# SkySmart Thermostatic On/Off Bluetooth Remote Control

## Models IF-BTSS and IF-SSKT

## INSTALLATION AND OPERATING INSTRUCTIONS

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

This wireless thermostatic on/off/ remote control  transmitter is designed to be used with millivolt valve gas appliances.  It can be operated thermostatically or manually from the transmitter or turned on and off manually from the receiver.

**CONTENTS OF KIT**

| Description | Quantity |
|---|---|
| IF-BTSS Thermostat remote control transmitter | 1 |
| Installation Instructions | 1 |
| Screws (for installing transmitter) | 4 |
| Plastic wall anchors (for installing transmitter) | 2 |
| Wall Clip (for installing transmitter) | 1 |

NOTE: Due to the sensitive temperature monitoring components in the transmitter it is necessary to allow the transmitter to stabilize to room temperature before accurate room temperature are displayed on the LCD.

# ! WARNING !
**Important Safety Information**
- 
- Read this manual thoroughly prior to installing, programming or operating any remote control.
- This remote-control system is designed for use with a millivolt or 24V gas valve system.  Do not use this remote-control system on applications with voltages above 24 Volts AC/DC and 1 amp current.

**FEATURES/SPECIFICATIONS**
- Easy Access Thermostatic Control
- Low Battery Indication
- Child Proof Lock-out
- Select Between °C and °F display.
- DIP  Switch Selectable  Security Codes
- Operates with most popular remote receivers
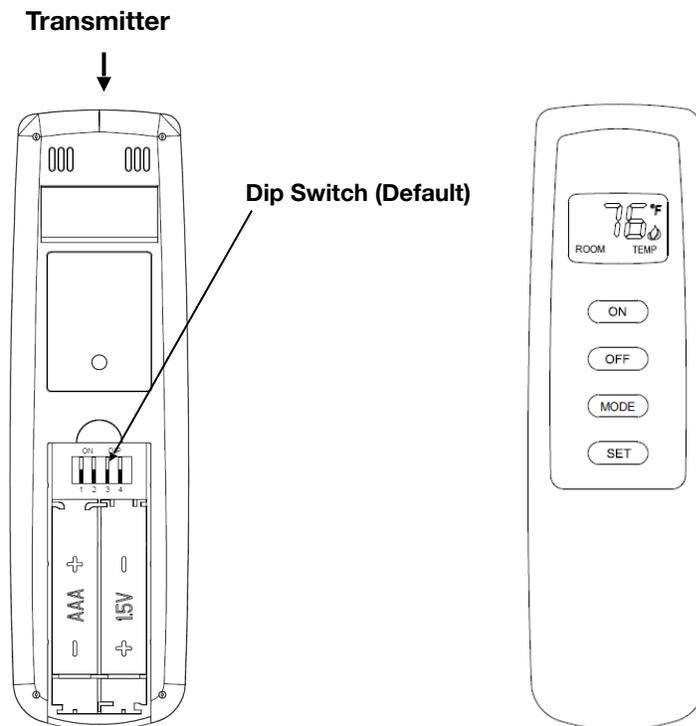- Smart operation with free Android or iOS App.

## TRANSMITTER

**Installing Batteries:**

The remote transmitter uses two (2) "AAA" batteries.  To install batteries:

1. Press down the battery door and remove the battery door.
2. Install the batteries observing polarity as indicated in the transmitter.
3. Close the battery door by snapping in place.
4. The batteries should be replaced when the low battery indicator display in LCD.
5. When both batteries are installed, the transmitter will initialize for 2 seconds and then is ready for use.

## PAIRING TRANSMITTER TO RECEIVER

1. The transmitter privacy (DIP) switches are preset at the factory. You may change the code by changing the DIP switch positions and pairing the new code to the reveiver.
2. Put the receiver slide switch to "**REMOTE"** location. Using a small screwdriver or end of a paper clip gently press and Hold the LEARN button on the receiver to accept the transmitter security code upon initial use, When you release the LEARN button the receiver will emit an audible "beep
3. After the receiver emits the beep. Press the transmitter "ON "or "OFF" button and release at once. The receiver will emit several beeps indicating that the transmitter's code has been accepted into the receiver.
4. If you are unsuccessful in matching the security code on the first attempt, repeat step 1-3

**Transmitter**

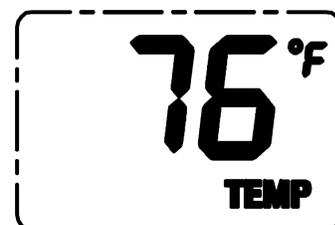**Dip Switch (Default)**

# OPERATION

Transmitter:

General:

The IF-BTSS Remote Control has two (2) operating modes: Manual and Thermostatic.  The control system can be set to temperature ranges between 45°F and 99°F.

The transmitter will operate the remote receiver from 1 to 30 feet. The distance is reduced when batteries are low or when the receiver is inside a metal enclosure.

## Initial Start Up
1. After initial power up the transmitter is reset.
2. During system reset, all features of the LCD will be visible. After one second, the LCD will be initialized. A typical reset display is shown right. After reset the transmitter is operating. The actual room temperature is shown as figure to the right.
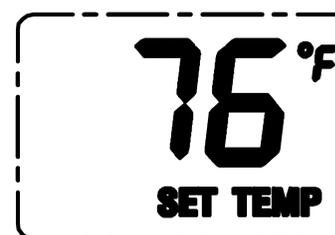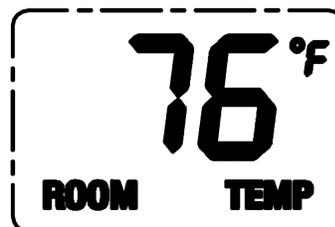
## Manual Mode
1. Press the" OFF" button once again to turn off the appliance.
2. Press the" ON" button once to turn on the appliance.
3. Press" ON" and" OFF" button at same time for 1 second to select between °C and °F display.
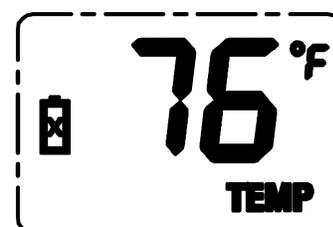
## Thermostatic Mode

1. Press the "MODE" button to enter the thermostatic mode. ROOM and TEMP icon will appear on the lower LCD screen

2. In thermostatic mode, press and hold the "SET"  button to select the desired set temperature.

3. Once the setting is completed:
   a) The transmitter will automatically turn on the appliance. when the room temperature is more than one degree below the set temperature.
   b)  The transmitter will automatically turn off  the appliance when the room temperature is more than one degree above the set temperature.

4. There may be a slight delay in the response of the unit (on/off) to a temperature setting as room temperature is monitored every 3 minutes.

5. Press the"ON" button or"OFF"button or"MODE"button to exit the thermostatic mode (Return to Manual Mode).  The "ROOM" temp icon will disappear on the lower LCD display.  The transmitter will be in the manual on/off mode
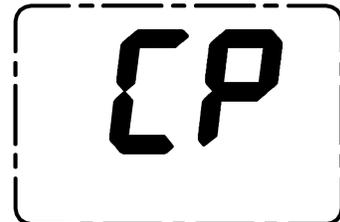
## Low-Battery Detection

1. When the battery voltage of remote less than 2.2V, the low battery icon will appear on the LCD screen. The battery will be checked every 3 minutes. If the battery voltage of remote is less than 1.6V, the remote will send the flame off command to the receiver and only low battery icon will display on the LCD, Change the battery before the battery is too weak for normal operation.

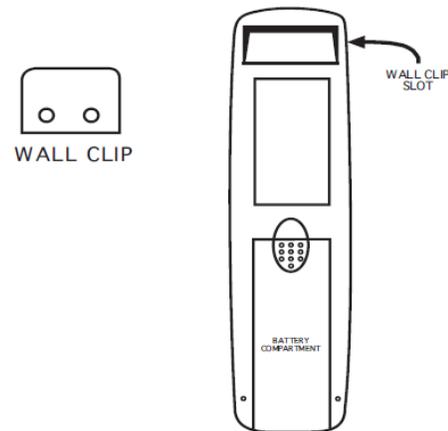**NOTE: TURN THE UNIT OFF BEFORE REPLACING BATTERIES.**

## Child-Proof Protection

1. Press and hold "ON" and "MODE" button at same time for 5 seconds to activate child-proof mode. The letters CP will appear in the TEMP frame on the LCD screen.

2. The remote control will not work until child-proof mode is deactivated by pressing the "ON"and"MODE" buttons at same time for 5 seconds again to exit child-proof mode.

**Transmitter Wall Clip**
The transmitter can be hung on a wall using the clip provided. If the clip is installed on a solid wood wall, drill 1/8" pilot holes and install with the screws provided. If it is installed on a plaster/wallboard wall, first drill two 1/4" holes into the wall. Then use a hammer to tap in the two plastic wall anchors flush with the wall; then install the screws provided.

## THE FOLLOWING INSTRUCTIONS APPLY TO THE IF-SSKT

### Receiver
Begin by installing (4) AA-size batteries. Slide open the battery cover on receiver. 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. Close battery cover.

### 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 130ºF or higher. Before installation make sure the remote receiver slide switch is in the OFF 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)
• Be no longer than 20'
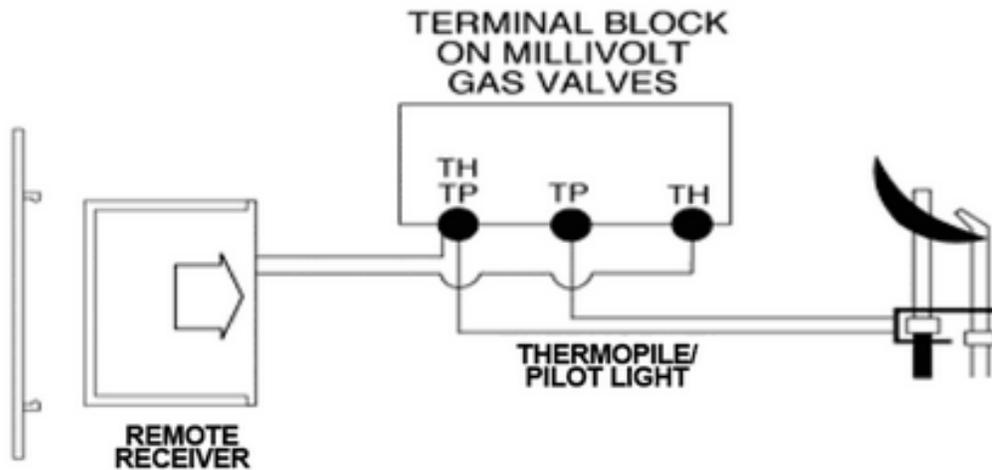• Have no splices

### Hearth Mount
The remote receiver may 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 an on/off switch (included piggyback connectors have both male & female terminals for flexibility).Be sure that the connectors do not touch each other or other bare metal surfaces.

### Wiring The Remote To Valve
Connect one wire from the remote receiver to the TH terminal on the gas valve
Connect the other wire from the remote receiver to the TH/TP terminal on the gas valve

## WIRING MILLIVOLT VALVES



TERMINAL BLOCK
ON MILLIVOLT
GAS VALVES

TH
TP          TP          TH

THERMOPILE/
PILOT LIGHT

REMOTE
RECEIVER

## Slide Switch

1. **ON position**: the system will remain on until the slide switch is placed in the OFF or REMOTE position.
2. **REMOTE position**: the system will only operate if the remote receiver receives a signal from the transmitter.
3. **OFF position**: the system is off.  **The slide switch should be placed in the OFF position if you will be away for an extended period of time.**   If the remote receiver is mounted out of children's reach, the OFF position also functions as a safety device by both turning the system off and rendering the receiver inoperable.

## Testing Your New Remote System

1. Light your gas appliance following the appliance lighting instructions that come with the appliance.  Confirm that the pilot light is on;  it must be in operation for the remote control to operate the main gas valve.  Appliance control knob must be in the ON position.  Appliance ON/OFF switch must be in ON position.
2. Slide the 3 position button on the remote receiver to the ON position.  The main gas flame should ignite.
3. Slide the button to OFF.   The flame should extinguish (the pilot light will remain on).
4. Slide the button to REMOTE (the center position), then press the transmitter to turn the system to ON.  The main gas flame should ignite.
5. Press the transmitter to turn the system to OFF.  The flame should extinguish (the pilot light will remain on).

## TROUBLESHOOTING

| Symptom | Causes | Action |
|---|---|---|
| Battery icon on LCD on transmitter. | Low Battery | Replace batteries. |
| Display is blank | Low Battery | Check battery installation and replace batteries. |
| Appliance does not come on. | 1. DIP (Privacy) switch setting on transmitter does not match receiver | 1. Make sure the transmitter and receiver setting match. |
| | 2. Transmitter measures temperature exceeding 99 degrees and shows "HI" on LCD display. | 2. Move transmitter to a cooler place and wait until temperature drops below 99 degree. |
| | 3. Distance between the transmitter and receiver is more than 30 feet | 3. Make sure the operating distance is less than 30 feet |
| Receiver cannot receive signal. | Receiver is installed in an enclosure | Make sure the receiver is not inside a tight enclosure. |

## WARRANTY

This warranty gives you specific legal rights and you may also have other rights that vary from state to state or province to province. Answers to any questions regarding our limited warranty may be obtained by writing our corporate offices. Flame-tec warrants each new remote control against any defects that are due to faulty material or workmanship to the original owner, for a period of five years after the original date of purchase. This warranty and our liability does not apply to batteries, nor does it include damage to merchandise or the remote control resulting from accident, alteration, neglect, misuse, improper installation or any other failure to follow installation and operating instructions. Flame-tec agrees to repair or replace at its option any Flame-tec remote control under warranty provided it is returned postage prepaid to our warranty facility in a padded carton within the warranty period, with proof of the original date of purchase and a brief description of the malfunction. This limited warranty does not include costs for removal or re-installation.

# SMART DEVICE OPERATING INSTRUCTIONS
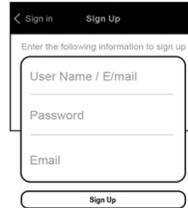
Enter your username or e-mail address.
Enter your password.

Please Note: Email confirmations can sometimes arrive in your junk or spam email accounts.

You can use your Google, Facebook or Apple accounts to sign up.

Enter a Zone Name, such as 'Home"

Press **Save Zone**.

Please Note:
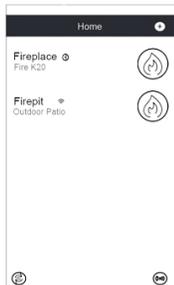You can enter as many zones as you like to help organise your devices.

You can use the 'tap and connect' feature and your SkySmart will automatically connect to your phone.

Press **'Manual Setup'** and add the FireBug manually if the app does not find your FireBug.

Name your SkySmart, such as Fireplace.
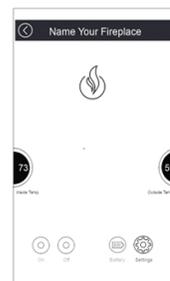
Press **'Connect'** to continue.

The device list screen displays your SkySmart.

Click on the tile to control your SkySmart.

You can add more devices by clicking the **'Plus'** icon.

You can delete your SkySmart by swiping left.

Press the **ON** button to start your fire.

Press the **OFF** button to turn off your fire.

**'Inside'** and **'Outside'** temperatures are displayed.

The battery button monitors battery level.

The settings button opens the settings page.

Settings

To access the remote control and the WiFi Hub ID# (if purchased), tap on the cloud icon.

To change the name of the SkySmart tap on the name tile.

You can select Fahrenheit or Celsius to be displayed.

C°

To enable the SkySmart to work with Alexa or Google Home, tap on the button next to the control name.