

Remote Operation (Full Load Units)

The Proflame 2 System consists of the following elements:

1. Pilot Assembly
2. Proflame Gas Valve.
3. Proflame 2 Control Module
4. Wiring Harness
5. Variable Speed fans
6. Downlighting
7. Proflame 2 remote control
8. Battery Pack
9. Manual override switch

NOTE: Can not be used with home automation systems.

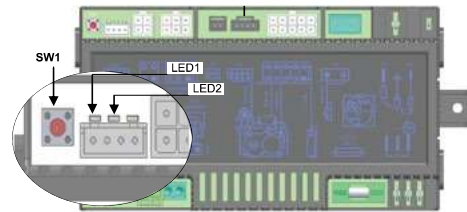
The Proflame 2 Transmitter controls the following fireplace functions:

1. Main Burner On/Off
2. Main Burner flame modulation (6 levels).
3. Choice of standing or intermittent pilot (CPI/IPI).
4. Thermostat and Smart thermostat functions.
5. Lights
6. Fan speed modulation (6 levels).

The Proflame 2 Transmitter uses a streamlined design with a simple button layout and informative LCD display. A Mode Key is provided to index between the features and a Thermostat Key is used to turn On/Off or index through Thermostat functions, see Figure 26. Additionally, a Key Lock feature is provided.



Figure 29. Proflame 2 Remote



- SW1 = Programming Button
- LED1 = Red Diagnostic Light
- LED2 = Amber Programming Remote Control Light

Figure 29.b Proflame 2 Control Module

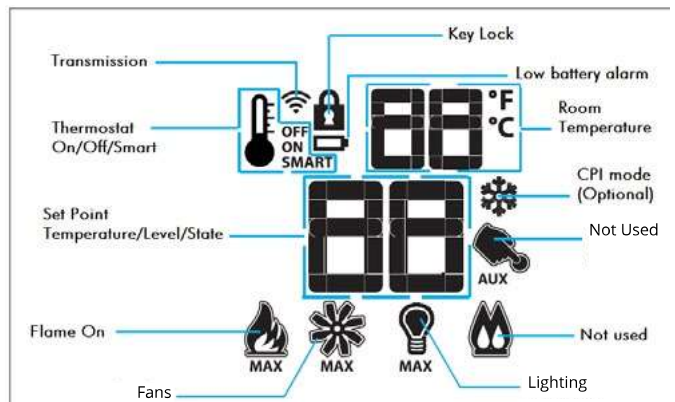


Figure 29.c Remote Control LCD Display

! WARNING

Do not expose remote control to temperatures below 0°C (32°F) or above 50°C (122°F)

! CAUTION

Property Damage Hazard. Excessive heat can cause property damage.
The appliance can stay lit for many hours. Turn off the appliance if it is not going to be attended for any length of time.

! WARNING

Battery operated device. Read the battery instructions before installing them into the system. Do not expose any battery, or its holder, or a device in which batteries are installed, to a working temperature greater than 54°C / 129°F

Initializing the System for the first time

1. Set master override switch to off position.
2. Install four (4) AA batteries into the battery holder.
3. Install three (3) AAA batteries in the back of the remote control. Note the polarity of batteries and install them as indicated by the silk screen (+/-) on the holder.
4. Connect AC Power (115 volts, 60 Hz) to fireplace.

Operating the System for the first time

Press SW1 button on the control module. The control module will beep three (3) times and an amber LED is illuminated to indicate that the IFC (control board) is ready to synchronize with a remote control within 10 sec. Push the ON button. The control module will "beep" four (4) times to indicate transmitter's command is accepted.

The System is now initialized.

Temperature Indication Display

With the system in the "Off" position, press the Thermostat Key and the Mode Key at the same time. Look at the LCD screen on the Remote Control to verify that a C or F is visible to the right of the Room Temperature display.

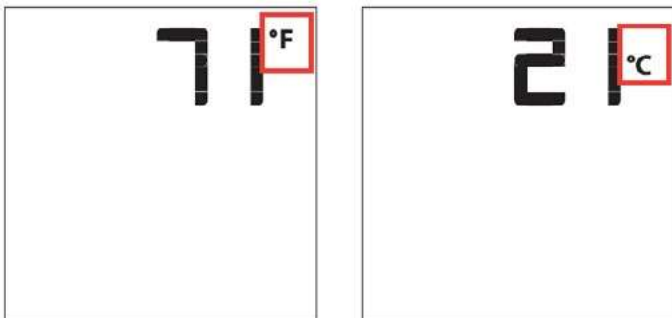


Figure 27.e Remote Control display in Fahrenheit & Celsius

Turn On the Fireplace

With the system Off, turn the master override switch to on and press the On/Off Key on the Remote Control. The Remote Control display will show some other active Icons on the screen. At the same time the Control Module will activate the fireplace. A single "beep" from the Control Module will confirm reception of the command.

Turn Off the Fireplace

With the system On, press the On/Off Key on the Remote Control. The Remote Control LCD display will only show the room temperature. At the same time the Control Module will turn off the fireplace. A single "beep" from the Receiver confirms reception of the command.



Figure 27.f Remote Control Display

Remote-Flame Control

When you turn on the fireplace it starts on high. The proflame 2 has six (6) flame levels. Each time you press the Down Arrow Key once the flame height will reduce by one step.

You can continue this until the main burner flame turns off. You can still operate the accent lights and fans in this mode.

If the main burner flame is off and you press the up arrow key once, the flame will automatically go to high.

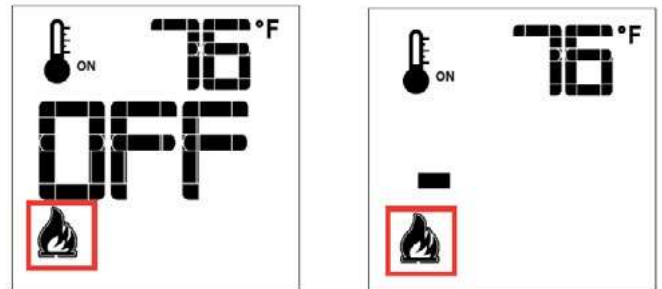


Figure 27.g Flame Off and Flame Level 1.

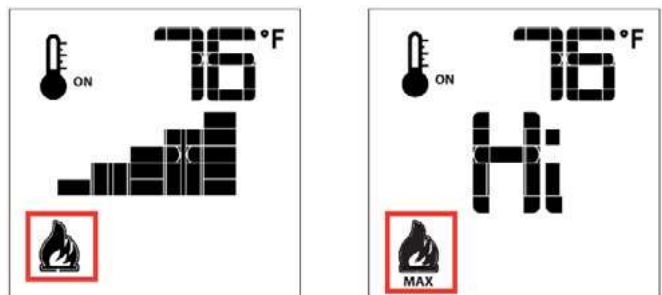


Figure 27.h Flame Level 5 and Flame Level Maximum

Room Thermostat (Remote Control Operation)

The Remote Control can operate as a room thermostat. The thermostat can be set to a desired temperature to control the comfort level in a room. To activate the function, press the Thermostat Key, see Figure 27i. The LCD display on the remote control will change to show that the room thermostat is "On" and the set temperature is now displayed. To adjust the set temperature press the Up or Down Arrow Keys until the desired set temperature is displayed on the LCD screen of the Transmitter.

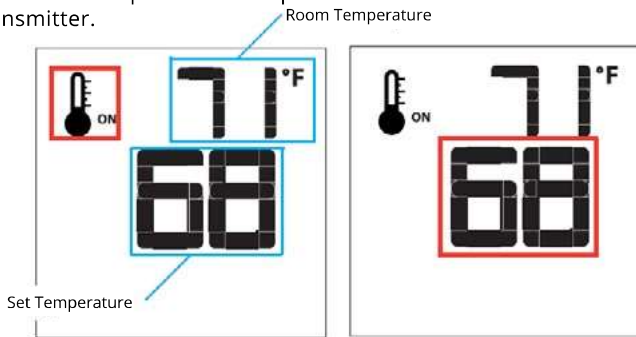


Figure 27.i Setting Room Thermostat

Smart Thermostat (Remote Control Operation)

The Smart Thermostat function adjusts the flame height in accordance to the difference between the set point temperature and the actual room temperatures. As the room temperature gets closer to the set point the Smart Function will modulate the flame down. To activate the function, press the Thermostat Key, see Figure 27.j, until the word "SMART" appears to the right of the temperature bulb graphic, see Figure 27j.

NOTE: When smart Thermostat is activated, manual flame height adjustment is disabled.

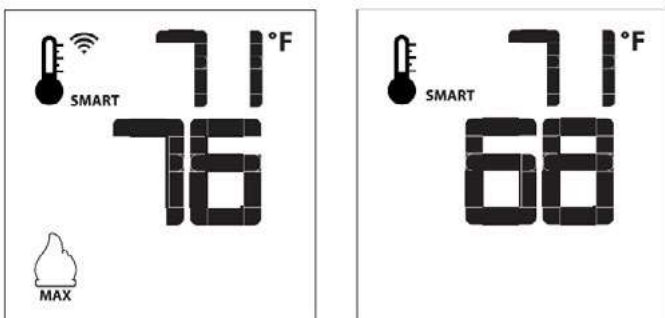


Figure 27.j Smart flame function

Disabling Thermostat

Some jurisdictions and bedroom installations require the thermostat to be disabled.

1. Partially take out one battery. Insert the battery while holding down the thermostat button. The remote screen will display 'Clr' while the button is held down.
2. To enable thermostat repeat steps 1-2. The remote screen will display 'set' while the thermostat button is held down.

Fan Speed Control

The fireplace is equipped with optional hot air circulating fans. The speed of the fans can be controlled by the Proflame system. The fan speed can be adjusted through six (6) speeds. To activate this function use the Mode Key, see Figure 27, to index to the fan control icon, see Figure 27m. Use the Up/Down Arrow Keys to turn on, off, or adjust the fan speed. A single "beep" will confirm reception of the command.

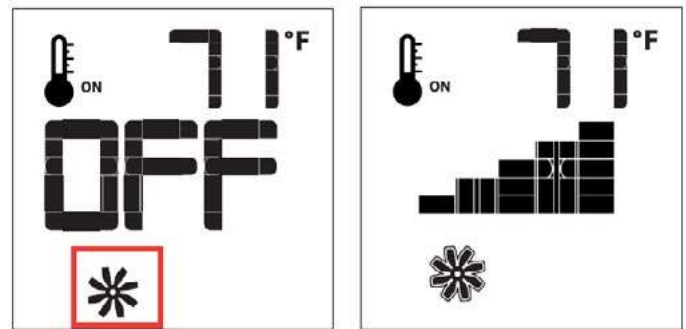


Figure 27.m Fan Speed Control

Accent Light Control

The function controls the power outlet by the dimmable light control. To activate this function use the Mode Key (fig. 29.n) to index to the LIGHT icon (fig. 29.n). The intensity of the output can be adjusted through six (6) levels. Use the Up/Down Arrow Keys (fig. 29.n) adjust the output level (fig. 29.n). A single "beep" will confirm reception of the command.

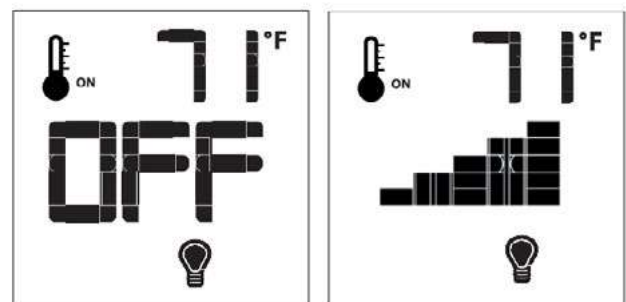


Figure 29.n Light Control

Pairing Issues

Some newer wi-fi capable transmitters PN# 0.584.080 (Montigo part RGC3105), and older IFC control board PN# 0.584.307 (Montigo part RGC3095) require that the wi-fi function in the transmitter be turned OFF before trying to pair the components. First identify the supplied transmitter, the RGC3105 will have a wi-fi symbol on the battery cover sticker. The transmitter will not sync with the IFC control module RGC3095 which can be identified by the white stencil on top.

- Identify if the supplied transmitter, RGC3105 has a connection symbol on the battery cover sticker



- The above transmitter will not sync with the IFC control module RGC3095 which can be identified by the white stencil on top

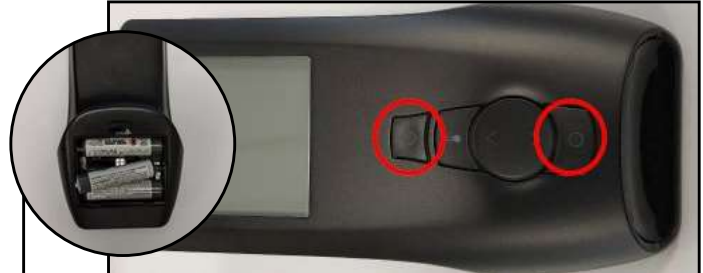


Solution:

Disable the WiFi functionality by following these instructions

Disabling functions (Wi-Fi)

1. With batteries only partially inserted into the battery holder, keep pressed Power On/Off and O buttons.
2. Insert batteries keeping pressed the two buttons. The following screen is displayed. Each icon can be:



- Set the icon is set.
 - Clr: the icon is unset.
3. Keeping pressed the Power On/Off button, pressing the O button each icon can be selected



4. Keeping pressed the Power On/Off button and pressing the O button, navigate to the Transmission icon. This is in Clr state.



5. Keeping pressed the Power On/Off button, press the Up button to set the icon. And remove the symbol from the screen.



6. Release the Power On/Off button. The functionality is now enabled. The Tx Remote Command is now ready to be used.

Now the usual syncing steps outlined in the manual can be used by pressing the red SW1 button and the ON/OFF button on the transmitter. Note that the confirming 3 beeps should be heard when pressing the SW1 on the IFC board and the corresponding 3 beeps should be heard when pairing is successful.

FOR YOUR SAFETY - READ BEFORE LIGHTING:

DANGER

**HOT GLASS WILL CAUSE BURNS.
DO NOT TOUCH GLASS UNTIL COOLED.**

NEVER ALLOW CHILDREN TO TOUCH GLASS.

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and must be installed for the protection of children and other at-risk individuals.

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

WARNING/ CAUTION: Hot while in operation. Do not touch. Severe burns may result. Keep children, clothing, furniture, gasoline and other liquids having flammable vapours away.

See installation and operating instructions accompanying this appliance for more information.

A. This appliance is equipped with an ignition system that lights the pilot burner automatically. **Do not attempt to light the pilot by hand.**

B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

What To Do If You Smell Gas:

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.

- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.

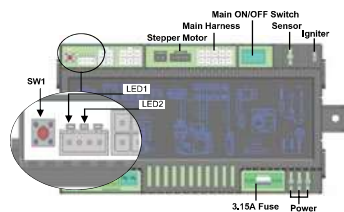
- If you cannot reach your gas supplier, call the Fire Department.

C. Use only your hand to operate gas control. Never use tools. If the control does not function, don't try to repair it, call a qualified service technician. Force or attempt to repair may result in a fire or explosion.

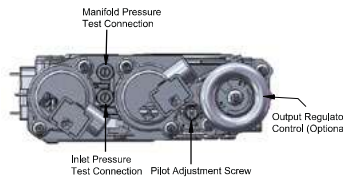
D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system, and any gas control which has been under water.

LIGHTING INSTRUCTIONS:

1. **STOP!** Read the safety information above on this label.
2. Turn "ON" manual "ON/OFF" switch. (If available)
3. Turn Incoming gas shut off valve to the "ON" position.
4. Wait 5 minutes to clear out any gas. If you smell gas, **STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
5. Turn fireplace "ON" using wall switch or remote control.
6. If the Fireplace does not light, the System will cycle through two trials, (one minute audible clicking, thirty seconds of silence, and then another one minute of audible clicking). If the system locks out due to inadequate gas flow, refer to "Troubleshooting" in instruction guide.
7. After completion of the information in the Troubleshooting section, Repeat step 5.
8. If the system will not function correctly, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.



SW1 = Programming Button
 LED1 = Red Diagnostic Light
 LED2 = Amber Programming Remote Control Light
 Typical Control Module shown



Gas Valve

TO TURN OFF GAS TO APPLIANCE:

1. Turn off fireplace using wall switch or remote control.
2. Turn the incoming gas shut off valve to "Off".

P/N LB1176-060614

Section 10: Cleaning and Maintenance

General

- Have the fireplace and installation inspected yearly. The inspection must include, but is not limited to, the following:
 - A visual check of the entire vent system and termination, where accessible.
 - An inspection of the explosion relief flappers and the door gaskets to ensure a proper seal.
 - An inspection of the burner, vent run, and primary air openings.
 - An inspection of the gas valve, gas components, and pilot flame. For your convenience a 1/8" manifold pressure tap is supplied on the gas valve for a test gauge connection.
 - Inspection of all optional equipment; fans, thermostats, remote control lights, etc.
- For Natural Gas this appliance requires a minimum inlet pressure of 5.5" W.C. and a manifold pressure of 3.5" W.C.
- For Propane Gas this appliance requires a minimum inlet pressure of 11" W.C. and a manifold pressure of 10" W.C.
- Always keep the fireplace area clear and free of combustibile materials, as well as gasoline and other flammable vapors and liquids.
- Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.
- Inspection of glass doors and screen for damage and proper installation.

Cleaning

When the fireplace is first activated, there may be some smoke and a visible film may be left on the glass. This is a normal condition, and is the result of burning of protective coatings on new metal.

- Glass must be cleaned periodically to remove any film (which is a normal by-product of combustion) which may be visible. Film can easily be removed by removing the door. Handle the door carefully, and clean it with non-abrasive, non-ammonia based glass cleaners. One of the most effective products is Kel-Kem.
- During the initial firing, Silicone seals will "off gas", leaving a visual deposit of a white substance on combustion chamber walls. This can easily be removed using normal household products.
- Use a vacuum cleaner or whisk broom to keep the control compartment, burner, and firebox free from dust and lint.

Pilot Burner Adjustment.

1. Locate Pilot Adjustment Screw. (See **figure 28**)
2. Adjust pilot screw to provide properly sized flame as shown.
3. After installing or servicing, leak test with a soap solution with main burner on. Coat pipe and tubing joints, gasket etc. with soap solution. Bubbles indicate leaks. Tighten any areas where the bubbles appear until the bubbling stops completely.

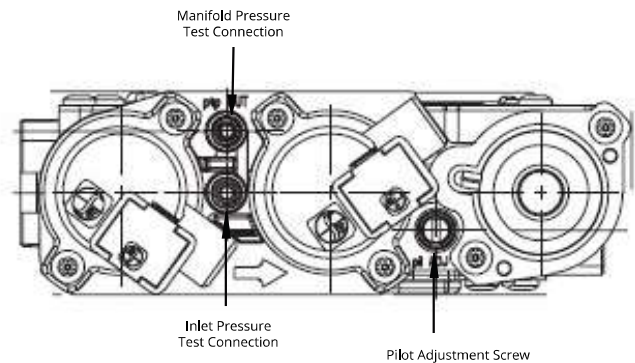


Figure 28. Pilot Adjustment on the SIT Proflame 2 gas valve.

NOTICE

Do not use ammonia or abrasive cleaners on the glass, they will permanently etch the surface. Use an approved gas fireplace cleaner such as Kel-Kem or White off.

Annual inspection list for determining safe operation of a direct vent gas fireplace

- 1) Inspect and operate the pressure relief mechanism to verify relief mechanisms are free from obstruction to operate.
- 2) Clean glass window with a suitable fireplace glass cleaner. Abrasive cleaners must not be used. Be careful not to scratch the glass when cleaning.
- 3) Inspect the operation of the flame safety system Pilot or Flame rectification device.
- 4) Inspect and ensure the lighting of the main burner occurs within 4 seconds of the main gas valve opening. Visual inspection should match that outlined in the appliance instruction manual. Inspect primary air openings for blockage.
- 5) Inspect condition of vent and vent terminal for sooting or obstruction and correct if present.
- 6) Vacuum and clean any debris in the firebox that is not supposed to be there.
- 7) Test and measure the flame failure response time of the flame safety system. It must de-energize the safety shutoff in no more than 30 seconds.
- 8) Check all accessible gas-carrying tubes, connections, pipes and other components for leaks.

POD - Pilot on Demand

What is POD mode?

This appliance is equipped with an "On Demand" intermittent pilot ignition system (IPI) which also includes a continuous pilot ignition (CPI) mode with an integrated seven day timer.

In IPI mode, the pilot will light before the main burner, when the appliance is turned on using a wall switch, remote or from a thermostat. Once the appliance is turned off, the main burner and pilot flame will shut down.

The continuous (CPI) mode exists to ease the startup phase in colder climates by keeping the firebox and venting warm when the main burner is not in use. The timer automatically switches off the pilot when the appliance has not been used for seven days.

When the CPI function is turned on, the pilot will remain on after the fireplace is turned off. A timer will then begin the countdown for approximately seven (7) days before shutting off the pilot if the appliance is not used. This countdown will reset anytime the burner is used.

If your appliance is equipped with a remote control device capable of selecting IPI / CPI modes, refer to remote operating instructions.

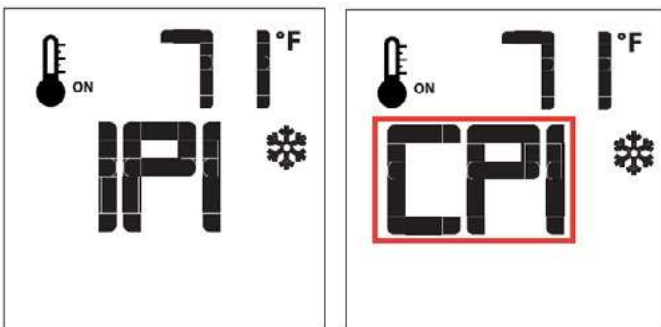
In order to start your pilot, turning the main burner on with the switch, remote or thermostat and then turning it off will reactivate the continuous pilot mode and reset the seven day timer.

A jumper is supplied with this unit that can be plugged into the wire harness connected to the controller. This jumper cable gives the Remote Control the ability to operate the POD / IPI switch and set the unit to operate in either condition. Please refer to jumper installation instructions for more information.

Remote Continuous Pilot (CPI) Selection

Requires installation of the CPI JUMPER

With the system in "off" position press the Mode Key, to index to the CPI mode icon, Pressing the Up Arrow Key will activate the Continuous Pilot Ignition mode (CPI). Pressing the Down Arrow Key will return to IPI. A single "beep" will confirm the reception of the command.



Installing the POD Jumper Cable

- 1). Access the control box.

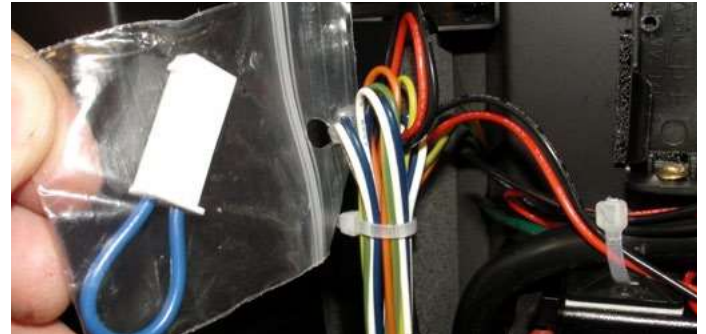


Figure 19.a Open the control box drawer

- 2). Remove the bag containing the Jumper Cable from the wire harness connected to the controller.

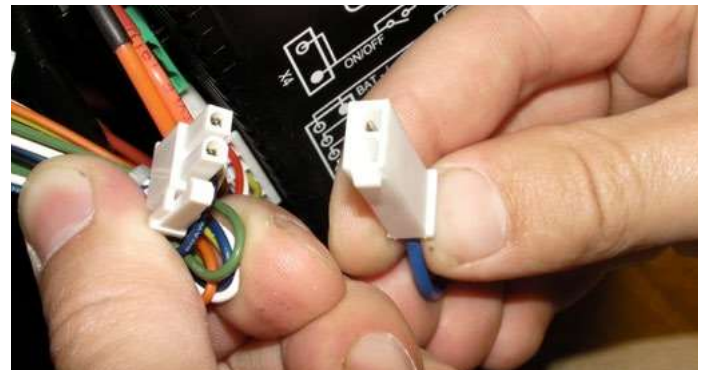


Figure 19.b Locate Jumper cable

- 3). Find the corresponding plug attached to the control wire harness and connect the CPI jumper.



Figure 19.c Connect CPI

- 4). See operation section to turn remote into POD mode.

Troubleshooting

The following is a troubleshooting chart of possible problems:

PROBLEM	SOLUTION
Pilot Igniter won't spark	<ol style="list-style-type: none"> 1. Check the MAIN ON-OFF switch (typically located below the valve cover) and turn ON 2. Ensure main power is ON or new batteries are installed in the remote control and backup battery pack (if available). 3. Check the 3.15A fuse in the control box and replace if necessary
Pilot Igniter sparking, but Pilot burner will not light	<ol style="list-style-type: none"> 1. Verify the Inlet and Manifold Gas Pressure are within acceptable limits 2. Check all connections to gas valve 3. Check connection to stepper motor (if available)
Pilot lights , but Main burner will not Light	<ol style="list-style-type: none"> 1. Check and verify all wiring connections as per the wiring diagram. 2. Verify the inlet and Manifold Pressure are within acceptable limits
Pilot lights , but Main burner will not Light and igniter continues to spark	<ol style="list-style-type: none"> 1. Check the Pilot Flame Sensor Rod and clean with steel wool or similar. 2. Check the Pilot hood and clean with steel wool if dirty. 3. Adjust pilot flame using the pilot adjustment screw if the pilot flame is too long or too short (Flame should fully engulf the sensor rod and must be stable). 4. Check and make sure the ground wire from the pilot is connected to the fireplace body.

If your fireplace still does not operate correctly, consult your local Montigo dealer.

All service and repairs should be performed by a qualified Technician.

All spare parts, optional fans, and optional trim finishes are available from your local Montigo dealer.