**Instructions for Models D244, D444, WI215, WI216**

**Included Parts:**

- 1 x Wi-Fi relay dry contact switch with two female connections

- 1 x Micro USB cable

- 1 x 5V power adapter

- 2 x Two-to-one metal adapters (not always required)

Note: While the appearance of each model may vary, the setup and connection process are identical for all.

**Important Notices:**

- **DO NOT USE A SMARTPLUG** with this model.

- Ensure there is a working power outlet near your fireplace. If unavailable, a longer USB cable can be used to reach the nearest outlet.

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**START HERE**

**Step 1: Wi-Fi and App Setup**

Before connecting to your fireplace, set up the Wi-Fi relay using the **eWelink App**. This ensures all components function properly.

**1.1 Download the eWelink App:** This app allows you to remotely control the device.

- **Apple Devices:** Download from the App Store

- **Android Devices:** Download from Google Play

**1.2 Create an Account:**

Follow the prompts in the eWelink app to create an account.

**Step 2: Connect the Relay to Wi-Fi:**

Choose the appropriate pairing method based on your router type.

**Step 2/3 - Option 1:**

**Quick Pairing Mode (For Traditional Routers) Option 2 (next step) for MESH Routers**

1. Connect your phone to the **2.4GHz Wi-Fi network**. (Ensure you're not using 5GHz.)

2. Open the eWelink app, tap **Add** (+), then Add **Device**

3. **Choose your Wi-Fi network. Enter password** (make sure password is correct or connection will fail)

4. Remove the top cover from the device and insert the power connection.

5. Ensure the indicator light blinks (two fast blinks followed by one long blink). If not, hold Button #1 (fig 1 below.) until the sequence appears.

6. Wait for the app to detect the relay. This may take several attempts; allow the timer to expire each time.

7. Once detected, name the device (e.g., "Fireplace"). you can change the name later

8. Test the relay using the eWelink app by toggling the power icon.

**ONCE CONNECTED TO YOUR WIFI, SCROLL DOWN TO STEP 4 (VOICE SETUP)**

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*Troubleshooting.*
*If Wi-Fi does not connect, if you have tried several times and it has not connected, use option 2 below (Compatibility mode)*

*When you toggle the power icon in the eWelink app the device will "click", and another red light will appear. This is the unit working correctly. The red light should stay on until you toggle the power icon off. If the device does not do this then the wrong mode is set and can be changed in the settings of the app.*

   o *Tap the three dots in the app (top right).*

   o *Navigate to **Inching Mode/Settings** and turn it off.*

**Step 2/3 - Option 2:**

**Compatibility Mode (For Mesh Routers or Alternate Pairing)**

1. Open the eWelink app, tap **Add** ( **+** ), then **Add Device**

2. **Click on "Compatible pairing"** (fig 2 below)

3. Ensure your Wi-Fi name and password are entered correctly.

4. Set the relay to compatibility mode. Insert power wait for blinking, Hold Button #1 down for 5 seconds until the light sequence changes and blinks rapidly. (no longer 2 short and 1 long blink)

5. The relay will now put out its own Wi-Fi signal for you to connect to.

6. Click on "Go to connect", note: the hotspot name on the screen and below. Your phone settings will open.

7. Select Wi-Fi to see available Wi-Fi signals.

8. Now find and select the relay's Wi-Fi signal (**ITEAD-XXXXXX**) in your phone's Wi-Fi settings. Use the password **12345678**. To connect.

9. Connect to the Relays Wi-Fi. Once connected, return to the eWelink app and complete the pairing process.

10. Test the relay using the eWelink app by toggling the power icon.


**ONCE CONNECTED TO YOUR WIFI, SCROLL DOWN TO STEP 4 (VOICE SETUP)**

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*Troubleshooting*

*You may get connection failed on your first attempt. This happens with mesh routers, but usually goes though after the 2nd attempt.*

*Still having issues?*
*Check password – by default app Capitalizes first letter and may catch you out.*
*Passwords are case sensitive*

*When you toggle the power icon in the eWelink app the device will "click", and another red light will appear. This is the unit working correctly. The red light should stay on until you toggle the power icon off. If the device does not do this then the wrong mode is set and can be changed in the settings of the app.*

  - *Tap the three dots in the app (top right).*

  - *Navigate to **Inching Mode/Settings** and turn it off.*

**Step 4:  Voice control set up (if desired).**

You can now use the app to control your fireplace (once connected). If you want to set up voice control, please follow these steps.

*To use your voice with Alexa, you will need to connect the eWelink app to the Alexa app using the instructions below.*

*The eWelink website (link below) has many resources for additional setups.*

**For Alexa:** Be aware: *Amazon may change the Alexa app layout and location*.

1.  Open the Alexa app, click on 3 dashes at bottom of page, go to  **Skills & Games**  Search for **eWelink**.

2.  Enable the skill, log in, and wait for the devices to sync.

3.  Name the relay switch to whatever you like. (e.g. fireplace) Alexa turn on the fireplace, the relay should turn on once you have it set up correctly.


**Fore SIRI, Google and more.**

**Incase some links below are not working, use the eWelink website to get or search for help pages.**
https://help.ewelink.cc/hc/en-us


**For integration Apple HomeKit/Siri:**

https://help.ewelink.cc/hc/en-us/articles/360047927172-Control-your-devices-with-Siri-in-eWeLink-app


**For Google Home use these instructions:**

https://help.ewelink.cc/hc/en-us/articles/360048800592-How-to-link-with-Google-Home-from-eWeLink-app


**ONCE YOU HAVE THE VOICE SETUP, TEST IT BEFORE CONNECTING TO THE FIREPLEACE.**

Using your voice, Turn it on and off.  The same light and click sound would happen just as you did manually in the previous steps. This way we know everything is working correctly.

**Step 5: Connecting to Your Fireplace either Millivolt Valve or electronic ignition (IPI)**

**3.1 Millivolt Gas Valve Connection: See images**

1. Attach the relay's female connectors to the **TH** and **TH TP** terminals on the valve. (fig 4.0 and fig 4.1)

    We provide 2-1 adapters if the terminals already have wires connection (usually a wall switch or remote)

2. For wall switches or remotes:

    o   Use the two-to-one adapters to connect the relay and wall switch wires.

    o   Ensure the remaining female connections attach to the millivolt valve.

**Step 5 (b) IPI Control Modules**

There will be two brown wires coming from the control module. They maybe connected to a wall switch or remote

Disconnect the wall switch wires from the fireplace valve or module to create four connectors.

1. Use the adapters to connect the relay and wall switch wires to the valve. See (fig 5.0 and fig 5.1)

**My fireplace does not have these connections, what should I do?**

Not all fireplaces are compatible. You should have a Millivolt value or ipi control module shown above. If you are unsure, look at your fireplace manual and look for the wiring diagram (see fig 3 below for example). Look for an optional wall switch or thermostat connection. The model below uses the Brown and red wire. These are the connections you would use on this setup
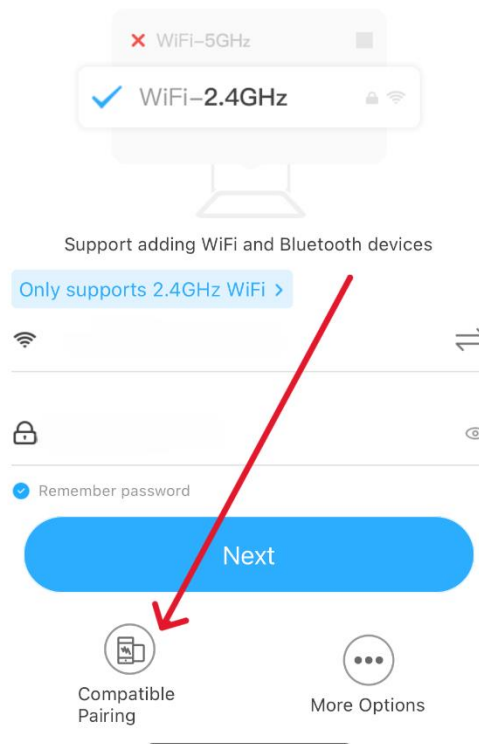
**Fig 3**
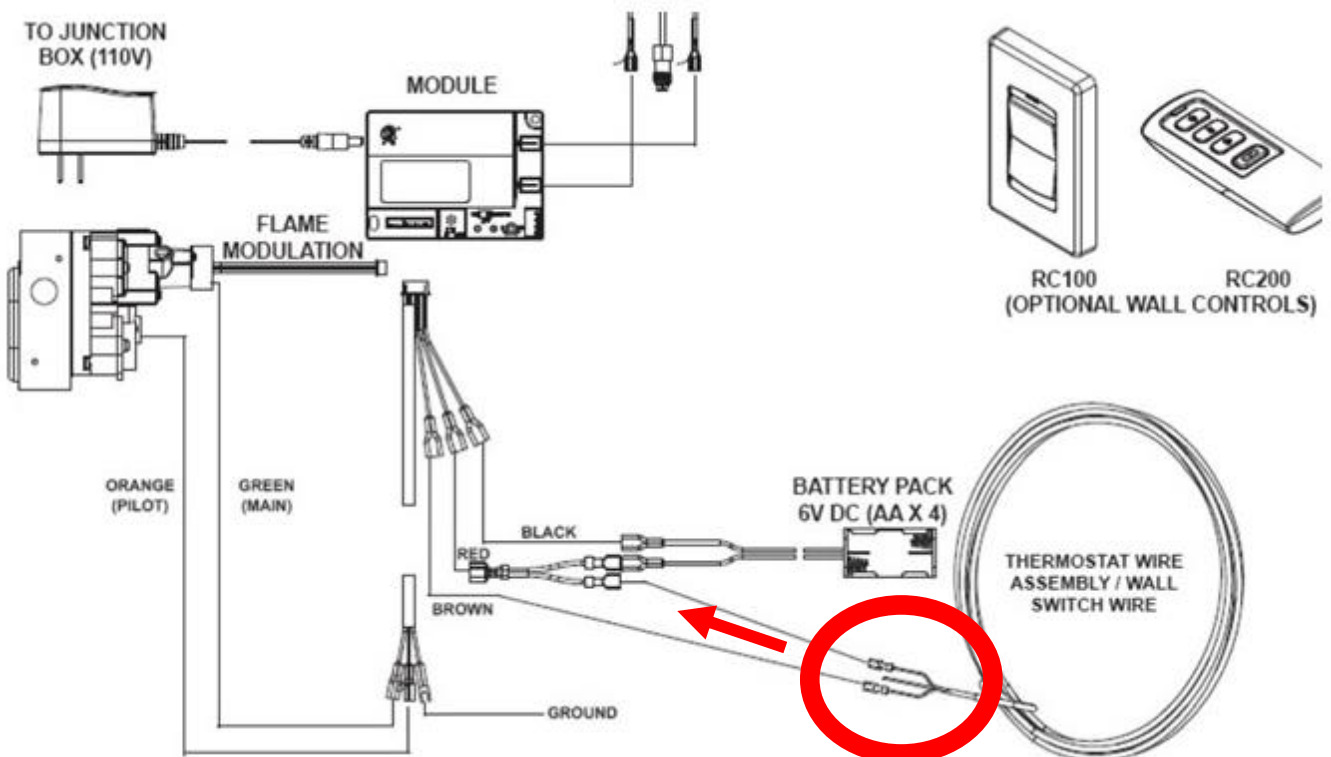
Button 1          Button 2

**Fig 1**



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If your 2.4Ghz WiFi and 5Ghz WiFi share the
same WiFi SSID, you're recommended to change
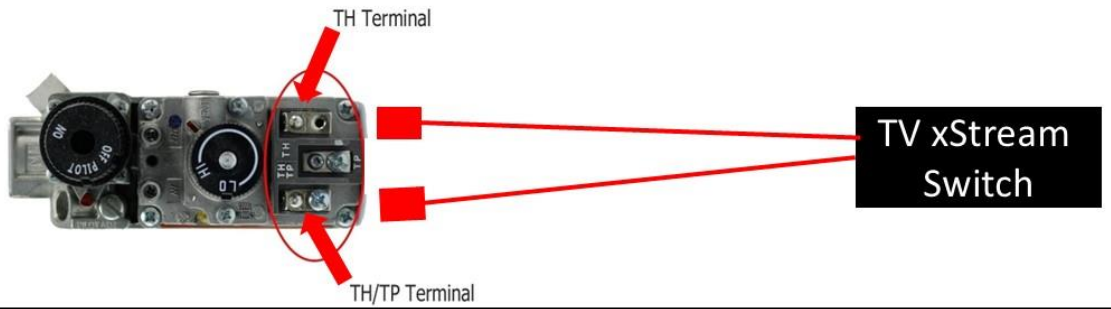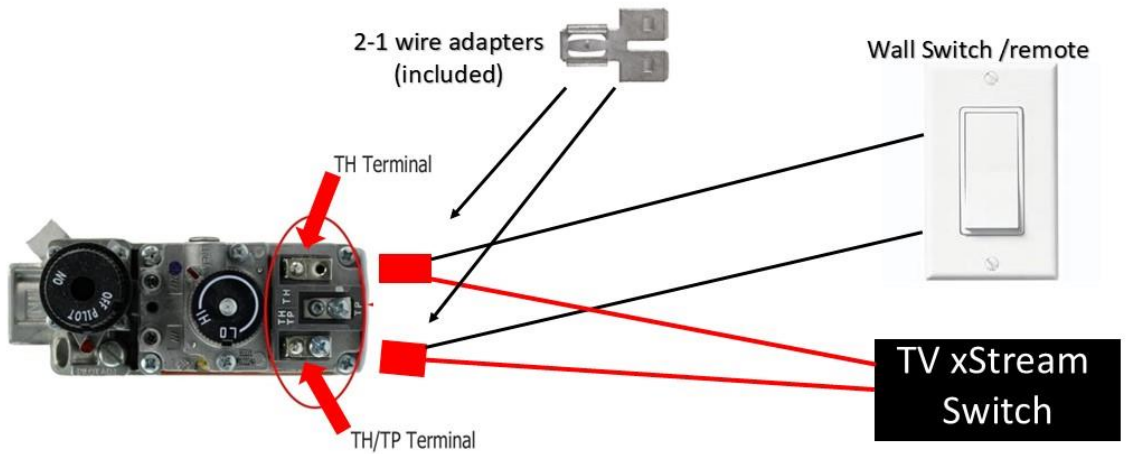your router settings or try compatible pairing
mode.

**Fig 2**

✕ WiFi–5GHz

✓ WiFi–2.4GHz

Support adding WiFi and Bluetooth devices

Only supports 2.4GHz WiFi >

Remember password

Next

Compatible
Pairing

More Options

## Fig 4.0 - Millivolt

Option
1
(No wall switch)

TH Terminal

TH/TP Terminal

TV xStream Switch

2-1 wire adapters (included)

Wall Switch /remote

Option
1
(with wall switch)

TH Terminal

TH/TP Terminal

TV xStream Switch
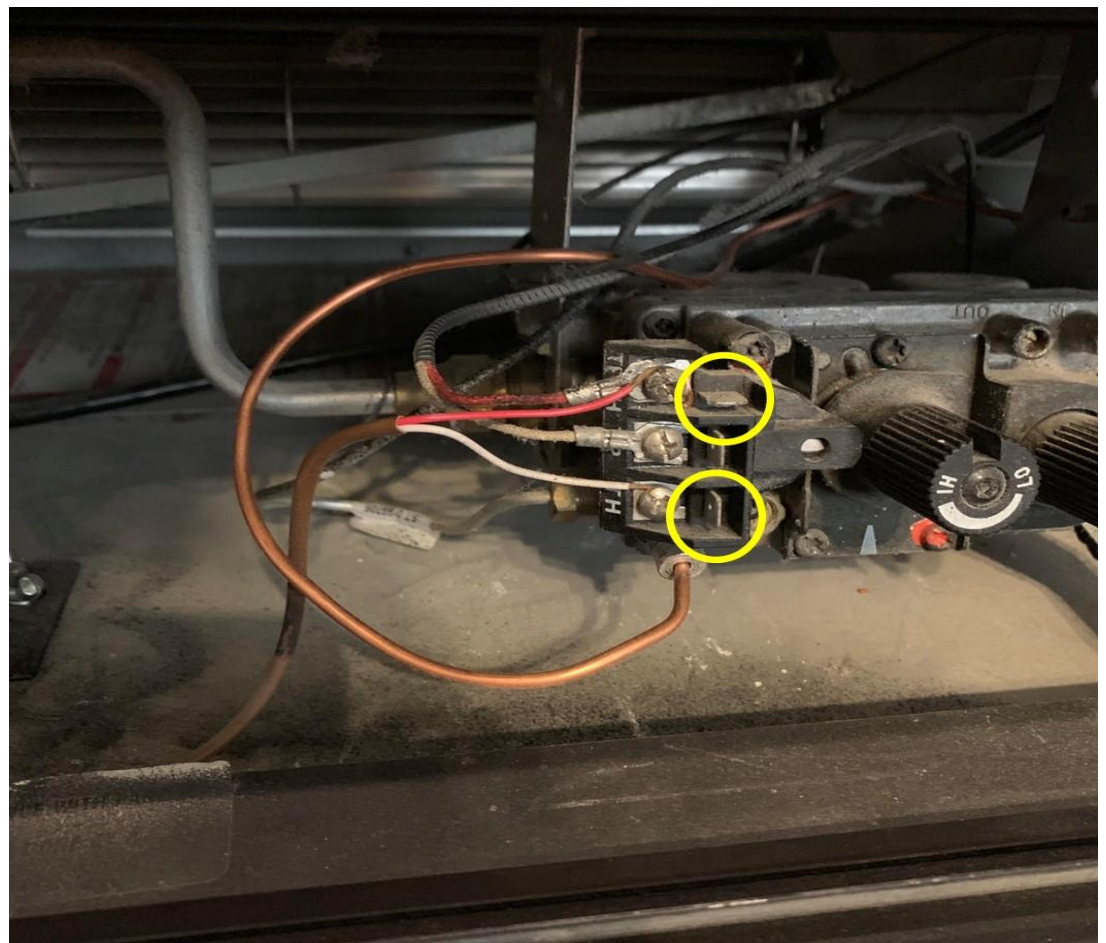
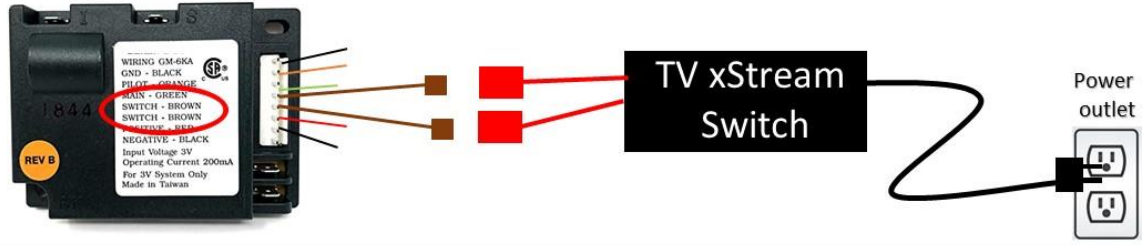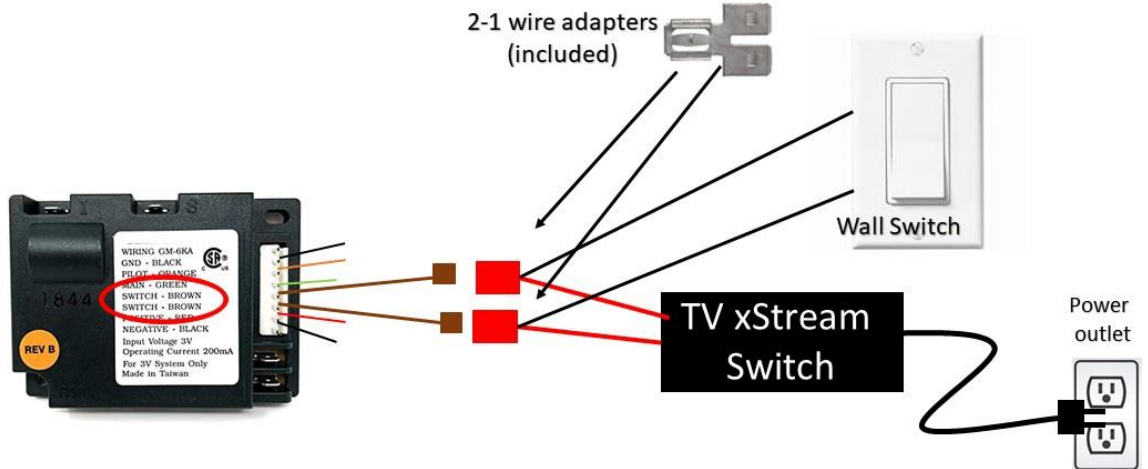## Fig 4.1 - Millivolt

## – IPI modules

This option uses brown wires but wiring color may change

## Option 2
(No wall switch)



TV xStream Switch

Power outlet

## Option 2
(With wall switch Or remote)

2-1 wire adapters (included)

Wall Switch

TV xStream Switch

Power outlet



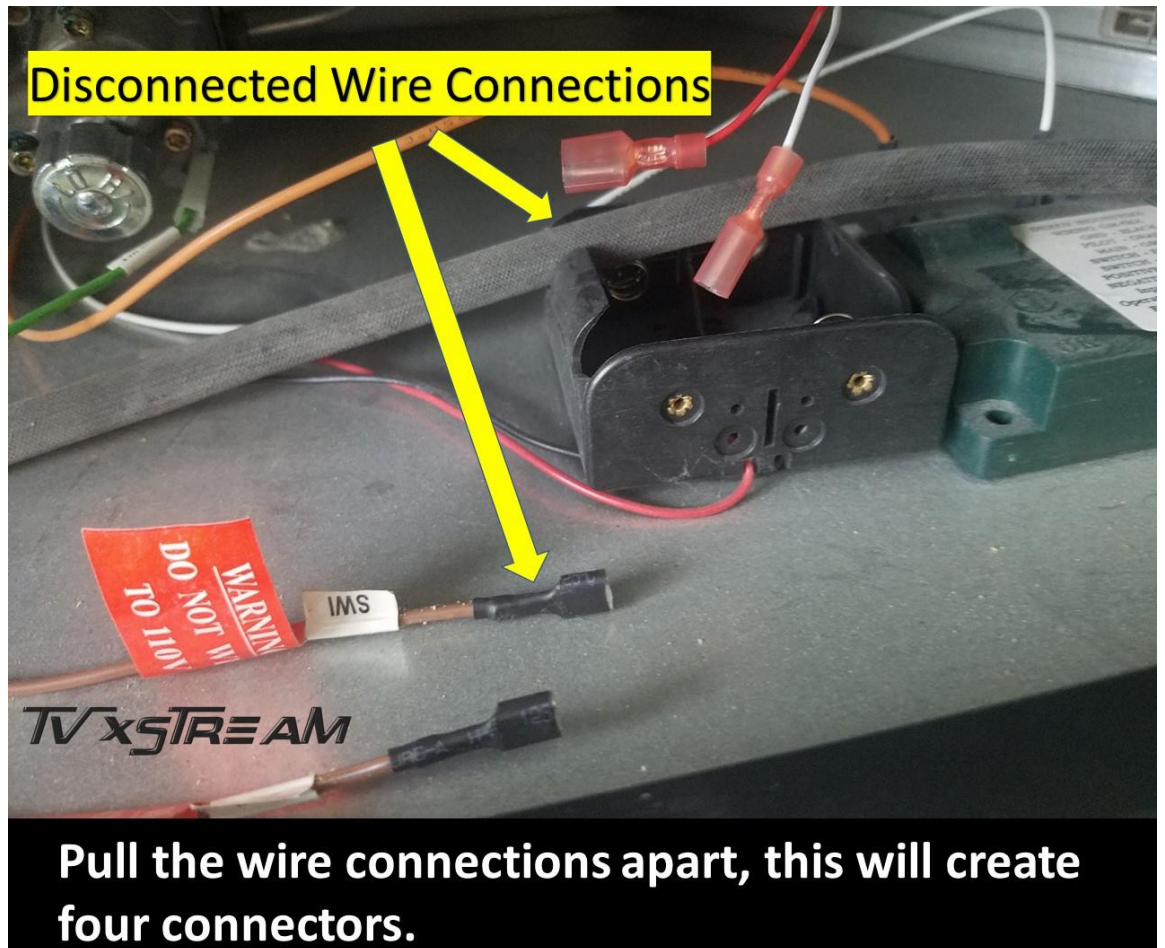## Fig 5.1 –

## IPI modules

Brown Wires from IPI control module

bottom of photo

Red/white wire

Goes to wall switch

Disconnected Wire Connections

WARNING DO NOT W TO 110V

IMS

TV xSTREAM

**Pull the wire connections apart, this will create four connectors.**

## FAQ and other troubleshooting

**Can you still use your wall switch and remote?**

Yes, however, they cannot be used as a THREE-WAY switch. You need to turn off the fireplace the same way you turned it on. This is due to the connections being in parallel.

**There are no quick connectors on my fireplace, only wire nuts.**

Not every installation of a fireplace is done the same, some installers will use wire nuts on connections. This is fine but it means you would have to cut off the connectors off our wires and make the connections using the wire nuts.

**Everything seems to be working but the fireplace using the TV xStream relay is not igniting the fireplace.**

There are several tests you can perform to see where the problem is.
did you do a manual test when setting set up?  Did you hear a click and red light come one. Do not use a smart plug with this model, it will not work correctly.

Check the power adapter and power cable, use any you have spare to see if there is an issue with these parts.
You can test the relay with a Multimeter – No voltage is put out through the device, so the only test you can perform is a continuity test with the power on and off.

- Ensure the relay works independently before installation.

- Verify power availability near the fireplace.

- If the fireplace activates immediately after wiring, check for incorrect connections or touching wires.

**Will it work on manually ignition fireplaces?**

No, you would need to have a fireplace that can ignite on its own.

**Does it work on electric fireplaces.**
No, we have not found any that it will work on.

Please contact us if you have questions, please include model number of you fireplace and your order number if you have already purchased. We may ask for photos as well.