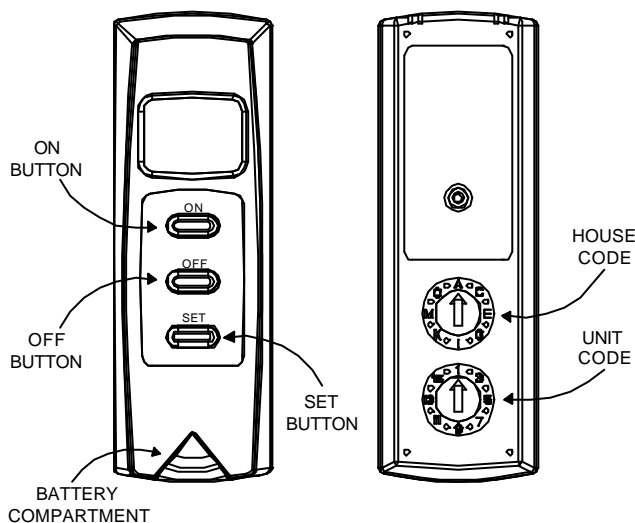SKY-4001TH

INSTALLATION AND OPERATING INSTRUCTIONS

INTRODUCTION

SKYTECH'S remote control system was developed to provide a safe, reliable and user-friendly remote control system for gas heating appliances. This all battery system operates independently of household current. The system operates on radio frequencies with a non-directional signals. The SKYTECH'S operating range is approximately 20 feet range. The system operates on one of 256 security codes that are user programmable; the remote receiver's code must be matched to that of the transmitter prior to initial use.

> **Review THERMO SAFETY SECTION under RECEIVER section. This high temperature safety feature shuts down the appliance when a potentially unsafe condition exists.**
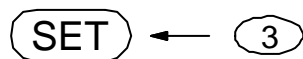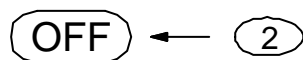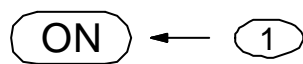
TRANSMITTER

This remote control SYSTEM offers the user a battery-operated remote control that operates most millivolt gas valves used in some heater rated gas logs, gas fireplaces and other gas heating appliances.

The transmitter operates on Lithium 3V battery.

Before using the transmitter, install the Lithium 3V transmitter batteries into the battery compartment. (Use caution that batteries are installed in the proper direction)
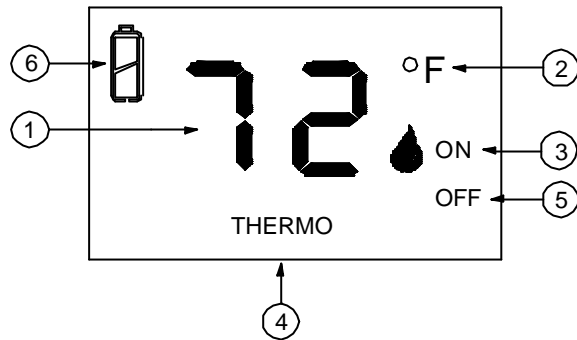
KEY SETINGS

- ON - Operates unit to on position, Manually ON.
- OFF - Operates unit to off position, Manually OFF.
- SET - Sets temperature in thermo mod.
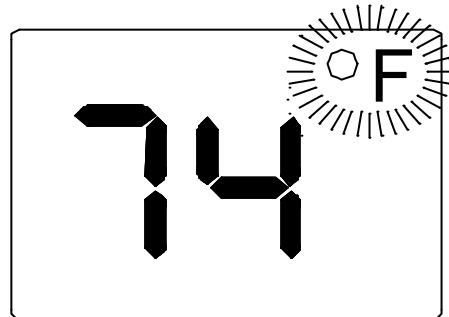
LCD – Liquid Crystal Display

1. Display Indicates CURRENT room temperature.
2. OR Indicates degrees Fahrenheit or Celsius.
3. FLAME/ON Indicates burner/valve in operation.
4. THERMO Indicates remote is in THERMO operation.
5. OFF Indicates burner/valve is off.
6. Battery Indicates battery power is low.

SETTING / SCALE

The factory setting for temperature is   . To change this setting to   , first

- Press the <u>ON</u> key and the <u>OFF</u> key on the transmitter at the same time this will change from   to   . Follow this same procedure to change from   back to   .

MANUAL FUNCTION

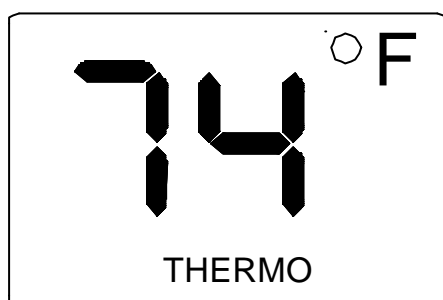To operate the system in the manual "MODE" does the following.

ON OPERATION

Press the <u>ON</u> key the appliance flame will come on. During this time the LCD screen will show ON.

OFF OPERATION

Press the <u>OFF</u> key the appliance flame will shut off. During this time the LCD screen will show OFF.

THERMOSTAT FUNCTION

SETTING DESIRED ROOM TEMPERATURE

This remote control system can be thermostatically controlled when the transmitter is in the THERMO mode (The word <u>THERMO</u> must be displayed on the screen). To set the THERMO MODE and DESIRED room temperature,

Press the <u>SET</u> key until the LCD screen shows the word <u>THERMO</u>, then the remote is in the thermostatic mode.

Press and hold the <u>SET</u> key until the desired set temperature is reached, (By pressing and holding the set key the LCD screen set numbers will increase from 45° to 99° then restart over at 45°) Next release the <u>SET</u> key. The LCD screen will display the set temperature for 3 seconds and the LCD screen will flash the set temperature for 3 seconds, then the LCD screen will default to display the room temperature.

TO CHANGE THE SET TEMPERATURE

Press and hold the <u>SET</u> key until the desired set temperature is reached. (By pressing and holding the set key the LCD screen set numbers will increase from 45° to 99° then restart over at 45°) Next release the <u>SET</u> key. The LCD screen will display the set temperature for 3 seconds, then will flash the set temperature for 3 seconds, then the LCD screen will default to display the room temperature.

Press either ON or OFF key to disengage the thermo mode. The word THERMO on the LCD screen will not show when the thermo is not in operation.

NOTE: The highest SET temperature is 99° **FAHRENHEIT** (37° **Celsius**) and the lowest temperature is 45° **Fahrenheit** (8° **Celsius**)

OPERATIONAL NOTES:

The Thermo Feature 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

normal operating cycle of an appliance may be 2-4 times per hour depending on how well the room or home is insulated from the cold or drafts. The factory setting for the "swing number" is 1. This represents a temperature variation of +/-1° **F** (0.5   ) between SET temperature and ROOM temperature, which determines when the fireplace will be activated. This function is pre-set at the factory.

The transmitter has ON and OFF manual functions that are activated by pressing either button on the face of the transmitter. When a button on the transmitter is pressed the word ON or OFF will appear on the LCD screen to show while the signal is being sent. Upon initial use, there may be a delay of three seconds before the remote receiver will respond to the transmitter. This is part of the system's design.
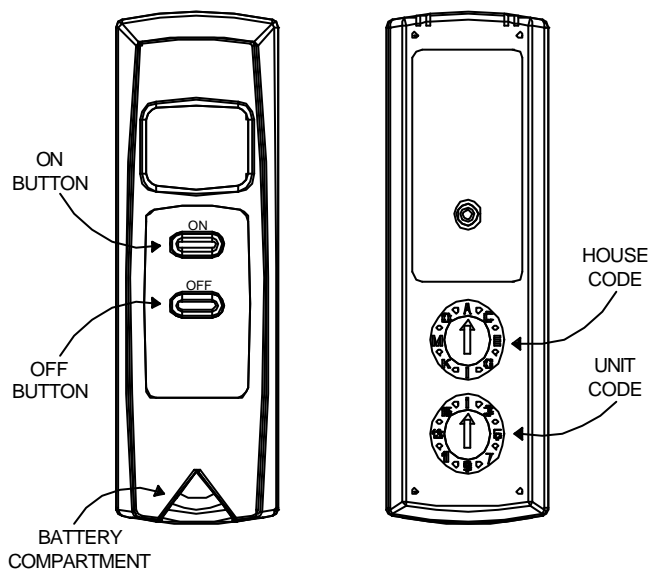
SKY-4001LCD

INSTALLATION AND OPERATING INSTRUCTIONS

INTRODUCTION

SKYTECH'S remote control system was developed to provide a safe, reliable and user-friendly remote control system for gas heating appliances. This all battery system operates independently of household current. The system operates on radio frequencies with a non-directional signals. The SKYTECH'S operating range is approximately 20 feet range. The system operates on one of 256 security codes that are user programmable; the remote receiver's code must be matched to that of the transmitter prior to initial use.

> **Review THERMO SAFETY SECTION under RECEIVER section. This high temperature safety feature shuts down the appliance when a potentially unsafe condition exists.**
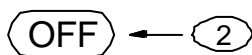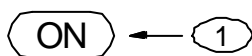
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The transmitter operates on Lithium 3V battery.

Before using the transmitter, install the Lithium 3V transmitter batteries into the battery compartment. (Use caution that batteries are installed in the proper direction)
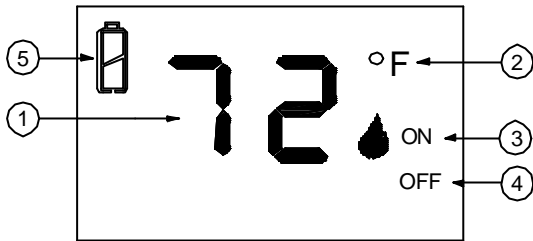
ON BUTTON

OFF BUTTON

BATTERY COMPARTMENT

HOUSE CODE

UNIT CODE

FRONT   BACK

ON ← 1

OFF ← 2

KEY SETTINGS
- ON   -Operates unit to on position, Manually ON.
- OFF   -Operates unit to off position, Manually OFF.
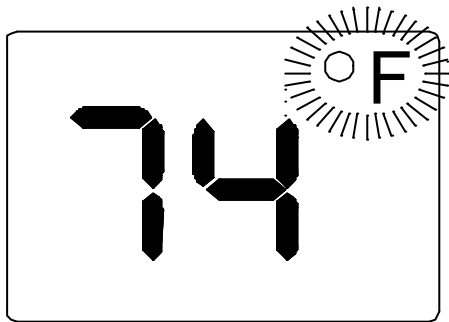
LCD – Liquid Crystal Display

1. Display Indicates CURRENT room temperature.
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The factory setting for temperature is   . To change this setting to   , first

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MANUAL FUNCTION

To operate the system in the manual "MODE" does the following.

ON OPERATION

Press the <u>ON</u> key the appliance flame will come on. During this time the LCD screen will show ON.

OFF OPERATION

Press the <u>OFF</u> key the appliance flame will shut off. During this time the LCD screen will show OFF.

NOTE: The highest SET temperature is 99° **FAHRENHEIT** (37° **Celsius**) and the lowest temperature is 45° **Fahrenheit** (8° **Celsius**)

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Important Note:
FCC Radiation Exposure Statement:
This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.