fig. #2). Use the **UP** and **DOWN** buttons to select the hour, then press **SET** to confirm your setting.

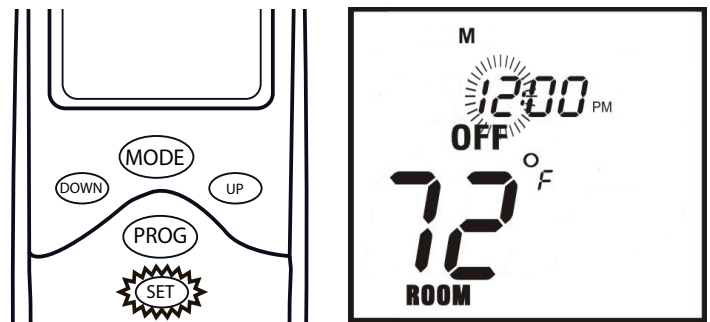


Fig. 2 Setting Hours

3. The minutes will be flashing. Use the **UP** and **DOWN** buttons to select the minutes, then press **SET**. (Fig. #3) to confirm your setting.

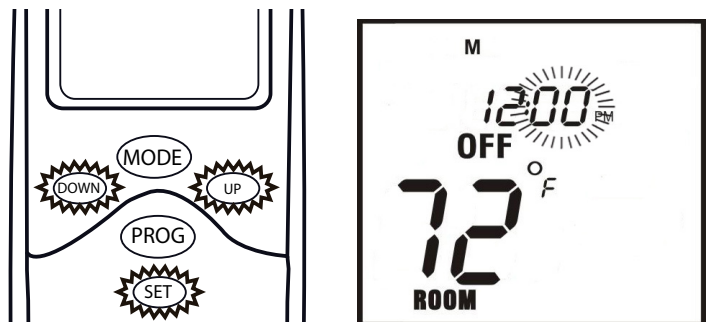


Fig. 3 Setting Minutes

4. The AM PM will be flashing. Use the UP and DOWN buttons to select AM or PM, then press SET (Fig. #4) to confirm your setting.

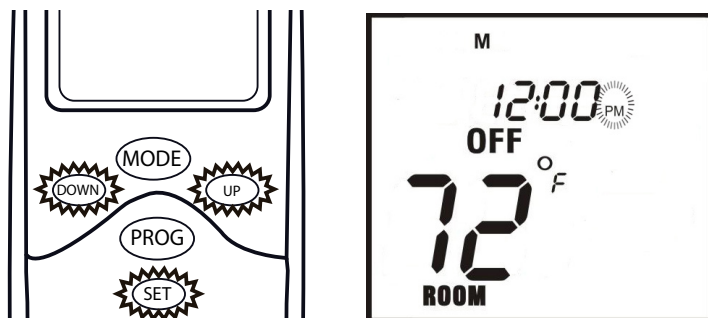


Fig. 4 Setting AM/PM

5. One of the days of the week will be flashing (above the clock). Select what day it is by pressing the UP and DOWN buttons, then press SET. Your time will automatically be accepted (Fig. #5) to confirm your setting.

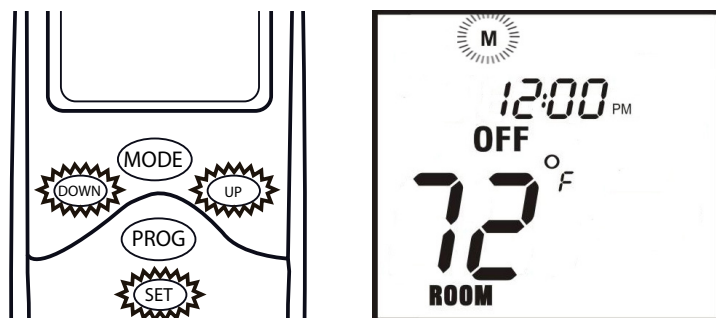


Fig. 5 Setting Day of Week

### SETTING °F / °C SCALE

The factory setting for temperature is °F (Fahrenheit) . To change this setting to °C (Celsius) , press and hold the UP button and the DOWN buttons on the transmitter at the same time. Follow this same procedure to change from °C (Celsius) back to °F (Fahrenheit).

1. **LOW BATTERY ICON** - Battery power is low when icon appears. Replace batteries within 2-weeks.
2. **MODE** - Indicates operation mode of system.
3. **FLAME**- Indicates the burner/valve in operation or turned ON.
4. **ROOM** - Indicates CURRENT room temperature.
5. **SET**- Indicates desired SET room temperature in Thermo operation.
6. **FAHRENHEIT/CELSIUS** – Indicates degrees Fahrenheit or Celsius.
7. **DAY OF WEEK** – Indicates current day of week, or program segment when editing program settings.
8. **PROGRAM ON/OFF** – Indicates when Program 1 (P1) is ON or OFF, and indicates when Program 2 (P2) is ON or OFF.
9. **TIME and PROGRAM TIME** – Indicates current time or program time setting when editing program settings.

### LCD – LIQUID CRYSTAL DISPLAY

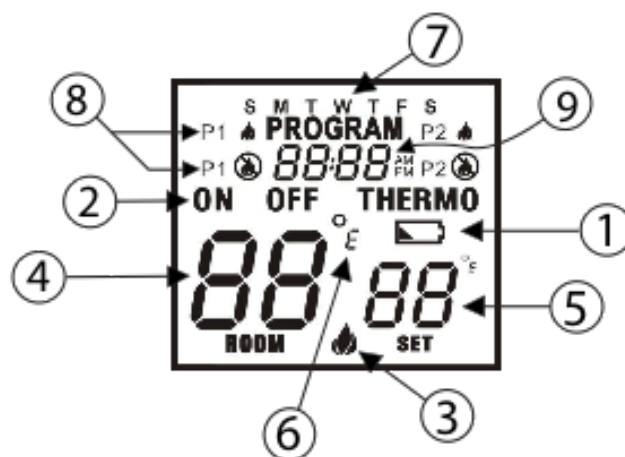


Fig. 6 LCD Display Screen.

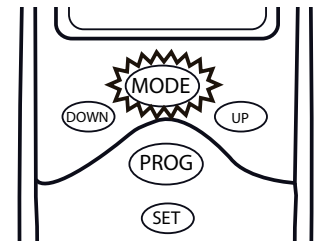
## **BASIC TRANSMITTER FUNCTIONS**

To operate the transmitter, first press the MODE button until the LCD screen reads OFF in the display (Fig. 8).

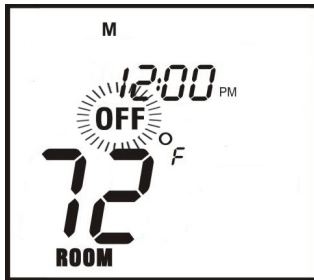
**Step 1:** Press the MODE button one time to manually turn **ON** the appliance (Fig. 9).

**Step 2:** Press the MODE button a second time to put the system in **THERMO** mode (See Fig. 10).

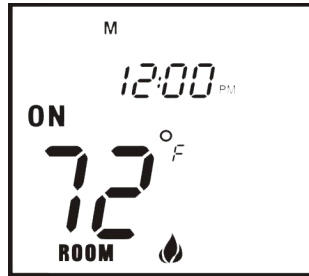
**Step 3:** Press the MODE button a third time to turn the appliance back **OFF** again as show in Fig. 8.



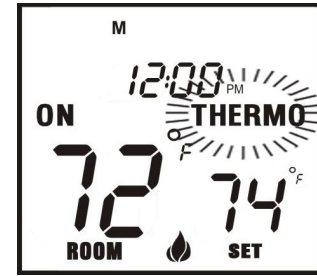
**Fig. 7 Mode Button use.**



**Fig. 8 OFF Mode**



**Fig. 9 Manual ON**



**Fig. 10. Thermo Mode**

This remote control system can be thermostatically controlled when the transmitter is in the THERMO mode (THERMO must be displayed on the screen). To set the desired room temperature, press the MODE button to place the transmitter into THERMO mode, then press the UP or DOWN buttons to select the desired room temperature. The highest set temperature is 99 °F (32 °C). The lowest set temperature is 45° F (7 °C).

**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. See page 9 to adjust the swing temperature.

## **THERMO UPDATING FEATURE - TRANSMITTER**

When in THERMO mode, the transmitter reads the ROOM temperature every 2 minutes, checks the room temperature against the SET temperature then sends a signal to the receiver.

## **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.

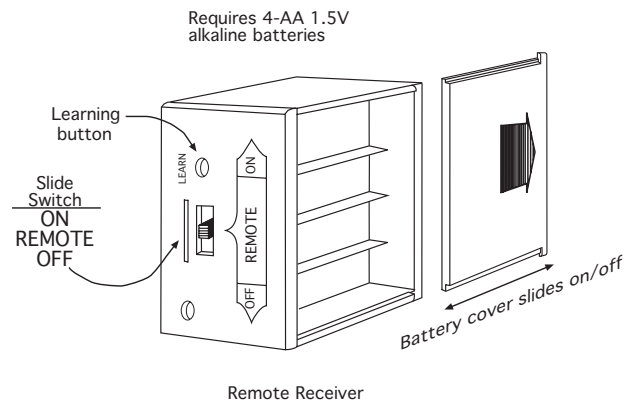
The remote receiver has a 3-position slide switch for selecting the mode of operation ON/REMOTE/OFF.

**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.

**NOTE:** It is suggested that the slide switch be placed in the **OFF** position if you will be away from your home for vacation or an extended period of time.



**Fig. 11 Remote Receiver**

## 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 power. 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 INSTRUCTIONS

The remote receiver can be **Wall Mounted** into a standard plastic switch box or (**Hearth Mounted**) placed on or near the fireplace hearth. Determine where you will install the receiver before proceeding. Preferably, the remote receiver should be wall-mounted in a plastic switch box, as this will protect its electronic components from both the heat produced by the gas appliance and potential damage or abuse that can occur if it is left exposed on the hearth. PROTECTION FROM EXTREME HEAT IS VERY IMPORTANT. Like any piece of electronic equipment the receiver should be kept away from temperatures exceeding 130°F inside the receiver case. Battery life is also significantly shortened if batteries are exposed to high temperatures.

When installing the receiver into a switch box ensure the receiver switch is in the **OFF** position before installation. The receiver is supplied with 18-inches of wire. If additional wire is required it is recommended that 18 gauge stranded or solid wires (not included) be used to make connections between the terminal wiring block on the millivolt gas valve or electronic module and the wire terminals on the remote receiver. For the best results, use 18 gauge stranded or solid wire, splice into the black wires of the receiver or remove the black wires and install wires directly to the receiver. Be sure no splices measure longer than 20-feet and allow ample wire to remove the receiver for annual battery replacement.

### MOUNTING THE REMOTE RECEIVER

**First**, install (4) AA-size 1.5 **ALKALINE** batteries in the remote receiver (Fig 11). For best performance, remote receiver batteries should be factory fresh when installed. The system operates best when battery output is greater than 5.3 volts. Four (4) new AA batteries should provide an output voltage of 6.0 to 6.2 volts. **Be sure batteries are installed with the (+) and (-) ends facing the correct direction.**

**Next**, attach wall mount cover plate to receiver box (Fig. 12):

Position the receiver as shown in the diagram to the left with lower tab on wall mount cover plate inserted into groove of receiver. Move the receiver up and snap into top tab of cover plate.

Position the cover plate so the word **ON** is facing up (Fig. 13); then, install the remote receiver into the plastic switch box using the two long screws provided. Push the slide button over the receiver slide switch only after making sure the remote receiver has **LEARNED** the transmitter's security code (see **LEARNING TRANSMITTER TO RECEIVER**).

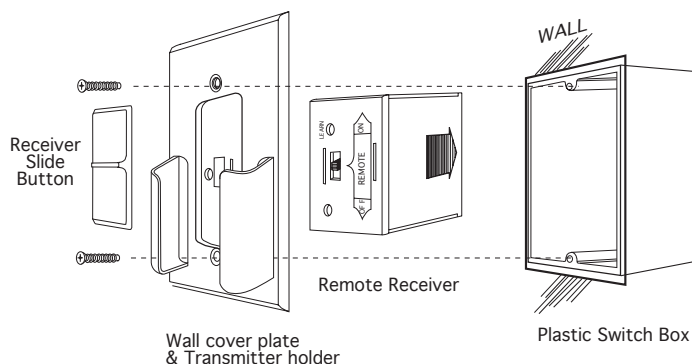
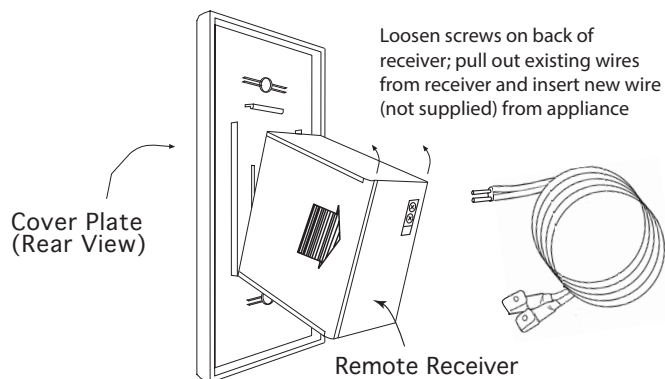


Fig. 12. Wall plate to receiver.

Fig. 13. Installing receiver into switch box.

**NOTE:** The remote receiver will only respond to the transmitter when the 3-position slide button on the remote receiver is in the (middle) REMOTE position. If the system does not respond to the battery transmitter on initial use, see LEARNING TRANSMITTER TO RECEIVER section, and re-check battery positions in the remote receiver.

## **HEARTH MOUNT**

The remote receiver can be placed on the fireplace hearth or under the fireplace, behind the control access panel or louvers. Position where the ambient temperature inside the receiver case does not exceed 130°F. **NOTE:** The black *Slide Button* (included) should be installed on the receiver for Hearth Mount applications.

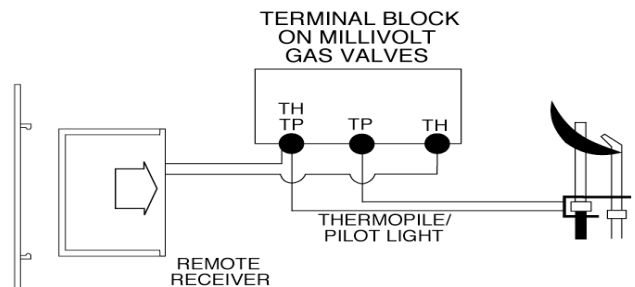
## **WIRING INSTRUCTIONS**

A qualified electrician or a gas technician who is trained with gas appliances 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 must be connected to the millivolt valve at the **TH & TH/TP** (thermostat) terminals on the terminal block on the millivolt gas valve. Connect 18 gauge stranded or solid 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.

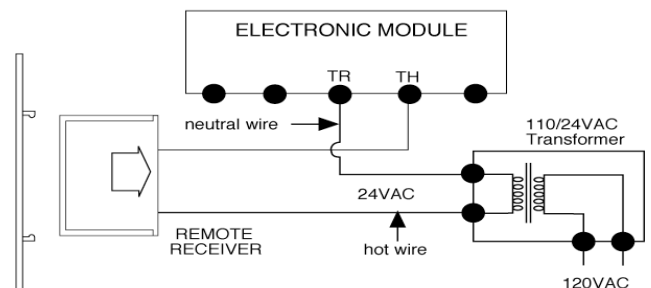


**Fig. 14.** Millivolt Gas Valve Wiring

Connect one black wire from the receiver to the **TH** terminal and the other black wire to the **TH/TP** terminals on the millivolt gas valve. Normally it does not matter which wires go to which terminal (Fig. 14).

### **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** (Fig. 15).



**Fig. 15.** Electronic Spark Wiring



## **SYSTEM CHECK**

### **MILLIVOLT VALVES**

Light the gas appliance following the lighting instructions that came with the appliance. Confirm that the pilot flame is **ON**; and the control knob on the gas valve is in the **ON** position for the main gas valve to operate.

- Slide the 3-position button on the remote receiver to the **ON** position (Fig. 16). The main gas flame (fire) should light.
- 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 **MODE** button on the transmitter to change the system to **ON**. The main gas flame should ignite.
- Press the **MODE** button on the transmitter to change 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. Place 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.)

### **ELECTRONIC IGNITION SYSTEMS**

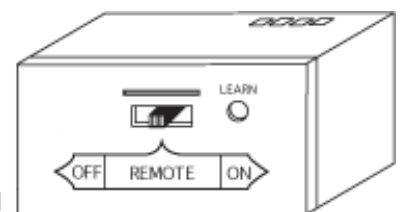
Light the gas appliance following the lighting instructions that came with the appliance. Confirm that the pilot flame is **ON**; and the control knob on the gas valve is in the **ON** position for the main gas valve to operate.

- 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 **MODE** button on the transmitter to change 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 **MODE** 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 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. Place the **SET** temperature 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**

Each transmitter uses a unique security code. It will be necessary to press the **LEARN** button on the receiver to accept the transmitter security code upon initial use, if batteries are replaced, or if a replacement transmitter is purchased from your dealer or the factory. In order for the receiver to accept the transmitter security code, be sure the slide button on the receiver is in the **REMOTE** position; the receiver will not **LEARN** if the slide switch is in the **ON** or **OFF** position. The **LEARN** button is located on the front face of the receiver; inside the small hole labeled **LEARN**. Using a small screwdriver or end of a paperclip gently press and release the black **LEARN** button inside the hole. When you release the **LEARN** button the receiver will emit an audible “beep”. After the receiver emits the beep press the transmitter **MODE** button and release. The receiver will emit several beeps indicating that the transmitter’s code has been accepted into the receiver.

The microprocessor that controls the security code matching procedure is controlled by a timing function. If you are unsuccessful in matching the security code on the first attempt, wait 1-2 minutes before trying again – this delay allows the microprocessor to reset its timer circuitry – and try up to two or three more times.



**Fig. 16.** Learning

## PROGRAM OPERATION OF THE TRANSMITTER

### BUILT-IN FACTORY PROGRAM

This remote has two program segments: A weekday segment and a weekend segment. To enter program mode, push the **PROG** button; the word PROGRAM will appear above the display time to indicate program operation is active.

You may change any of the factory settings in Table 2 by following the procedures shown below. Should you desire to return to the factory program, follow the procedures under heading **PROGRAM REVIEW**.

|         | Weekends (Sat. - Sun.) |         |      | Weekdays (Mon. - Fri.) |         |      |
|---------|------------------------|---------|------|------------------------|---------|------|
| Program | ON                     | OFF     | TEMP | ON                     | OFF     | TEMP |
| P1      | 6:00AM                 | 10:00AM | 72°F | 5:00AM                 | 9:00AM  | 72°F |
| P2      | 5:00PM                 | 10:00PM | 72°F | 4:00PM                 | 10:00PM | 72°F |

**Table 2** Built-in program. P1 (Programs Mornings only). P2 (Programs Evenings only)

### PROGRAMMING THE TRANSMITTER TO YOUR CUSTOM SETTINGS

Fig. 17 Shows LCD display program settings outlined below.

1. Program Segment: Program 1 (P1) left hand side of screen; Program 2 (P2) right hand side of screen).
2. Flame On: Time when you want your appliance to turn ON.
3. Flame Off: Time when you want your appliance to turn OFF.
4. Weekend Segment: Saturday and Sunday.
5. Weekday Segment: Monday through Friday.

#### **NOTE:**

**P1 Can only be set from 12:00AM (midnight) to 12:00PM (noon)**

**P2 Can only be set from 12:00PM (noon) to 12:00AM (midnight)**

The transmitter built-in program is exactly the same for each weekday and weekend day. If desired, you may change a the weekend or weekday settings of the built-in program. Use the blank table on the next page and fill in your customized settings. You **cannot** change individual days, only the entire weekend or weekdays. To change the transmitter programs open the front cover and complete the following steps:

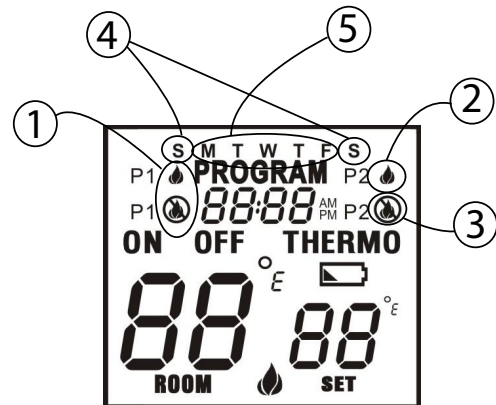
**NOTE:** Program times are in 15-minute segments.

**Step 1:** Press the **PROG** button and hold for 5 seconds, the program section of the LCD screen will begin to flash.

**Step 2:** P1 "ON" (flame icon) and "S S" (weekend segment) will be flashing. Select the time you want your appliance to turn ON by using the UP and DOWN buttons. Then press **SET** button (See Fig. 18).

**Step 3:** P1 "OFF" (flame icon crossed out) will be flashing. Select the time you want your appliance to turn OFF. Then press **SET** button (See Fig. 19).

**Step 4:** The set temperature will begin to flash. Use the UP and DOWN buttons to select a temperature for P1, then press **SET** button (See Fig. 20)



**Fig. 17.** Program Settings



**Fig. 18.** Flashing weekend segments, time, P1 and flame "ON" icon



**Fig. 19.** Flashing weekend segments, time, P1 and flame "OFF" icon



|         | Weekends (Sat. - Sun.) |     |      | Weekdays (Mon. - Fri.) |     |      |
|---------|------------------------|-----|------|------------------------|-----|------|
| Program | ON                     | OFF | TEMP | ON                     | OFF | TEMP |
| P1      |                        |     |      |                        |     |      |
| P2      |                        |     |      |                        |     |      |

**Table 3:** Blank table to record custom programming

**Step 5:** Now the P2 “ON” (flame icon) will begin to flash. Select the time you want your appliance to turn on by using the UP and DOWN buttons. Then press **SET** button. (See Fig. 21).

**Step 6:** P2 “OFF” (flame icon crossed out) will be flashing. Select a time you want your appliance to turn OFF. Then press **SET** button (See Fig. 22).

**Step 7:** The set temperature will begin to flash. Use the UP and DOWN buttons to select a temperature for P2, then press **SET** button.

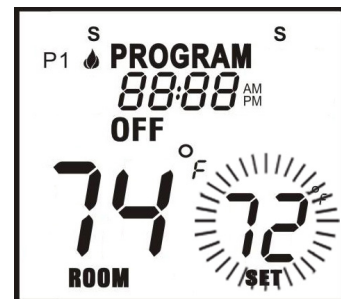
“MTWTF” (Weekday Segment) will now replace “S S” (Weekend Segment). P1 “ON” (flame icon) will be flashing. Repeat the above steps to set the ON and OFF times and set temperatures for weekdays. (See Fig. 23).

**NOTE:**

If you are in Manual Mode, then change to Program Mode during the Program Off segments, the transmitter will switch to Manual OFF.

If you are in the Thermostat Mode, then change to Program Mode during the Program OFF segments, the transmitter will switch back to Thermostat mode.

To turn the Program Mode OFF, press the PROG button. The word PROGRAM will disappear from the LCD screen remote.



**Fig. 20.** Temperature setting



**Fig. 21** Flashing weekend segments, time, P2 and flame “ON” icon



**Fig. 22.** Flashing weekend segments, time, P2 and flame “OFF” icon



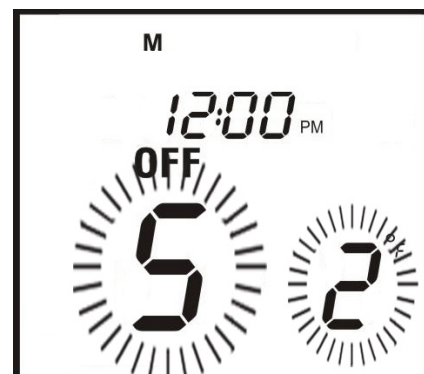
**Fig. 23.** Flashing weekday segments, time P1 and flame “ON” icon

## **ADDITIONAL PROGRAMMING - OPTIONS**

### **SETTING THE TEMPERATURE SWING (TEMPERATURE DIFFERENTIAL)**

The Thermo Mode on the transmitter 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. The factory preset swing temperature is 2° F (1° C). To change the “swing” setting:

- Press the SET button and the DOWN button simultaneously to display the current “swing” setting in the set temp frame. The letter “S” will display in the room temp frame on the LCD screen.
- Press the UP or DOWN button to adjust “SWING” temperature (1°-3° F) (1°-2° C).
- To store the “swing” setting press the SET button, and the new “swing” setting will be automatically programmed. (See Fig. 24)

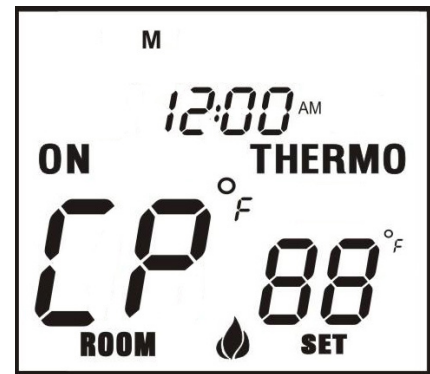


**Fig. 24.** Setting swing temperature

## **CHILDPROOF (CP) “LOCK-OUT”**

This remote control includes a CHILDPROOF “LOCK-OUT” feature that allows the user to “LOCK-OUT” operation of the appliance from the TRANSMITTER.

- To activate the “LOCK-OUT” feature, press and hold the UP button and the SET button together for 5 seconds. The letters “CP” will appear on the LCD screen.
- To disengage the “LOCK-OUT”, press and hold the UP button and the SET button together for 5 seconds or more, the letters “CP” will disappear from the LCD screen and the transmitter will return to its normal operating condition.
- When the Transmitter is in “LOCK-OUT” mode, automatic functions (like thermostat) will turn ON without interruption; only manual functions are prevented. (See Fig. 25)



**Fig. 25.** CP Childproof lock-out)

## **GENERAL INFORMATION**

### **COMMUNICATION - SAFETY (C/S - TX)**

This remote control has a COMMUNICATION –SAFETY function built into its software. It provides an extra margin of safety when the Transmitter is out of the normal 20-foot operating range of the receiver.

At all times and in all OPERATING MODES, the transmitter sends an RF signal every 15 minutes, to the receiver, indicating that the transmitter is within the normal operating range of 20-feet. Should the receiver NOT receive a transmitter signal every 15 minutes, the receiver, will begin a 2-hour (120 minute) countdown timing function. If during this 2-hour period, the receiver does not receive a signal from the transmitter, the receiver will shut down the appliance being controlled by the receiver. 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 4 seconds until a transmitter MODE button is pressed to reset the receiver.

To “reset” the RECEIVER and operate the fireplace system, you must press the MODE button on the transmitter. The word ON must display on the LCD screen. By turning the system to ON, the COMMUNICATION SAFETY operation is overridden and the system will return to normal operation depending on the MODE selected at the transmitter. The COMMUNICATION SAFETY feature will reactivate should the transmitter be taken out of the normal operating range or should the transmitter’s batteries fail or be removed.

### **THERMO SAFETY FEATURE**

If the receiver at anytime should reach 130°F, the receiver will automatically shut down and begin to beep 4 beeps every 2 seconds. Once the temperature has dropped between 120°F and 130°F, the user can reactivate the appliance by pressing the MODE button, but the beeping will continue until temperatures drop below 120°F. This is to tell the user that the receiver needs to be relocated to reduce temperatures.

If this situation happens, the receiver should be placed somewhere else where it will not reach temperatures in excess of 130°F.

### **BATTERY LIFE**

Life expectancy of the alkaline batteries in the transmitter and receiver 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 remote receiver batteries measure less than 5.3 volts (all four batteries in combination).
- If the hand held transmitter batteries measure less than 2.5 volts (both batteries in combination).

## **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 and receiver. 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 is within 20 to 25-foot 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).

## **SPECIFICATIONS**

**BATTERIES:** Transmitter 3.0V- 2 ea. AAA 1.5V, Alkaline  
Remote Receiver 6V – 4ea. AA 1.5 Alkaline  
Operating Frequency: 303.8MHZ

## **FCC REQUIREMENTS**

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THE EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT

### **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 interferencecausing 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](http://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 Support: (888) 699-6167  
Website: [www.skytechpg.com](http://www.skytechpg.com)

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