Model: 5301P

INSTALLATION AND OPERATION INSTRUCTIONS

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

INTRODUCTION

This 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; weekdays and weekend segments. The Factory pre-sets are time periods for each day: SEE PROGRAM BELOW. Custom programming may be achieved after the initial setup has been performed.

This system operates on a radio frequency (RF) within a 6 meter range using non-directional signals. The system operates one of 1,048,476 security codes that are programmed into the transmitter at the factory. The remote receiver code must be matched to that of the transmitter prior to initial use.

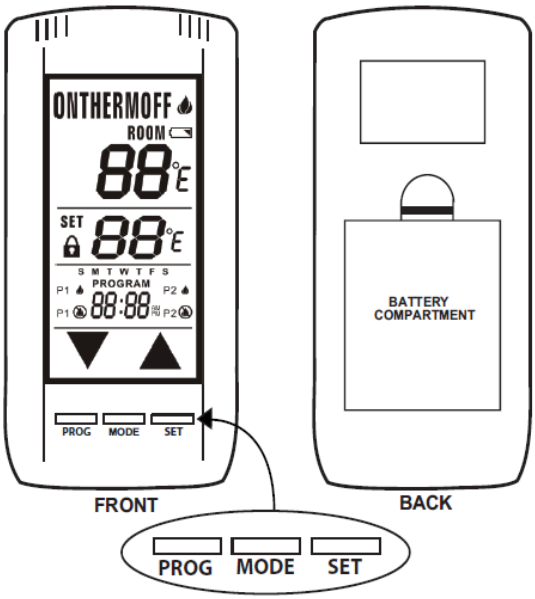
Built-in Factory Programs

Weekdays– Mon. Tues. Wed. Thurs. Fri.

	MORN		DAY	
Program 1 (P1)	5:00AM →	9:00AM	**Program 2 (P2)** 4:00PM →	10:00PM
	20 ºC		20 ºC	

Weekends—Sat. Sun.

	MORN		DAY	
Program 1 (P1)	6:OOAM →	10:00AM	**Program 2 (P2)** 5:00PM →	10:00PM
	20 ºC		20 ºC	

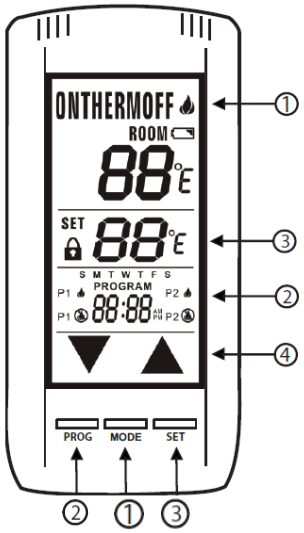


TRANSMITTER

The transmitter operates with four 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.**

When you start up the remote, if a low battery signal appears or if they LCD screen does not illuminate when touched, check battery position and if the batteries are fully charged.

Review COMMUNICATION SAFETY under TRANSMITTER section.



KEY TOUCH SCREEN SETTINGS

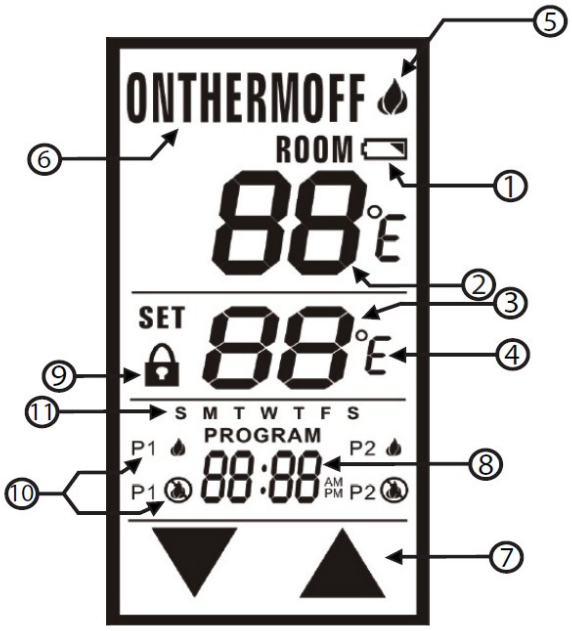
1. MODE: Switches the appliance On/Thermo/Off.

2. PROGRAM: Turn on and off the program function.

3. SET: Used in different functions to confirm settings.

4. UP/DOWN : Used to change the time, set temperature, and programming functions.

LCD: LIQUID COLOUR DISPLAY



1. BATTERY ICON : If battery power is low. Replace Batteries in 2 - 4 weeks.

2. ROOM : Indicates the CURRENT room temperature.

3. SET: Indicates desired room temperature for the THERMO operation.

4. FAHRENHEIT/CELSIUS: Indicates the degrees in Fahrenheit or Celsius.

5. FLAME: Indicates burner/valve in operation.

6. MODE: Indicates operation mode of system.

7. UP/DOWN: These are used to adjust the Time, Set temperature, and Program functions.

8. TIME/PROGRAM TIME: Indicates current time or program time setting when editing program settings.

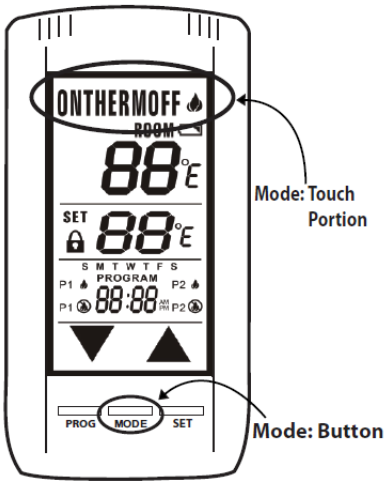
9. LOCK ICON: Disables the transmitter when lock is visible on the LCD screen.

10. PROGRAM ON/OFF: Indicates when Program 1 (P1) and Program 2 (P2) is on or off.

11. DAY of the WEEK - Indicates current day of week or the program segment when editing the program settings.

BASIC TRANSMITTER FUNCTIONS AND INITIAL SETUP

NOTE: Touch anywhere on the screen and the back light will light up for 5 seconds.



MODE FUNCTION

To select an operation mode, press the MODE button or touch the MODE SECTION at the top of the LCD screen.

- **ON:** turns the appliance ON, the flame icon will appear.
- **THERMO:** sets the remote to Thermostatic mode.
- **OFF:** turns the appliance OFF, the flame icon will disappear.

SETTING ºF/ ºC SCALE

The factory setting for temperature is ºF. To change this setting to ºC, press and hold the **UP** button and the **DOWN** button on the transmitter at the same time.
Follow same procedure to change from ºC back to ºF.

NOTE: When changing between the ºF and ºC scales, the set temperature defaults to the lowest temperature (45 ºF, or 6 ºC).

SETTING THE CLOCK

• Press and hold the **SET** button, or touch the SET section on the touch screen, for five seconds. The hour section should begin to flash. (See Fig. 1)

• Use the **UP** and **DOWN** touch buttons to select the hour, then press **SET**.

• The minutes will be flashing. Use the **UP** and **DOWN** buttons to select the minute. Then press **SET**. (See Fig. 2)

• The AM PM will be flashing. Use the **UP** and **DOWN** buttons to select one of them. Then press **SET**. (See Fig. 3)

- One of the days of the week will be flashing above the clock. Select the correct day by pressing the **UP** and **DOWN** touch buttons. Then press **SET**. Your time will automatically be accepted. (See Fig. 4)

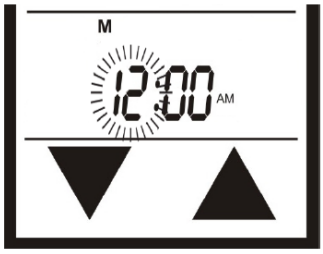


Fig. #1

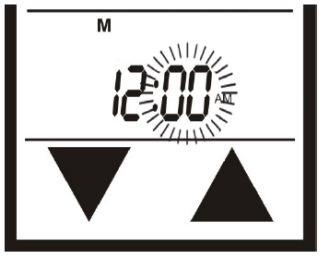


Fig. #2

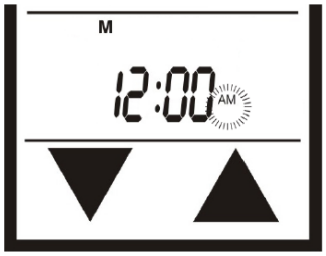


Fig. #3

Fig. #4

WARNING

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

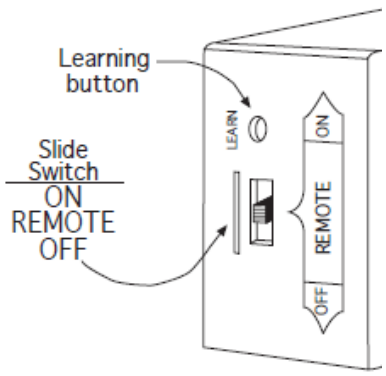
Do not connect any gas valve or electronic module directly to the 110-120VAC power. Consult gas appliance manufacturer's instructions and wiring schematics for correct placement of the wires. All electronic modules are to be wired to manufacturers specifications.

ELECTRONIC SPARK SYSTEM CHECK

- Slide the third positioned button on the remote receiver to the **ON** position. The spark electrode should begin sparking to the ignite pilot. After the pilot flame is lit, the main gas valve should open and the main gas flame should ignite.
- Slide the button **OFF.** The main gas flame and pilot flame should extinguish
- Slide the button to **REMOTE.** Then press the **ON** button on the transmitter to turn the system on. The spark electrode should begin sparking to ignite the pilot. After the pilot is lit, the main gas valve should open causing the main gas flame to ignite.

RECEIVER

The remote receiver has a third 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 when initially use, check the battery positions in the remote. If that does not work, see the TRANSMITTER TO RECEIVER section
- **OFF**: will disable the remote receiver.
- **It is recommended that the slide switch be placed in the OFF position if you will be away from your home for an extended period of time.**

TRANSMITTER TO RECIEVER

Each transmitter uses a unique security code. Press the LEARN button on the receiver to accept the transmitter security code upon initial use or 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, Slide the button on the receiver to 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 labelled LEARN. Using a small screwdriver or the 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 and 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.

THERMOSTAT FUNCTION

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** touch buttons to select the desired room temperature. The highest set temperature is 32 ºC (99 ºF).

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 at 1 ºC (2 ºF) above or below the set temperature of the room. This is to cushion the number of times the appliance is turned ON and OFF.

THERMO UPDATING FEATURE - TRANSMITTER

When in THERMO mode, the transmitter reads the room temperature every two minutes and checks the room temperature against the set temperature before sending a signal to the receiver.

PROGRAM FUNCTION

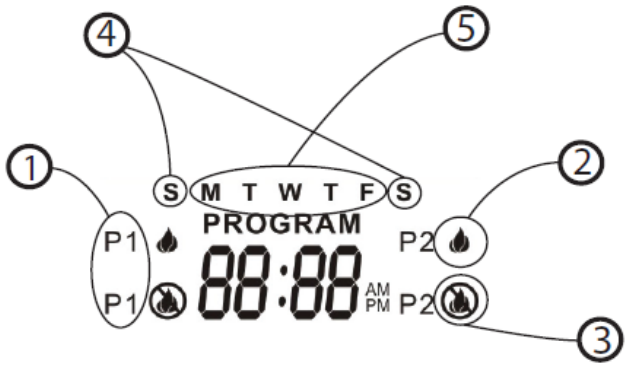
This remote has two program segments (P1 and P2): weekday segment and a weekend segment. To enter the program mode, push the **PROG** button or touch the **PROGRAM** portion of the touch screen the word program will appear above the display time to indicate the program operation is active.

THE FACTORY PRESETS ARE:

WEEKENDS	**WEEKDAY'S**
"P1 ON" 6:00AM at 20 ºC	"P1 ON" 5:00AM at 20 ºC
"P1 OFF" 10:00AM	"P1 OFF" 9:00AM
"P1 ON" 5:00PM at	"P1 ON" 4:00PM at
"P1 OFF" 10:0PM at 20 ºC	"P1 OFF" 10:0PM at 20 ºC

The user may override the program function by putting the remote in manual ON mode. When the user turns the remote back to OFF mode, the remote will resume the regular program mode with (the word PROGRAM is above the display time). To turn the program function OFF, touch the **program** portion on the touch screen or press the **PROG** button. The word PROGRAM will disappear from the LCD screen.

EDITING FACTORY PROGRAM SETTINGS



1. Program Segment: Program 1, or Program 2 (other side of the LCD screen).

2. Flame On: Flame icon shows your appliance is on.

3. Flame Off: Flame icon shows your appliance is off.

4. Weekend Segment: Saturday and Sunday.

5. Weekday Segment: Monday through to Friday.

NOTE: P1 CAN ONLY BE SET FROM 12:00AM to 12:00PM
P2 CAN ONLY BE SET FROM 12:00PM to 12:00 AM

To edit the program setting press either the PROG button or touch the program portion of the touch screen and hold for five seconds. The program section of the LCD screen will begin to flash.

- P1 ON and "S S" (Weekend Segment) should be flashing. Select the time you want your appliance to turn on by using the **UP** and **DOWN** touch buttons. Then press **SET** (See Fig. 1).

Fig. #1

Fig. #2

• P1 OFF will be flashing. Select the time you want your appliance to turn off. Then press **SET** (See Fig. 2).

• The set temperature will begin to flash. Use the **UP** and **DOWN** touch buttons to select a temperature for P1. Then press **SET** (See Fig. 3).

Fig. #3

Fig. #4

• The P2 ON should begin to flash. Select the time you want your appliance to turn on by using the **UP** and **DOWN** touch buttons. Then press **SET**. (See Fig. 4).

Fig. #5

Fig. #6

• P2 OFF will be flashing. Select a time you want your appliance to turn off. Then press **SET** (See Fig. 5).

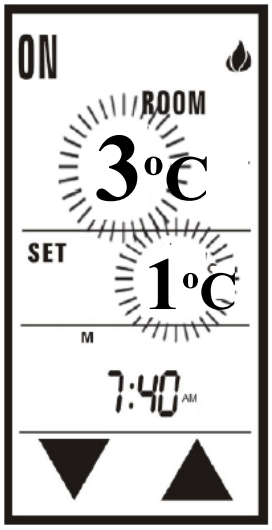
• The set temperature will begin to flash. Use the **UP** and **DOWN** touch buttons to select a temperature for P2, then press **SET**.

• "MTWTF" (Weekday Segment) will replace "S S". P1 ON will be flashing. Repeat the above steps to set the ON and OFF times and set temperatures for weekdays. (See Fig. 6)

	Weekends (Sat.—Sun.)				**Weekdays (Mon.—Fri.)**		
PROGRAM	**ON**	**OFF**	**TEMP**		**ON**	**OFF**	**TEMP**
P1							
P2							

BLANK TABLE TO RECORD CUSTOM PROGRAMMING

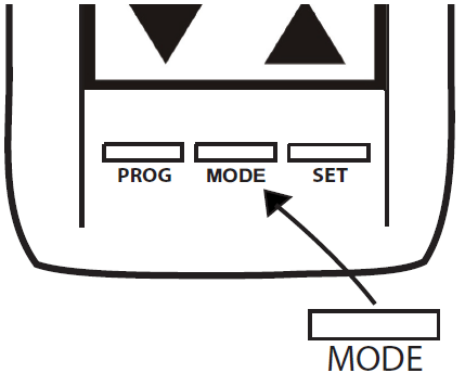
SETTING TEMPERATURE SWING (Temperature Differential)



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 pre-set swing temperature is 1 ºC (2 ºF) . To change the "Swing Setting:"

• Press the **SET** 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 the **DOWN** button to adjust the "SWING" temperature (1º-3º F) (1º-2º C).
• To store the swing setting press the **SET** button, and the new swing setting will be automatically programme

COMMUNICATION SAFETY



This remote control has a COMMUNICATION SAFETY function built into the software. It provides an extra margin of safety when the Transmitter is out of the normal six meter operating range of the receiver. At all times and in all operating modes, the transmitter sends a radio frequency signal every fifteen minutes, to the receiver. This indicates that the transmitter is within the normal operating range of six meters. Should the receiver NOT receive a transmitter signal every fifteen minutes, the receiver will begin a two hour (120 minute) countdown timing function. If during this two 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 ten seconds. Then after ten seconds of rapid beeping, the receiver will continue to emit a single "beep" every four seconds until a transmitter mode button is pressed to reset the receiver.

CHILDPROFF LOCK-OUT (CP)

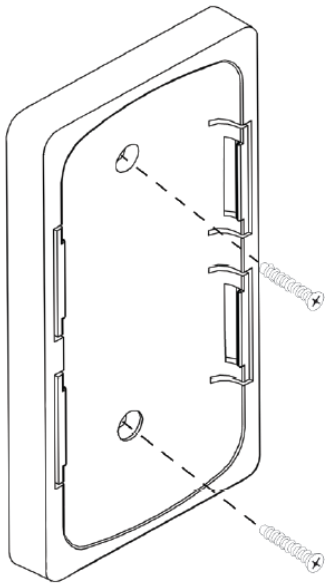
This remote control includes a CHILDPROOF "LOCK OUT" feature that allows the user to "LOCK OUT" operation of the appliance from the TRANSMITTER.

• To activate the "Lock Out" feature, press and hold the **UP** and the **SET** button simultaneously for five seconds. The lock icon will appear on the LCD screen.

• To disengage the "Lock Out", press and hold the **UP** and the **SET** button simultaneously for five seconds or more. The lock icon will disappear from the LCD screen and the transmitter will return to its normal operating condition.

• When the Transmitter is in Lock Out" mode, programmed functions will go on without interruption; Only manual functions are prevented.

TRANSMITTER WALL MOUNT



The transmitter can be placed on a wall using the mount 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 with the screws provided.

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 any of the hand held transmitter batteries measure less than 5.3 volts.

TROUBLESHOOTING

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 installed. 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 all of the batteries are fully charged.
- Check batteries in transmitter to make sure contacts are touching the correct position (+) and (-) ends of battery. Bend metal contacts in for tighter fit.
- Be sure that the receiver and transmitter are within the six to eight meter operating range.
- Keep receiver from temperatures exceeding 55ºC. Battery life will be shortened from prolonged exposure to high temperatures.
- If receiver is installed in a tightly enclosed metal surrounding, the operating distance will be shortened.
- Ensure that the hand-held transmitter and remote receiver are communicating properly (see TRANSMITTER TO RECEIVER section).

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

FOR WARRANTY INFORMATION PLEASE CONTACT AURORA CLIMATE SYSTEMS;

1300 388 953