10-BUTTON OPERATION
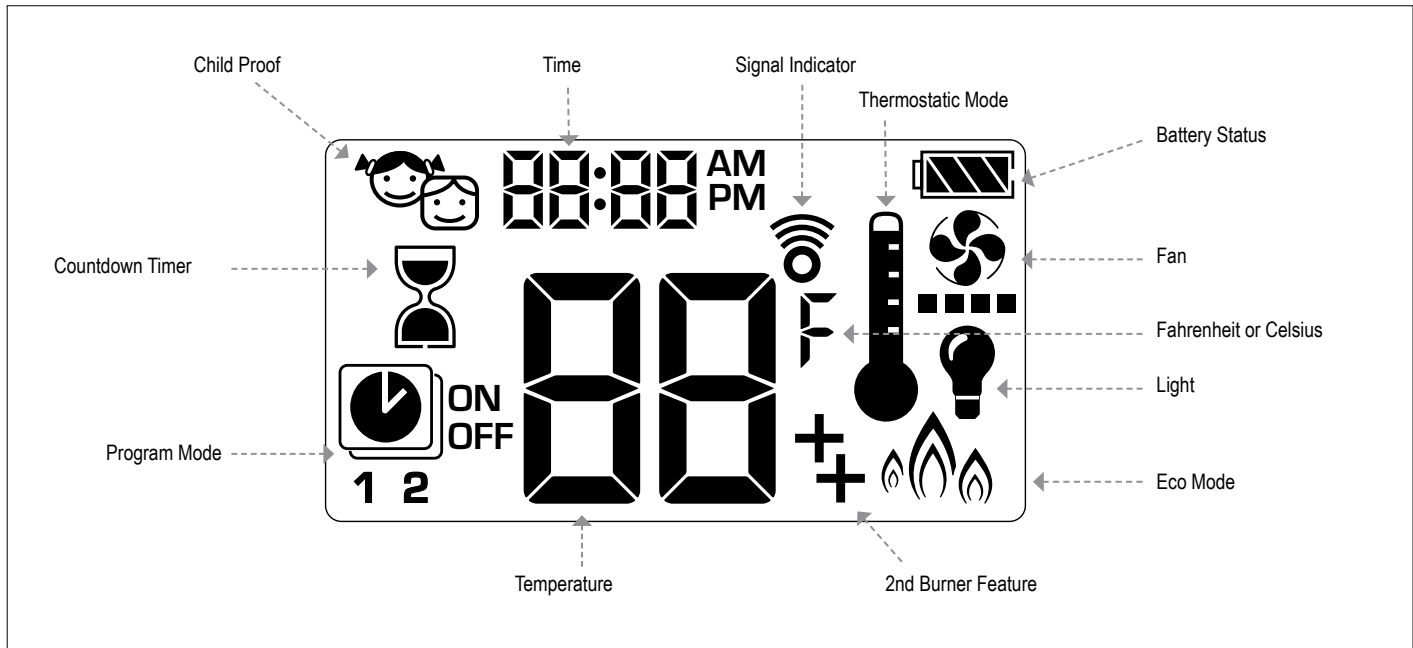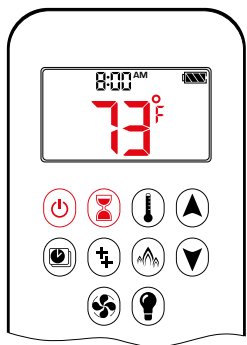

Figure 22: 10-button Display
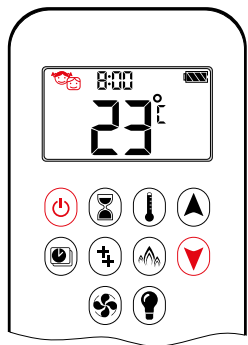
ENGLISH

SETTING FAHRENHEIT OR CELSIUS

▪ To change between °C and °F, press ⏻ and ⧗ buttons simultaneously.

NOTE: Choosing °F results in a 12 hour clock. Choosing °C results in a 24 hour clock.

CHILD PROOF

ON:
▪ To activate press ⏻ and ▼ buttons simultaneously.
▪ 👧 is displayed and the Symax is rendered inoperable, except for the **OFF** function.

OFF:
▪ To deactivate press ⏻ and ▼ buttons simultaneously.
▪ 👧 disappears.

SETTING THE TIME
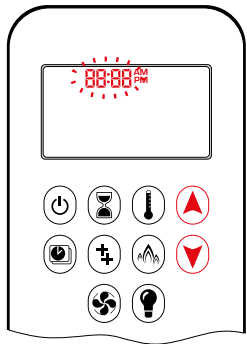
1. Press ▲ and ▼ buttons simultaneously. **Day** flashes.
2. Press ▲ or ▼ button to select a number to correspond with the day of the week (e.g. 1 = Monday, 2 = Tuesday, 3 = Wednesday, 4 = Thursday, 5 = Friday, 6 = Saturday, 7 = Sunday).
3. Press ▲ and ▼ buttons simultaneously. **Hour** flashes.
4. To select hour press ▲ or ▼ button.
5. Press ▲ and ▼ buttons simultaneously. **Minutes** flash.
6. To select minutes press ▲ or ▼ button.
7. To confirm press ▲ and ▼ buttons simultaneously or wait.
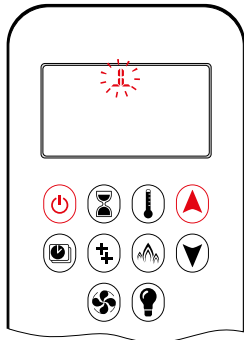
MANUAL MODE (HANDSET)

BEFORE OPERATING
1. Make sure MANUAL knob on the GV60 valve is in the **ON**, full counterclockwise ⌒ position.
2. Place the **ON / OFF** switch (if equipped) in the **I** (**ON**) position.

TO TURN ON FIRE

⚠ **WARNING**

When pilot ignition is confirmed, motor turns automatically to maximum flame height.

- Press ⏻ button (One Button Ignition) or ⏻ and Ⓐ button simultaneously (Two Button Ignition) until two short beeps (CE version) or continuous beeping (CSA version) and a blinking series of lines confirms the start sequence has begun; release button(s).
- Main gas flows once pilot ignition is confirmed.
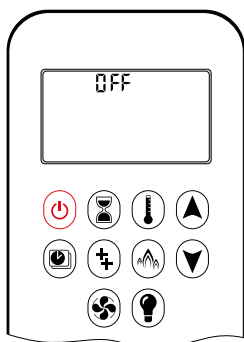- The Symax automatically goes into Manual Mode after main burner ignition.

⚠ **WARNING**

If the pilot does not stay lit after several tries, turn the main valve knob to **OFF** and follow the instructions "TURN OFF GAS TO APPLIANCE" (see page 10).

STANDBY MODE (PILOT FLAME)

Handset
- Press and hold Ⓥ button to set appliance to pilot flame.
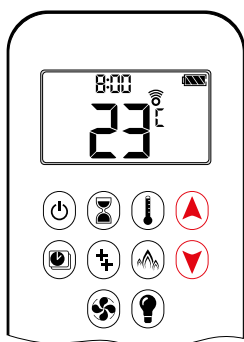
TO TURN OFF FIRE

Handset
- Press ⏻ button to turn off.

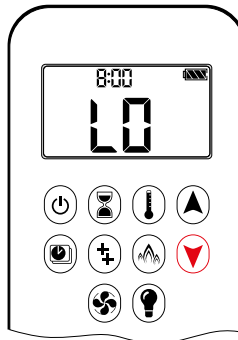**NOTE:** A new ignition is possible after the **OFF** icon stops flashing.

FLAME HEIGHT ADJUSTMENT

Handset
- To increase flame height press and hold Ⓐ button.
- To decrease flame height or to set appliance to pilot flame, press and hold Ⓥ button.

DESIGNATED LOW FIRE AND HIGH FIRE

- To go to low fire, double-click Ⓥ button.
- LO is displayed.

NOTE: Flame goes to high fire first before going to low fire.
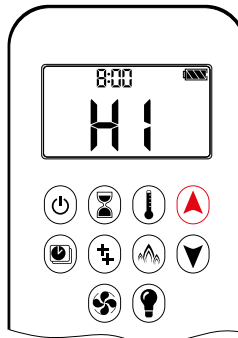
- To go to high fire, double-click Ⓐ button.
- HI is displayed.

⚠ **WARNING**

If the appliance will not operate, follow the instructions "TURN OFF GAS TO APPLIANCE" (see page 10).

COUNTDOWN TIMER
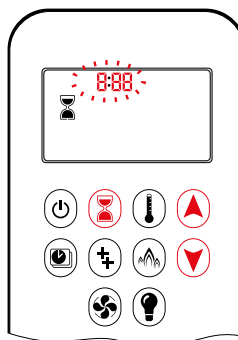
ON / SETTING:
1. Press and hold ⧗ button until ⧗ is displayed, and **hour** flashes.
2. To select hour press Ⓐ or Ⓥ button.
3. To confirm press ⧗ button. **Minutes** flash.
4. To select minutes press Ⓐ or Ⓥ button.
5. To confirm press ⧗ button or wait.

OFF:
Press ⧗ button, ⧗ and Countdown Time disappear.

NOTE: At end of Countdown Time period, the fire shuts off. The Countdown Timer only works in Manual, Thermostatic, and Eco Modes. Maximum Countdown Time is 9 hours and 50 minutes.

MODES OF OPERATION
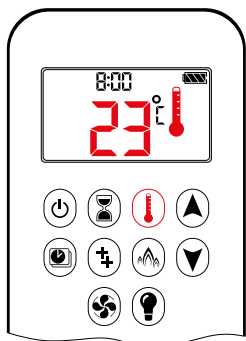
⬇ Thermostatic Mode
The room temperature is measured and compared to the set temperature. The flame height is then automatically adjusted to achieve the set temperature.
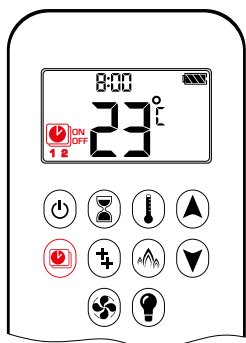
⏱ Program Mode
PROGRAM 1 and 2, each can be programmed to go **ON** and **OFF** at specific times at a set temperature.

⌒ Eco Mode
Flame height modulates between high and low. If the room temperature is lower than the set temperature, the flame height stays on high for a longer period of time. If the room temperature is higher than the set temperature, the flame height stays on low for a longer period of time. One cycle lasts approx. 20 min.

THERMOSTATIC MODE

ON:
▪ Press ⬇ button.
▪ ⬇ is displayed, preset temperature is displayed briefly, and then room temperature is displayed.

OFF:
1. Press ⬇ button.
2. Press ⬆ or ⬇ button to enter Manual Mode.
3. Press ⏱ button to enter Program Mode.
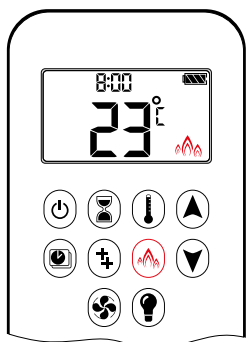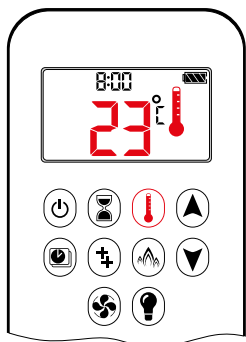4. Press ⌒ button to enter Eco Mode.
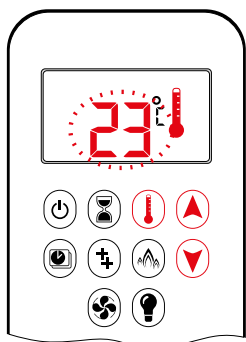
SETTING:
1. Press ⬇ button and hold until ⬇ is displayed, temperature flashes.
2. To adjust set temperature press ⬆ or ⬇ button.
3. To confirm press ⬇ button or wait.

PROGRAM MODE
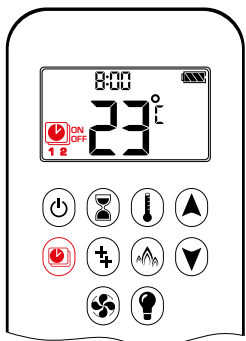
ON:
▪ Press ⏱ button.
▪ ⏱, **1** or **2**, **ON** or **OFF** is displayed.
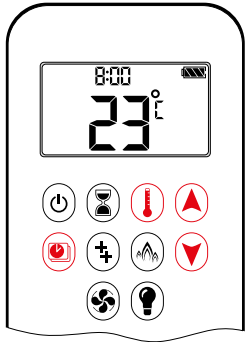
OFF:
1. Press ⏱ button.
2. Press ⬆ or ⬇ button to enter Manual Mode.
3. Press ⬇ button to enter Thermostatic Mode.
4. Press ⌒ button to enter Eco Mode.

NOTE: The set temperature for Thermostatic Mode is the temperature for the **ON** time in Program Mode. Changing the Thermostatic Mode set temperature also changes the **ON** time temperature in Program Mode.

Default settings:
ON TIME (Thermostatic) TEMPERATURE: 70 °F / 21 °C
OFF TIME TEMPERATURE: "‑ ‑" (pilot flame only)
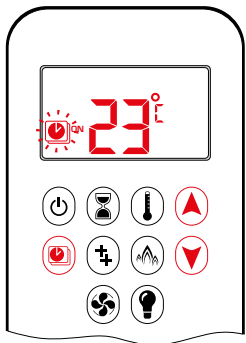
TEMPERATURE SETTING:
1. Press ⏱ button and hold until ⏱ flashes. **ON** and set temperature (setting in Thermostatic Mode) is displayed.
2. To continue press ⏱ button or wait. ⏱, **OFF** is displayed, temperature flashes.
3. Select **OFF** temperature by pressing the ⬆ or ⬇ button.
4. To confirm press ⏱ button.

NOTE: The **ON** (Thermostatic) and **OFF** set temperatures are the same for each day.
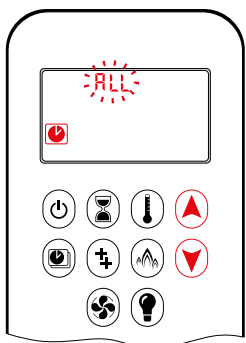
DAY SETTING:
5. ALL flashes. Press ⬆ or ⬇ button to choose between ALL, SA:SU, 1, 2, 3, 4, 5, 6, 7.
6. To confirm press ⏱ button.

ENGLISH

ALL SELECTED
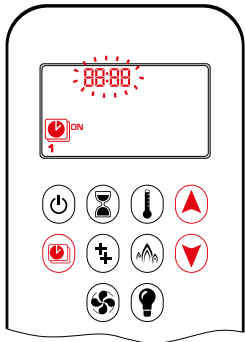
ON TIME SETTING (PROGRAM 1):
7. ⏱, **1**, **ON** is displayed, ALL is displayed shortly, and **hour** flashes.
8. To select hour press ⒶＡ or Ⓥ button.
9. To confirm press ⏱ button. ⏱, **1**, **ON** is displayed, ALL displayed shortly, and **minutes** flash.
10. To select minutes press Ⓐ or Ⓥ button.
11. To confirm press ⏱ button.
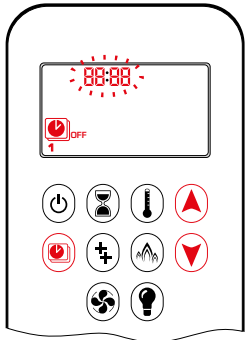
OFF TIME SETTING (PROGRAM 1):
12. ⏱, **1**, **OFF** is displayed, ALL is displayed shortly, and **hour** flashes.
13. To select hour, press Ⓐ or Ⓥ button.
14. To confirm press ⏱ button. ⏱, **1**, **OFF** is displayed, ALL is displayed shortly, and **minutes** flash.
15. To select minutes press Ⓐ or Ⓥ button.
16. To confirm press ⏱ button.

NOTE: Either continue to PROGRAM 2 and set on and off times or stop programming at this point, and PROGRAM 2 remains deactivated.

NOTE: PROGRAM 1 and 2 use the same on (Thermostatic) and off temperatures for ALL, SA:SU and Daily Timer (1, 2, 3, 4, 5, 6, 7). Once a new **ON** (Thermostatic) and/or **OFF** temperature has been set, that temperature becomes the new default setting.

NOTE: If ALL, SA:SU or Daily Timer are programmed for PROGRAM 1 and PROGRAM 2 **ON** and **OFF** times, these become the new default times. The batteries must be removed to clear the PROGRAM 1 and PROGRAM 2 **ON** and **OFF** times and temperatures.

SA:SU **or Daily Timer (1, 2, 3, 4, 5, 6, 7) selected**

▪ Set **ON** time and **OFF** time using same procedure as "ALL **selected**" (above).
▪ SA:SU: Set **ON** time and **OFF** time for both Saturday and Sunday.
▪ Daily Timer: Unique **ON** and **OFF** times may be set for a single day of the week, for multiple days of the week, or for every day of the week.
▪ Wait to finish setting.

2ND BURNER FEATURE

The latching solenoid valve will open automatically after ignition or after switching the system **OFF**, so that the maximum flow of gas is supplied to both burners assisting with the ignition process. After pressing the button for the 2nd Bruner the motor will turn 7 seconds in the **ON** direction until the max. position is reached.
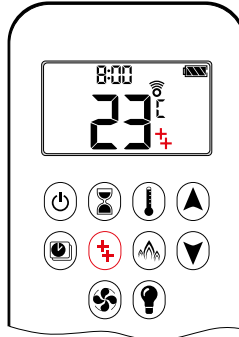
ON:
▪ To switch a burner **ON**, press the 🔥 button.
▪ 🔥 displayed.

OFF:
▪ To switch the burner **OFF**, press the 🔥 button.
▪ 🔥 disappears.

NOTE: The latching solenoid valve cannot operate manually. If the receiver battery runs down it will remain in the last operating position.

ECO MODE
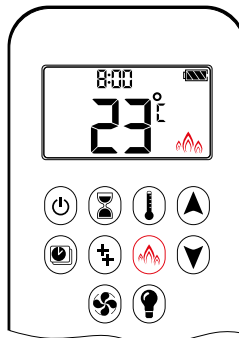
ON:
▪ Press ⚙ button to enter Eco Mode.
▪ ⚙ is displayed.

OFF:
1. Press ⚙ button.
2. Press Ⓐ or Ⓥ button to enter Manual Mode.
3. Press 🌡 button to enter Thermostatic Mode.
4. Press ⏱ button to enter Program Mode.

CIRCULATING FAN OPERATION
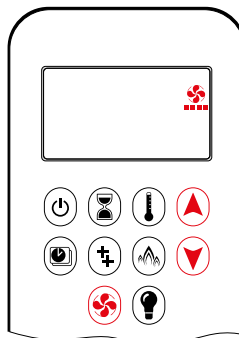
Circulating fan has 4 speed levels from low (1 bar) to high (4 bars).

ON/SETTING:
1. Press 🌀 button and hold until 🌀 flashes.
2. Press Ⓐ button to increase fan speed and Ⓥ button to decrease fan speed.
3. To confirm setting either press 🌀 button or wait (🌀 displayed).

OFF:
Press Ⓥ button until all 4 speed level bars disappear.

NOTE: SETTING only. If the fan was not switched **OFF** after last use, it starts automatically 4 minutes after ignition at maximum speed and goes to the last set level after 10 seconds. The fan stops 10 minutes after the gas is **OFF** or at pilot.

LIGHT / DIMMER OPERATION
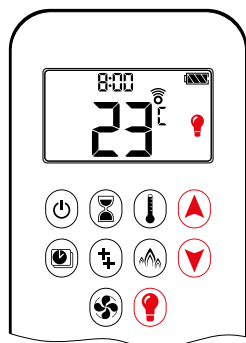
ON:
- Press 💡 button (💡 is displayed).
- Light is **ON** at preset level.

OFF:
Press 💡 button (💡 disappears).

SETTING:
1. Press 💡 button and hold until 💡 flashes.
2. To adjust light between 20…100 % press 🔺 or 🔻 button.
3. To confirm setting either press 💡 button or wait (💡 is displayed).

NOTE: The Light works independently of the pilot flame. If you want the light on but no flame, press 💡 button.

MYFIRE APP

NOTICE

Before the App can be used, the myfire Wi-Fi Box must be wired and plugged into mains power according to myfire App setup diagram (see figure 32, page 30), and the App setup must be completed (see myfire App setup, page 25).
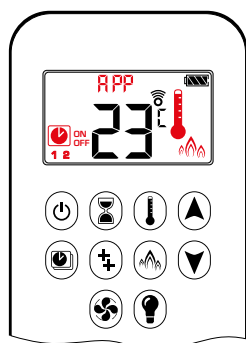
If Thermostatic, Program or Eco Mode is activated in the App, the corresponding icon and "APP" is displayed on the handset.

The modes can be operated according to the descriptions on previous pages.

NOTE: In Manual Mode "APP" is NOT displayed on the handset.

THE PUCK HANDSET

TECHNICAL DATA

AMBIENT TEMPERATURE RANGE
  CSA: The Puck: 32 °F to 131 °F
  CE: The Puck: 0 °C to 55 °C

RADIO FREQUENCY
  CSA: 918.0 MHz for U.S. (FCC), Canada (ISED), New Zea-
          land (RNZ) and Australia (ACMA) (The Puck, receiver)
  CE: 868.1 MHz for Europe (The Puck, receiver)
  (see radio frequency information on page 4.)

RADIATED POWER OUTPUT
  CSA: 84.5 µV/m
  CE: -18.5 dBm

POWER SUPPLY
  Handset: 2 x 1.5 V "AAA" (quality alkaline recommended)

> *NOTICE*
>
> Wiring of valve and receiver must be completed before starting ignition. Failure to do so could damage the electronics.

> *NOTICE*
>
> The handsets and receivers are not interchangeable with previous electronics G6R and B6R-R8(9)U(T).

> ⚠ **WARNING**
>
> To avoid damaging the electronics, do NOT use metal tools to remove the batteries from the handset / receiver.

> ⚠ **WARNING**
>
> - Without using a mains adapter, battery replacement is recommended at the beginning of each heating season.
> - Old or dead batteries should be removed immediately. If left in the unit the batteries can overheat, leak, and / or explode.
> - Do NOT expose batteries (including during storage) to direct sunlight, excessive heat, fire, moisture, or severe impact. Each of these conditions can cause the batteries to overheat, leak, and / or explode.
> - Batteries must be kept within their recommended temperature limits (ambient battery temperature range: 32 °F to 131 °F / 0 °C to 55 °C).
> - New and old batteries and different brands of batteries should not be used together. Mixing of various batteries can cause the batteries to overheat, leak, and / or explode.
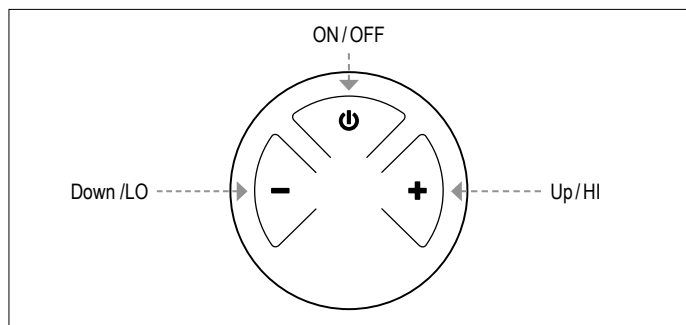
Figure 23: 3-button layout

SYNCHRONIZATION RECEIVER / THE PUCK HANDSET

> *NOTICE*
>
> See page 7 for more information about synchronization between receiver and The Puck.

MODES OF OPERATION

> ⚠ **WARNING**
>
> When pilot ignition is confirmed, motor turns automatically to maximum flame height.
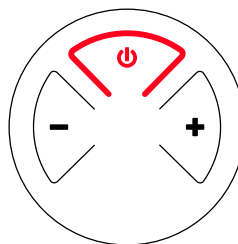
TURN FIRE **ON** AND **OFF**
- Press and hold the ⏻ button until two short beeps confirms the start sequence has begun; release button.
- Main gas flows once pilot ignition is confirmed.
- Press and hold the ⏻ button to turn **OFF**.

> ⚠ **WARNING**
>
> If the pilot does not stay lit after several tries, turn the main valve knob to **OFF** and follow the instructions "TURN OFF GAS TO APPLIANCE" (see page 10).
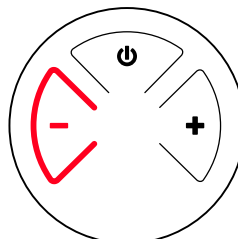
STANDBY MODE (PILOT FLAME)
- Press and hold the **"−"** button to set appliance to pilot flame
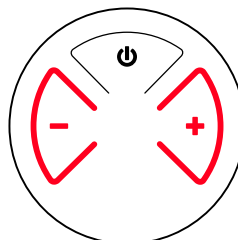
FLAME HEIGHT ADJUSTMENT
- To increase flame height press and hold **"+"** button.
- To decrease flame height or to set appliance to pilot flame, press and hold **"−"** button.
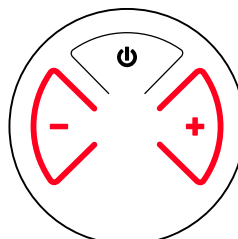
DESIGNATED LOW FIRE AND HIGH FIRE
- To go to hi fire, double-click **"+"** button.
- To go to low fire, double-click **"−"** button.

NOTE: Flame goes to high fire first before going to low fire.

> ⚠ **WARNING**
>
> If the appliance will not operate, follow the instructions "TURN OFF GAS TO APPLIANCE" (see page 10).

MYFIRE WI-FI BOX (B6R-W2…)

TECHNICAL DATA

AMBIENT TEMPERATURE RANGE
32 °F to 176 °F / 0 °C to 80 °C

RADIO FREQUENCY
2.4 GHz (see radio frequency information on page 4.)

RADIATED POWER OUTPUT
19.8 dBm

POWER SUPPLY
6 VDC powered by the receiver

WIRELESS COMMUNICATION
- WPA2 authentication
- AES 256-bit encryption security
- Compatible with IEEE 802.11 b/g/n

POWER CONSUMPTION
Nominal: max. 0.5 W
Standby: max. 0.03 W

LED RGB CONTROL OUTPUT
Phoenix, 3 pol, MC 1.5/3-ST-3.5, 5 VDC - 24 VDC / 5 A

LED RGB EXTERNAL POWER INPUT
Phoenix, 2 pol, MC 1.5/2-ST-3.5, 5 VDC - 24 VDC / 5 A

APPROVALS / SDOC
Europe (CE); U.S. (FCC), Canada (ISED), New Zealand (RNZ), Australia (ACMA)

MODES OF OPERATION

The myfire Wi-Fi Box communicates with a home network (Wi-Fi Router) over a wireless signal.

1. The myfire Wi-Fi Box must be wired to the receiver according to the myfire App setup diagram (see figure 32, page 30)
2. Connect receiver to mains power. The myfire Wi-Fi Box start with the Access Point Mode (green/blue LED blinking). Go to "myfire App setup"…

MINIMUM REQUIREMENT FOR WI-FI ROUTER
- IEEE 802.11n/g/b compatibility
- WPA2 encryption
- Radio frequency: 2.4 GHz band
- Wireless auto channel: Automated search for WLAN radio channel free of interference
- User Datagram Protocol (UDP) support
- Multicast DNS (mDNS) for Kwik Connect process

MINIMUM REQUIREMENT SMART DEVICE:
- iOS 10.0 or Android 5.0
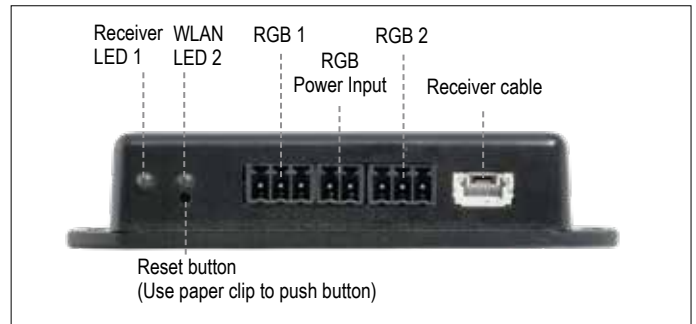
Figure 24: myfire Wi-Fi Box (B6R-W2…)

LED INDICATION ON MYFIRE WI-FI BOX (see figure 24, page 23)
2 RGB LEDs

Label	LED	Status
Receiver LED 1	Green	Connected to receiver.
	Red	No data transfer between receiver and Wi-Fi Box.
	Off	Standby mode is active or no Power supply.
WLAN LED 2	Green	Wi-Fi connection is safe.
	Blue/Green blinking	Access point mode (AP mode) is active.
	Red	Connection to home network (Wi-Fi Router) failed.
	Off	Standby mode is active or no power supply.

RESET STATUS ON MYFIRE WI-FI BOX:

Press Reset Button	LED	Function
Power-On-Reset or 1-sec-Reset	WLAN LED 2 flashes red, green and blue	If no network is set, the AP Mode will be activated for 2 hours. When the network isn't set after 2 hours, the Wi-Fi Box will go to Standby Mode. Once a network is set, the Wi-Fi Box will connect directly.
7 secs	RECEIVER LED 1 flashes every 500 ms in blue	Removes the Wi-Fi settings and turns on the Access point mode (AP mode) for 2 hours.
20 secs	RECEIVER LED 1 flashes every 50 ms in blue	Erases all Setup Data including Wi-Fi settings. The AP-Mode will be activated for 2 hours.

NOTICE

- A Symax handset or The Puck must be used to achieve full functionality.
- If mains power is lost, disconnect the myfire Wi-Fi Box from the receiver. This will prevent receiver batteries from being drained quickly.
- If no network is configured, the myfire Wi-Fi Box will leave the Access Point Mode (AP Mode) after 2 hours.
- If you have multiple fireplaces using myfire Wi-Fi Boxes, the minimum distance between the myfire Wi-Fi Boxes must be 60 cm (2'). A shorter distance may interfere with the data transfer.

MYFIRE WI-FI BOX (B6R-W2…) RGB LED'S AND LED DRIVER

TECHNICAL DATA

RGB LED WORKING VOLTAGE RANGE
 5 - 24 VDC

SUPPORTED RGB LED COUNT PER RGB-CHANNEL
 300

MAXIMUM CABLE LENGTH WI-FI BOX TO LED-STRIPE
 2 meters

LED outputs support the requirements of WORLDSEMI WS28xx RGB controller family

REQUIREMENTS FOR EXTERNAL LED DRIVER

The LED Driver has to be selected according the voltage and required current consumption of the RGB-LEDs. There are two different possibilities to connect them:

Direct connection via Wi-Fi Box (≤ 5 A):
▪ 5 - 24 VDC / max. 5A on LED RGB external power input
▪ The power has to be connected to the LED RGB external power input of the Wi-Fi Box. (see figure 25, page 24)

Indirect connection (>5A)
▪ 5 - 24 VDC direct from the LED driver to the LEDs
▪ Connection of data output (DO) and ground (GND) from the LED RGB control output of the Wi-Fi Box to the RGB LEDs. (see figure 26, page 24)

> **NOTICE**
> There is no standard for RGB LED controller. Therefore, the RGB LEDs or RGB LED-stripes have to be tested for functionality. The color sequence can be different from the RGB, e.g. GRB. The sequence can be adjusted in the myfire App.

> **NOTICE**
> The Wi-Fi Box is designed according to the requirements of the EMC-directive 2014/30/EU and FCC/IC requirements. Third party devices and the wiring can change the electromagnetic compatibility behavior. It is the OEM's responsibility to have the appliance approved in accordance to all required standards and laws.

> **NOTICE**
> Electrical wiring has to be designed according to the power consumption and supplier recommendation of RGB-LED's. At a minimum of 24 VDC/5A a cross section of 0.5mm²/AWG 20 is recommended, for data wires flexible wires are recommended. All wires should have UL conformity and termperature rating accordingly.

Figure 25: LED setup 1 (Direct connection)

Figure 26: LED setup 2 (Indirect connection)

MYFIRE APP SETUP

> **NOTICE**
>
> For myfire App setup, you will need your Wi-Fi network SSID and password.

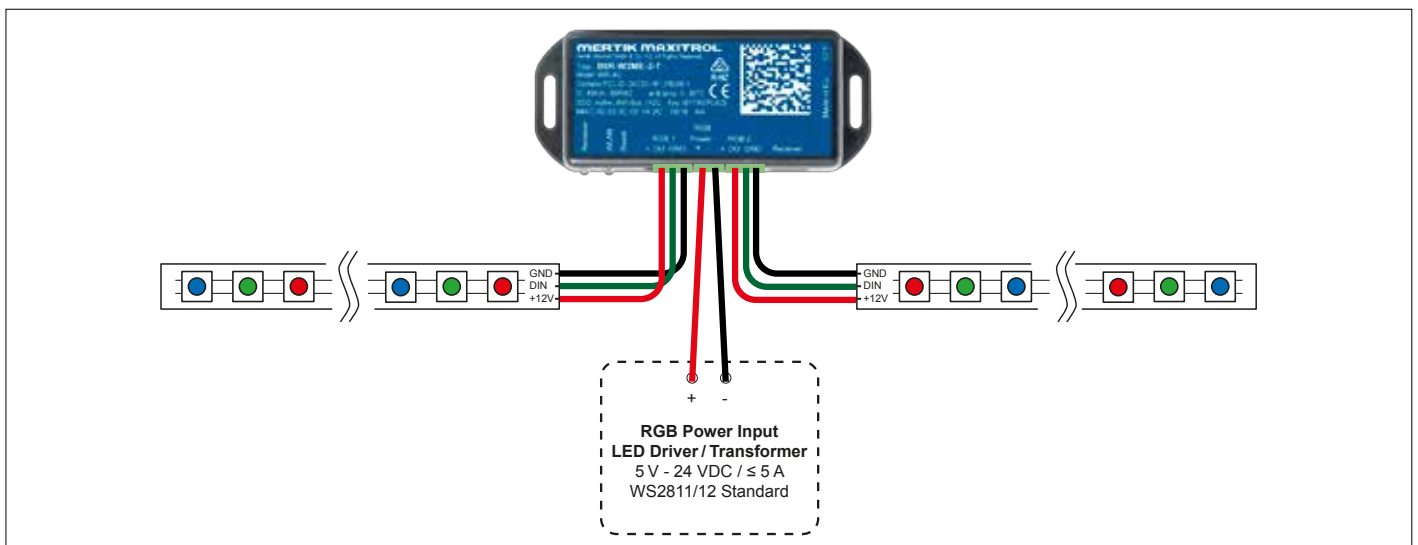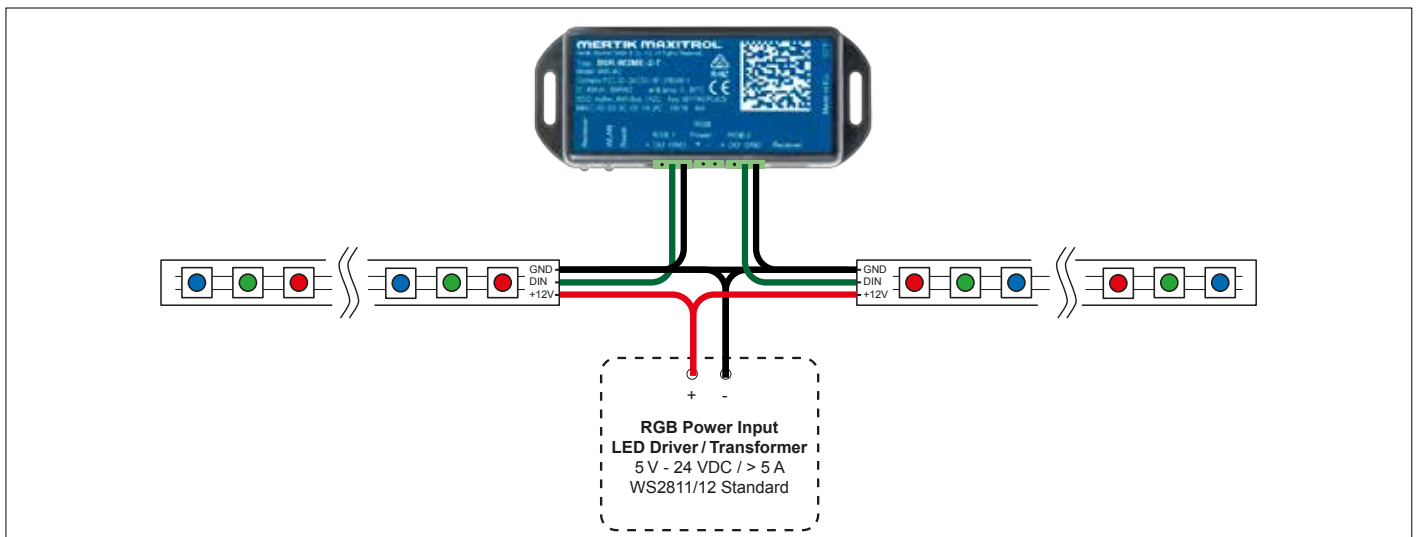**For more detailed App setup / operating instructions refer to www.myfireapp.com**

INITIAL SETUP
1. Download myfire App from Apple App Store or Google Play Store.
2. Touch screen to start App setup.
3. Choose language, temperature (°C or °F) and time format (12 or 24 hour).

REGISTRATION
NOTE: You must register before logging in. Registration is one time only.
1. Fill in data and accept the "Privacy Policy".
2. Touch "OK" in pop-up notice.
3. Touch link to confirm email verification.
4. You will be shown a message that you have successfully registered the myfire App.
5. Return to App.

LOGIN
1. Fill in your registration password.
2. Accept "Terms and Conditions".
3. Touch the "Login" button.

KWIK CONNECT

CONNECT SMART DEVICE TO MYFIRE WI-FI BOX
1. Touch the ⊕ icon.
2. The Home Wi-Fi Network name your smart device is currently connected to is displayed.
3. Type in the password of the displayed Home Wi-Fi Network.
4. Touch "Connect". The myfire App starts connecting the myfire Wi-Fi Box to the selected Home Wi-Fi Network.

COMPLETE MYFIRE APP SETUP
1. Type in a name for your fireplace or select an icon.
2. Activate Fan, Light and 2nd Burner if installed to your fireplace.
3. Touch "Finish" to complete the setup.

The home screen is displayed and the myfire App is ready to go.

STANDARD SETUP

IF KWIK CONNECT IS NOT AVAILABLE, AND YOU HAVE ENTERED THE CORRECT PASSWORD, USE STANDARD SETUP.

1. Type in the password of the displayed Home Wi-Fi Network.
2. Follow the instructions on the screen and touch the "Standard Setup" button to proceed.
3. Go to your smart device Wi-Fi settings and select the myfire Wi-Fi Box network (myfire_WiFi-Box_<number>) you want to connect.
4. Go back to the myfire App setup and follow the instructions on the screen. Your selected Wi-Fi Box network name from the smart device Wi-Fi settings is shown.

USE RETRY IF PASSWORD IS INCORRECT
1. Touch the "Retry" button to repeat the Kwik Connect process.
2. Type in the correct password.

> **NOTICE**
>
> To connect myfire Wi-Fi Box to Wi-Fi Router (home network), make sure:
> - Home network is available.
> - Home network name and password are correct.
> - SSID of the Wi-Fi Router is not hidden.
> - Home network signal is in range.
> - Wi-Fi Router supports User Datagram Protocol (UDP).

> **NOTICE**
>
> - After setting up the myfire Wi-Fi Box and myfire App, the time has to be synchronized in the settings of the myfire App.
> - The active device (The Puck or Symax or smart device) is the one last used. An exception is if the non-active devise is used to change Light, Fan, or 2nd Burner. The non-active device will make the changes, but the active device remains so if it is in Thermostatic, Program, or Eco Mode. If a Profile includes a Thermostatic, Program, or Eco setting it will also cause the active device to remain active.
> - If Thermostatic, Program, or Eco Mode is activated using the App, the corresponding icon and "APP" is displayed on the Symax (see figure 27, page 25).
> - During motor movement no information between receiver and transmitter is exchanged. The synchronization follows after motor has stopped.
> - The room temperature data is transferred by the Symax during synchronization.

Figure 27: App connected (in Thermostatic Mode)

> **NOTICE**
>
> It is the responsibility of the OEM to consider the following:
> - The location of the GV60 system components will significantly effect the radio signal strength.
> - The type of materials (e.g. sheet metal) used in the construction of the gas fireplace will significantly effect the radio signal strength.
> - Operate the system with a dedicated mains power supply and/or batteries.
> - Do not use near household electrical wiring and/or magnetic fields.
> - Other transmitters using the same signal will negatively affect the radio signal strength.
> - Adjustment of the wired antenna on the receiver can improve signal strength.
> - Do not store or locate the GV60 system components in a hot, cold, or humid environment.

WIRING DIAGRAMS

BASIC

8 Wire Cable
G6R-C…

Thermocurrent Cable SW
with ON / OFF Switch
G60-ZSKS(L)S…

Thermocurrent Cable TC
G60-ZKIRS…

Wall Switch (optional)
G6R-ZWSE(N)…

Mains Adapter (optional)
G60-ZMA3

Combination Control
GV60…

Interrupter Block
G60-ZUSV…

Ignition Cable
G60-ZKIS…

Pilot Burner
G30-ZP2M-L

Main Burner

MA
GR
MO
SW
PANEL
SW TC
SPARK

Receiver
B6R-R8P,
B6R-RAP

RESET Button

Antenna
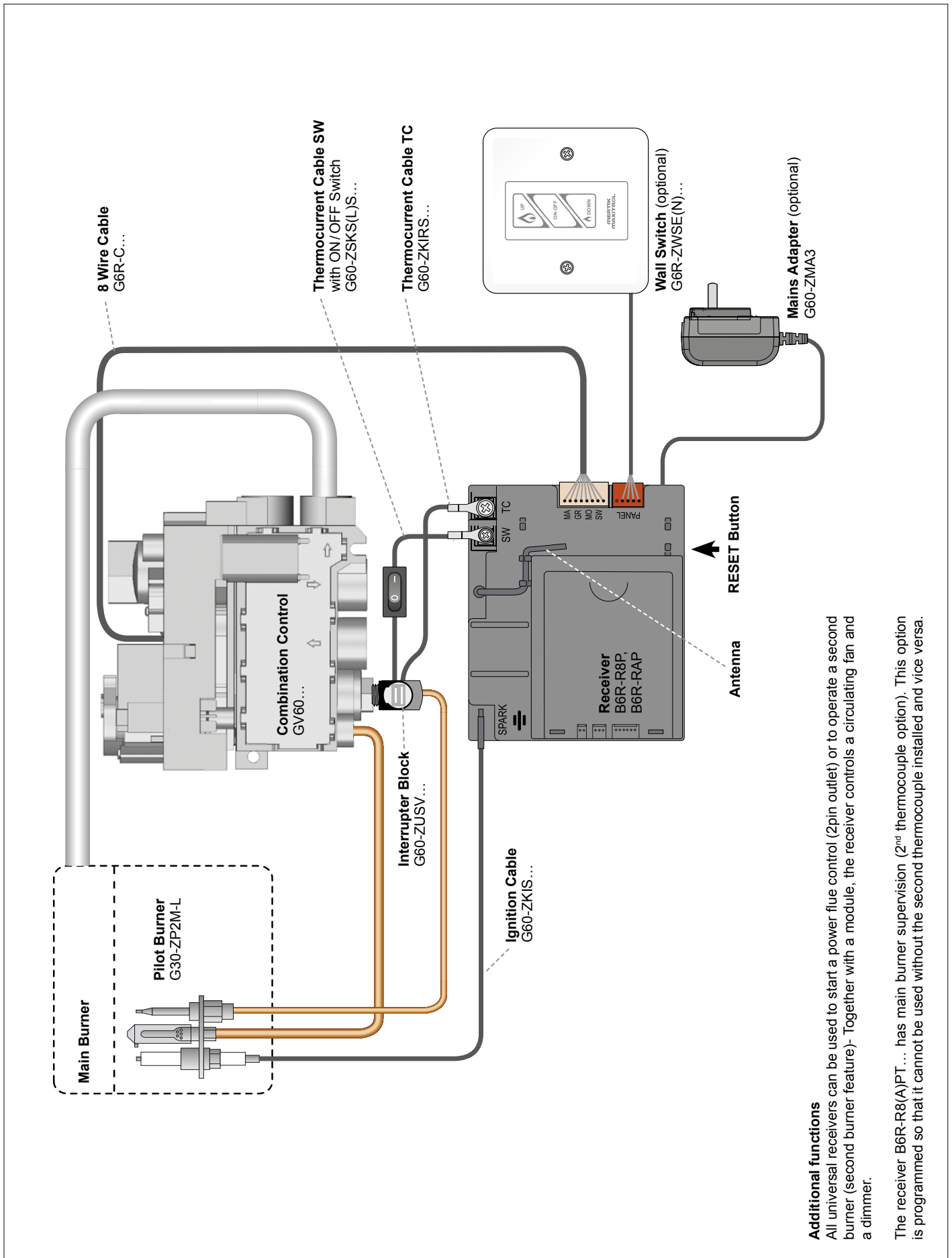
Additional functions

All universal receivers can be used to start a power flue control (2pin outlet) or to operate a second burner (second burner feature)– Together with a module, the receiver controls a circulating fan and a dimmer.

The receiver B6R-R8(A)PT… has main burner supervision (2nd thermocouple option). This option is programmed so that it cannot be used without the second thermocouple installed and vice versa.

Figure 28

FAN, LIGHT / DIMMER, 2ND BURNER FEATURE

ENGLISH

Latching Solenoid Valve
GV-S60…
(Latching solenoid as shown shuts off burner 2, leaving on the burner 1.

For more information see instructions GV-S60-II-EN.DE.FR.NL… or consult Mertik Maxitrol.)

Combination Control
GV60…

SW   TC

MA
GR
MO
SW
PANEL

SPARK

Receiver
B6R-R8P,
B6R-RAP

Cable V Module-Receiver
G6R-CBV…

MERTIK MAXITROL

V Module G6R-BEAV3

LIGHT   FAN   POWER
1~2   1~2   1~2

1~2   1~2   1~2

Max. AWG 12 / 2.5 mm²

MERTIK MAXITROL

V Module G6R-BUMV3

LIGHT   FAN   POWER
1~2   1~2   1~2

1~2   1~2   1~2

Molex 39-01-4031

Molex 39-01-4041

Mains Power
(115 / 230 V; AC)

Infinitely variable
20 % to 100 %

0 to 100 Watt

NOTE: To connect LED lights or 12 V lamps a driver/transformator is needed.

4 levels from
60 % to 100 %

14 to 100 Watt

The appliance manufacturer must test levels with fan. Levels may vary with fan characteristics.

NOTICE

Hand tighten M4 screws (not provided) to secure the module via the two pre-drilled screw holes.
Use only M4 screws to secure the module.

⚠ **WARNING**

ELECTRIC SHOCK HAZARD
- Read these instructions carefully. Failure to follow them could result in property damage, personal injury, or loss of life.
- This control must be electrically wired and operated in accordance with all codes and local regulations. Service and installation must be performed by a trained, experienced service technician.
- Do not use the module if you suspect it may be damaged.

Figure 29

2nd THERMOCOUPLE

Image 1: Lock crimp terminal (G60-ZCTCR/2000) inside connector hole of the plug.

Image 2: Insert plug connector into the receiver.

Wall Switch (optional)
G6R-ZWSE(N)…

Switch Panel (optional)
G6R-SPKS/1000

External Operation (optional)
G60-ZCE/1000

Combination Control
GV60…

2nd Thermocouple cable
G60-ZCTCR/2000

2nd Thermocouple cable
G60-ZCTC/2000

Wall Switch/Touchpad Cable
G6R-CWSN…

Ground cable
G60-ZCGTC2000

Non-insulated cable

Insulated cable

Main Burner

2nd thermocouple
G60-ZPT300

Pilot Burner
(not shown here)

Standard connection

Cable connection for combination with Wall Switch

SPARK

Receiver
B6R-R8PT(2),
B6R-RAPT,
B6R-RAPT2

SW TC

MA
GR
MO
SW

NOTICE

The 2nd thermocouple is not a safety device.

Connection of a 2nd thermocouple

- A 2nd thermocouple is placed in the main burner to check that the main gas is ignited within a certain time after opening.
- The voltage is measured for 22 sec (PT) or 29 sec (PT2) after the motor has turned to high fire (during ignition and after increasing flame height). If the voltage is lower than 1.8 mV, the electronics shut off the gas flow. A new ignition is blocked for 2 minutes after ignition failure and 1 minute after failure while opening main gas.
- Receivers for 2nd thermocouple are identified with a yellow sticker on the back. They will not operate without the thermocouple connected. Other versions will not operate if the thermocouple is connected.
- To use Wall Switch, Switch Panel or External Operation Cable, the additional G60-ZCTCR/2000 cable is needed.

NOTICE

To install the 2nd thermocouple make sure that the insulated male spade is connected to the insulated female spade. The non-insulated male spade must be connected to the female spade ground cable. The ground cable should be connected to the ground at the valve or the heater.

COMBINATION WITH WALL SWITCH

1. Remove G60-ZCTC/2000 cable and replace with Wall Switch/Touchpad G6R-CWSN… cable.
2. Insert the crimp terminal of the G60-ZCTCR/2000 cable into the open connector hole of the plug (see image 1). Listen for a "click".
3. Insert the insulated receptacle into the insulated 2nd thermocouple terminal.
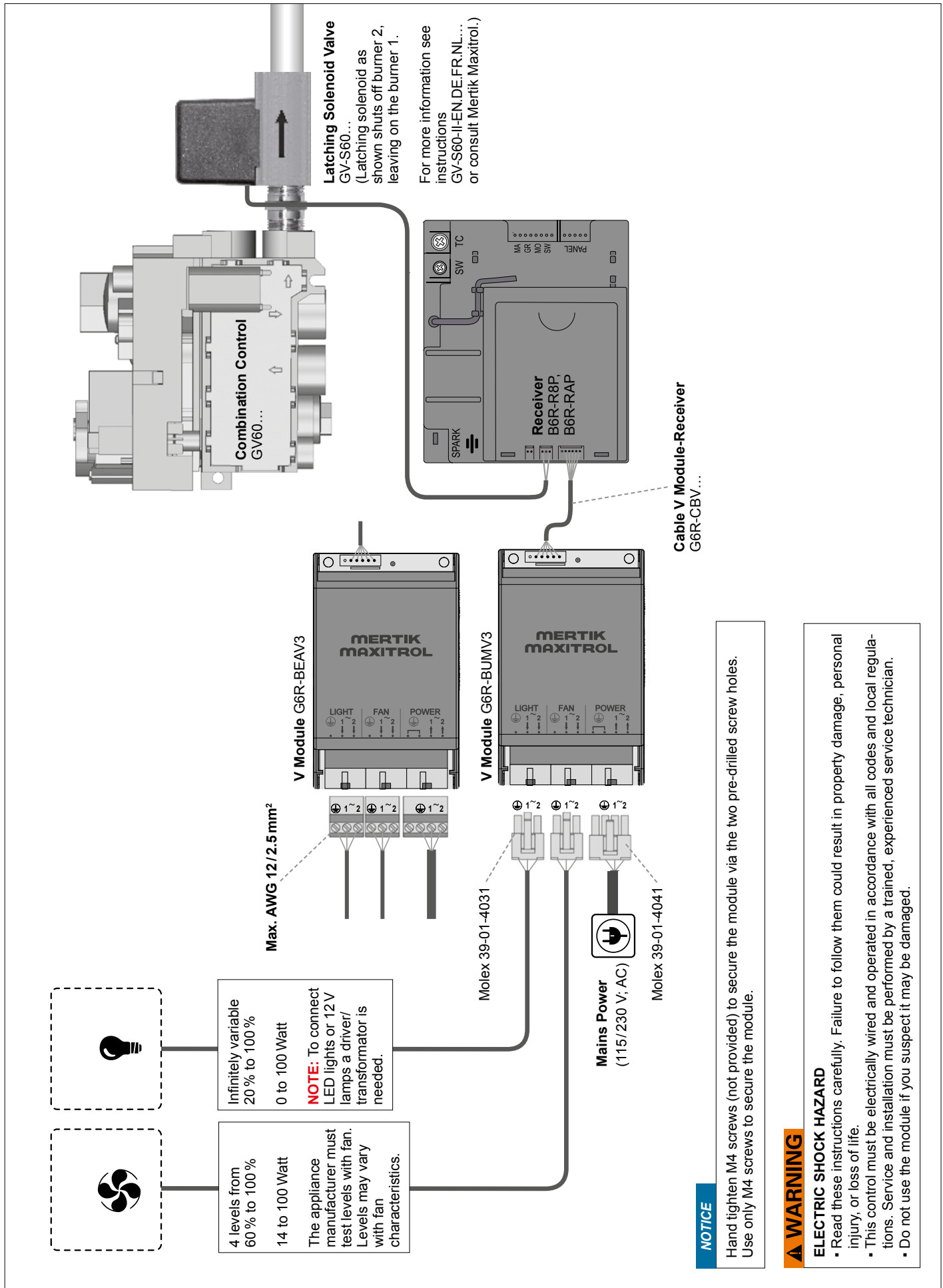4. Insert the plug connector into the receiver (see image 2).
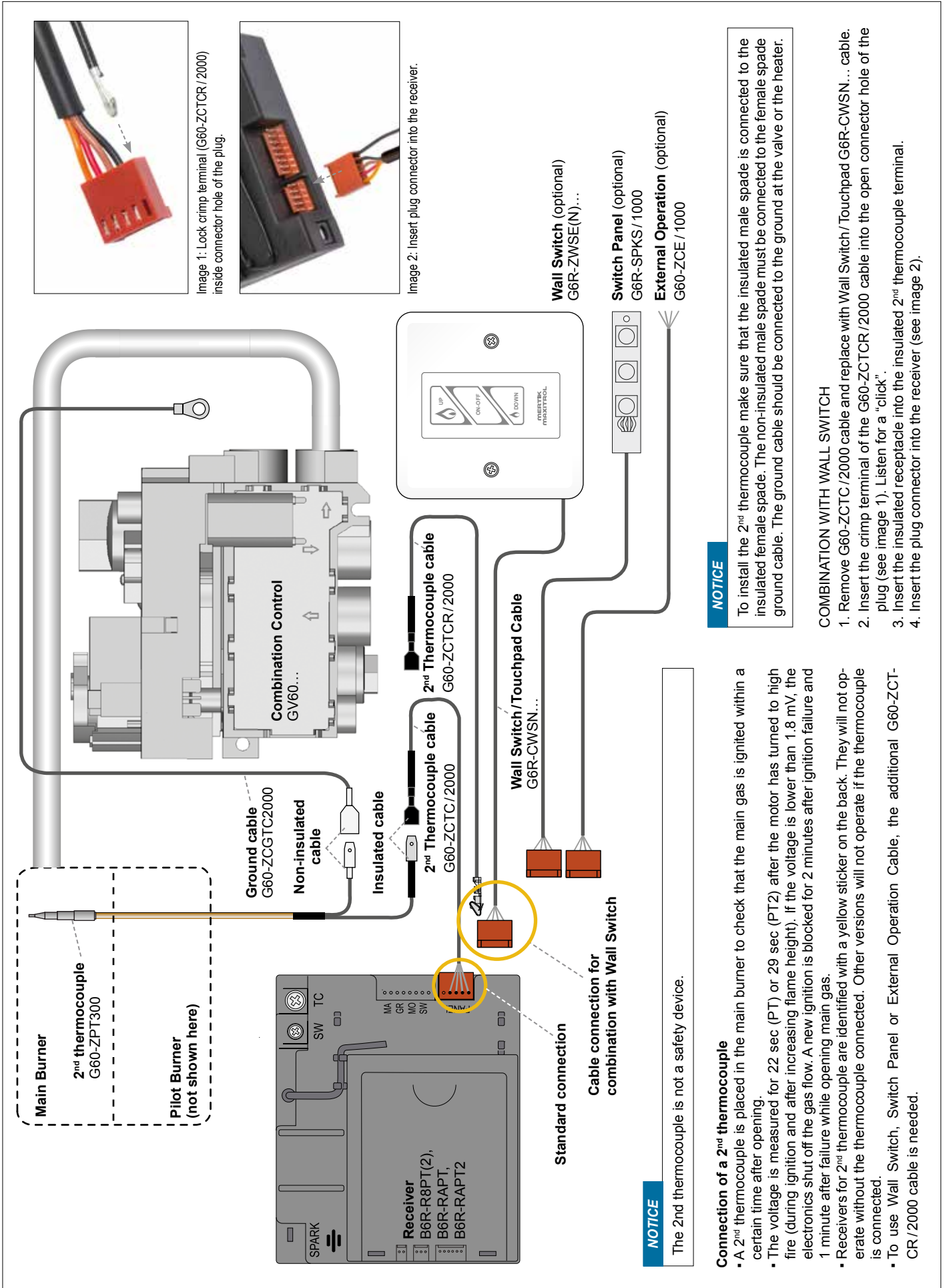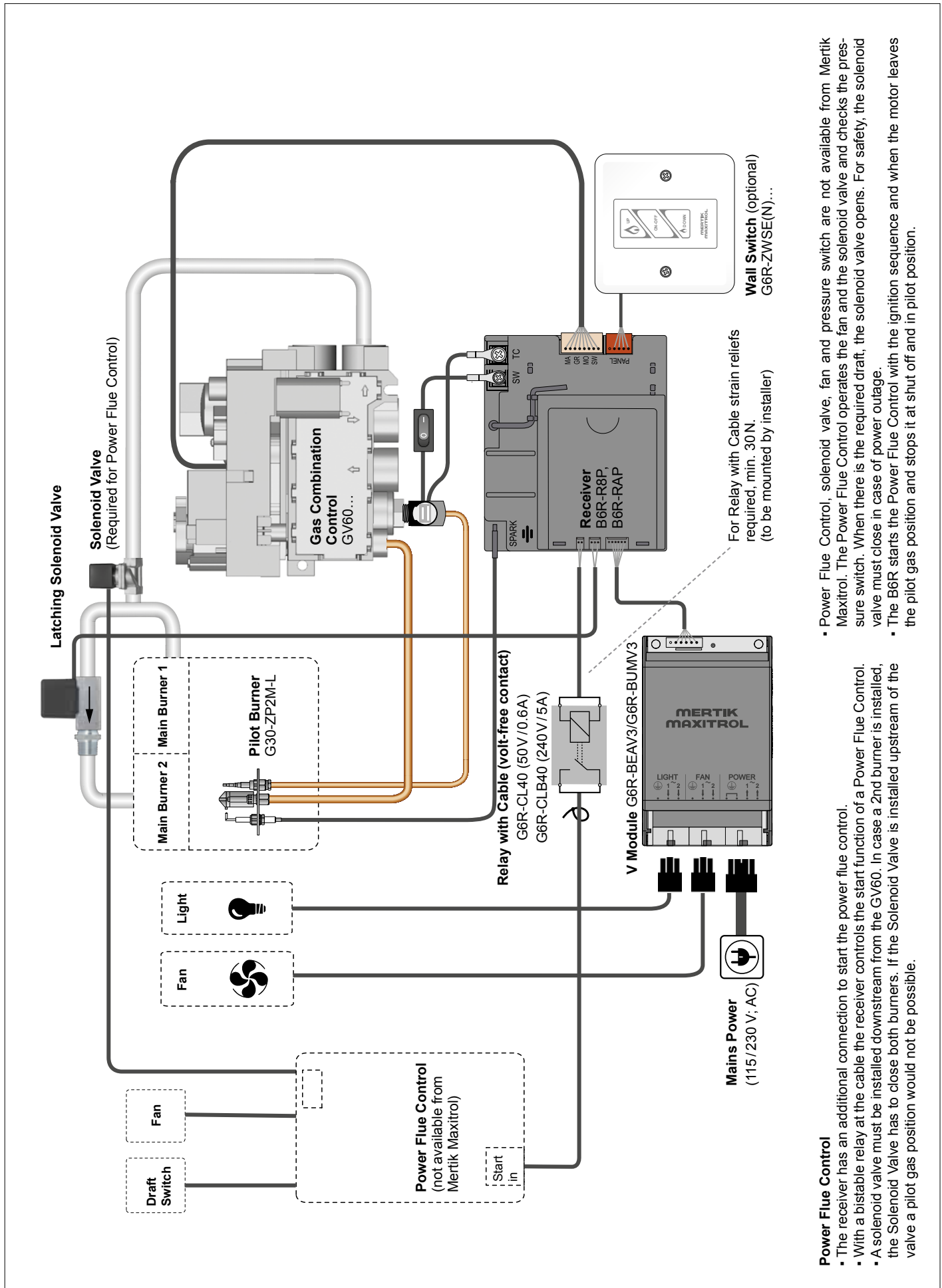
Figure 30

RECEIVER FOR POWER FLUE CONTROL, FAN, LIGHT / DIMMER, 2ND BURNER FEATURE (VOLT-FREE CONTACT)

Figure 31

Power Flue Control
- The receiver has an additional connection to start the power flue control.
- With a bistable relay at the cable the receiver controls the start function of a Power Flue Control.
- A solenoid valve must be installed downstream from the GV60. In case a 2nd burner is installed, the Solenoid Valve is installed upstream of the Solenoid Valve has to close both burners. If the Solenoid Valve is installed upstream of the valve a pilot gas position would not be possible.
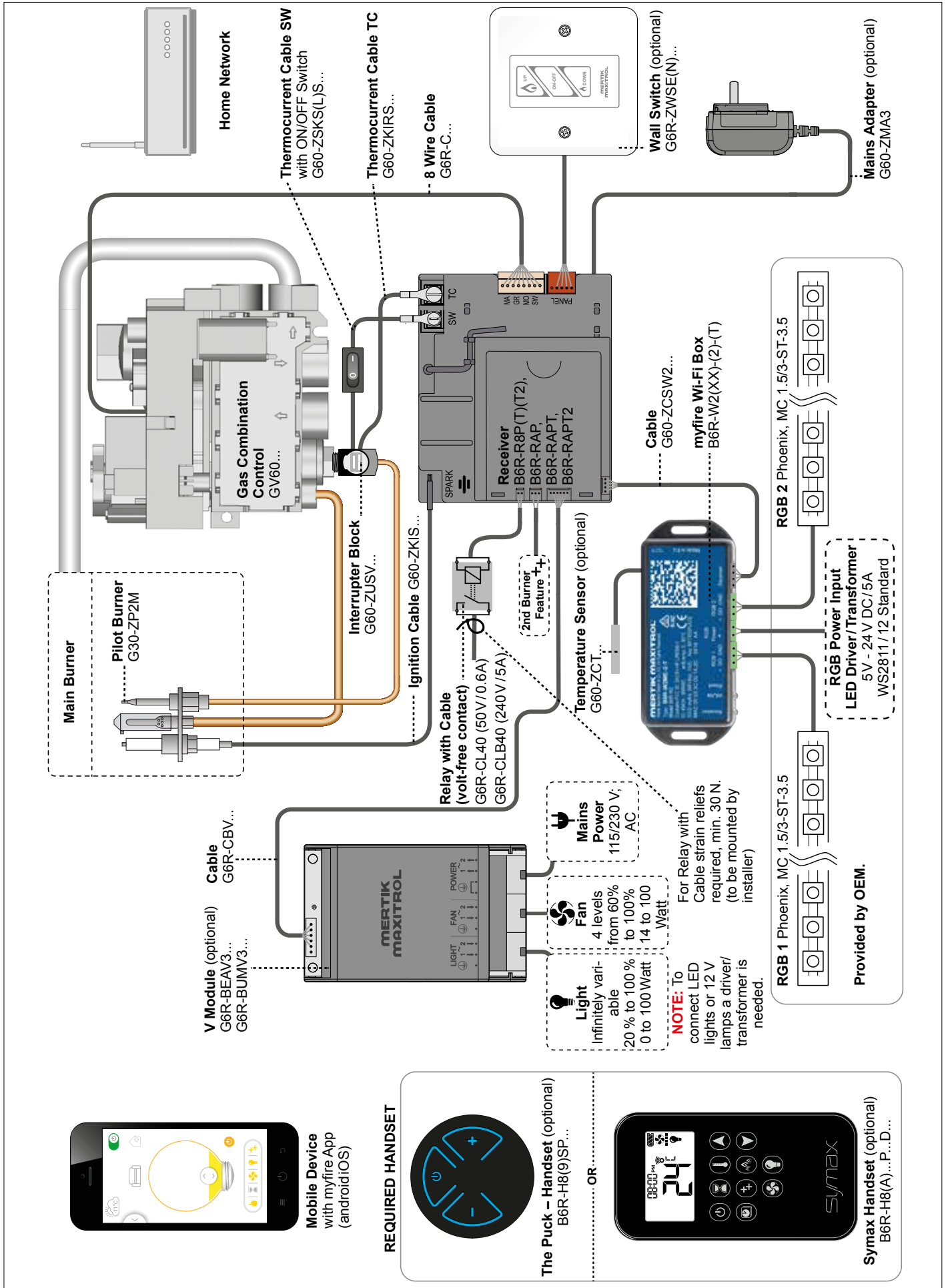
- Power Flue Control, solenoid valve, fan and pressure switch are not available from Mertik Maxitrol. The Power Flue Control operates the fan and the solenoid valve and checks the pressure switch. When there is the required draft, the solenoid valve opens. For safety, the solenoid valve must close in case of power outage.
- The B6R starts the Power Flue Control with the ignition sequence and when the motor leaves the pilot gas position and stops it at shut off and in pilot position.

ENGLISH

MYFIRE APP SETUP

Figure 32

NOTES

NOTES

MERTIK MAXITROL®

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Exclusive Distributor North America
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