



01V SERIES UNVENTED REMOTE SYSTEM INSTRUCTIONS

WARNING

WHAT TO DO IF YOU SMELL GAS:

- **Do NOT operate any appliance.**
- **Do NOT touch any electrical switch; do NOT use any phone in your building.**
- **Immediately evacuate the area and contact the gas supplier. Follow the gas supplier's instructions.**
- **If you cannot reach the gas supplier, call the fire department.**

Read these instructions carefully and completely before installing or operating. Failure to follow them could result in a fire or explosion causing property damage, personal injury, or loss of life. Service and installation must be performed by a qualified professional service technician.

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 qualified professional service technician.
- Do NOT use the control if you suspect it may be damaged.

WARNING

Installation and service must be performed by a qualified installer, service agency, or the gas supplier. Installation shall conform with local codes, or in the absence of local codes, in accordance with the National Fuel Gas Code ANSI Z223.1/NFPA 54 or the IFGC or CSA B149.1. All piping and tubing must comply with local codes and ordinances.

Use only your hand to push in or turn the gas control knobs. Never use tools. If a knob will not push in or turn by hand, do not try to repair it. Call a qualified service technician. Force or attempted repair can result in a fire or explosion.

Do NOT use a product if you suspect it has been subjected to high temperatures, damaged, tampered with, or taken apart. Do NOT use a product if you suspect it has been under water or that liquid has seeped into the product. Any of these incidents can cause leakage or other damage that may affect proper operation and cause potentially dangerous combustion problems.

Do NOT store or use gasoline or other flammable vapors and liquids in the vicinity of this control or other appliances.

Follow all instructions supplied with your unvented burner system.

The appliance to be controlled by this remote system is designed as an attended appliance. DO NOT leave the appliance burning when unattended.



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REMOTE SAFETY INFORMATION

- A. Carefully read all instructions to ensure safe and proper operation of the 01V remote.
- B. **Before using ANY modes, you MUST fully understand those modes and their functions.**
- C. An adult must be present at all times during operation. DO NOT leave this appliance unattended.
- WARNING: Exercise caution when using this remote. The appliance will operate as programmed and will automatically turn the burner ON, REGARDLESS OF YOUR PRESENCE. Periodically verify that the remote is set to the correct mode during use and before leaving the appliance unattended.**
- Important: Set/program the system to remain in standby mode or shut-off the system completely when leaving the appliance unattended.**
- D. When using this 01V remote system, the system operations are governed by the time, temperature, and flame settings configured on the remote, along with the thermometer integrated into the device. Remote readings may differ from those of other devices. For accurate measurements, ensure the remote remains centered in the room (and out of children's reach) at all times. Always point the remote towards the burner system when using the remote buttons.
- E. Stay at a safe distance when turning on appliance. When turning burner ON with manual mode, the motor turns automatically to maximum flame height.
- F. The appliance must be in standby mode (pilot on) for any modes on the remote to operate.
- G. Switching between modes is a user-controlled function. Modes are only active if the mode is displayed on the remote. Check periodically to ensure the intended mode is set.
- WARNING: Pressing the flame height buttons at any time while the system is running in any mode will automatically switch the remote to manual mode. Check periodically to ensure the intended mode is set.**
- H. The time displayed on the remote should be checked and adjusted periodically when using timer mode to ensure safe operation.
- I. Allow up to 10 minutes for the remote to communicate with the receiver.
- IMPORTANT BATTERY INFORMATION:** Replace batteries at beginning of each heating season. Using old, dead, and/or mixed brands of batteries in a fireplace can cause batteries to leak and/or explode. Keep batteries within recommended temp limit (32°F to 131°F / 0°C to 55°C).

APPLICATION

The remote system is a battery-powered electronic remote ignition and control system for gas appliances with pilot burners and ODS systems.

PRODUCT SPECIFICATIONS

GENERAL NOTES

Radio Frequency Transmitter (Remote Control)

433.92 MHz for Europe; 315 MHz for U.S. and for Canada. 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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Batteries - Transmitter:

- 1 x 9V (alkaline recommended)
- Low battery indicator on handsets with display.
- Battery replacement is recommended after 2 years.

Batteries - Receiver:

- 4 x 1.5V "AA" (alkaline recommended)
- Low battery indication: frequent beeps for 3 seconds when motor turns.
- Battery replacement is required at the beginning of each heating season.

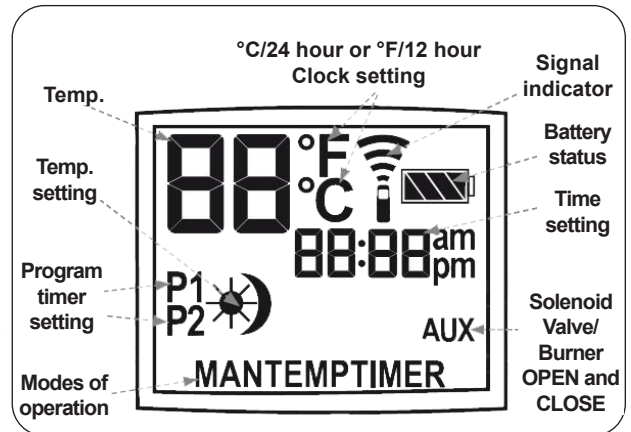


Fig. 3-1 Transmitter display detail

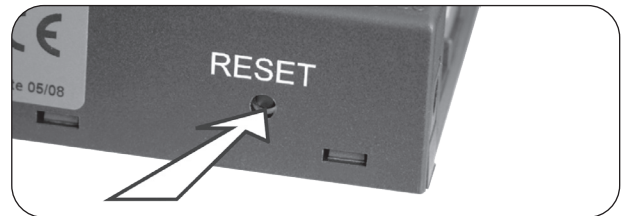


Fig. 3-2 Receiver reset button

TRANSMITTER (REMOTE CONTROL) SYNCING

1. Press and hold the receiver's reset button (see Fig. 3-2) until you hear two (2) beeps. The first beep is short and the second beep is long. After the second beep, release the reset button.
2. Within the subsequent 20 seconds press the  (small flame) button on the handset until you hear two additional short beeps confirming the code is set. If you hear one long beep, this indicates the syncing sequence has failed or the wiring is incorrect.

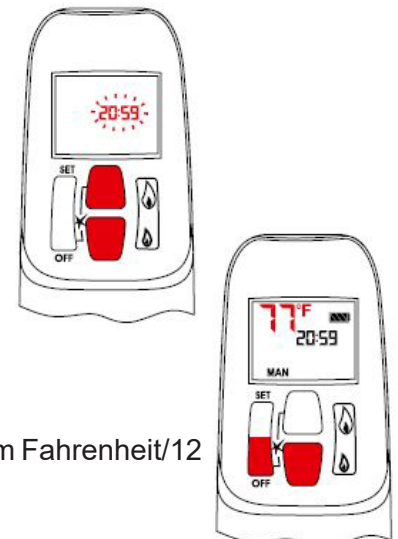
Note: This is a one-time setting only, and is not required after changing the batteries of the handset or receiver.

OPERATING INSTRUCTIONS

SETTING THE TIME

1. The Time display will flash after either:
 - a. Installing the battery or
 - b. Simultaneously pressing the  (large flame) and  (small flame) buttons.
2. Press  (large flame) button to set the hour.
3. Press  (small flame) button to set the minute.
4. Press **OFF** or simply wait to automatically confirm the time.

Note: TIMER Mode solely operates based on the time set on the remote.



SETTING °C/24 HOUR OR °F/12 HOUR CLOCK

Press and hold the **OFF** and  (small flame) buttons until display changes from Fahrenheit/12 hour clock to Celsius/24 hour clock and vice versa.

OPERATING INSTRUCTIONS (cont.)

TO TURN ON APPLIANCE

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

1. Turn on the gas supply to the appliance.
2. Turn MANUAL knob on valve counterclockwise to the **ON** position (see Fig. 4-1).
3. Place ON/OFF switch in **I (ON)** position (see Fig. 4-1).

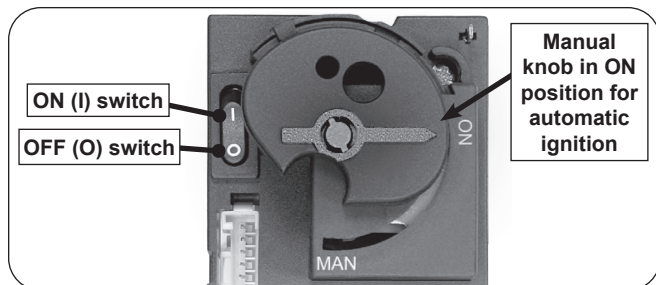
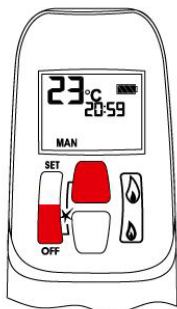


Fig. 4-1 Manual knob detail (automatic ignition)

4. Use the transmitter (remote) and simultaneously press the **OFF** and  (large flame) buttons until a short beep confirms the start sequence has begun; then release the buttons.
- Continuing beeps confirm the ignition is in process.
 - Once pilot ignition is confirmed, gas will flow to the main burner.
 - After the main burner has confirmed ignition, the transmitter (remote) will automatically go into MANUAL mode.



WARNING: If the pilot does not stay lit after several tries, turn the main valve knob to **OFF** and follow the TURN OFF GAS TO APPLIANCE section. Contact a qualified professional service technician.

STANDBY MODE (Pilot Flame Only)

Press and hold  (small flame) button to lower the main flame down to a complete stop of gas flow, leaving only the pilot burning.

Note: It will take 2-3 seconds for the system to shut off, leaving only the pilot flame.

WHEN IN STANDBY MODE:

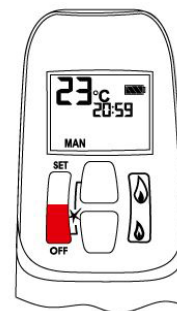
When the appliance is in standby mode (pilot only), the main burner can be simply turned ON by pressing and holding the  (large flame) button.

WARNING: If appliance is to be left on standby mode at any given time, it is important to keep the remote in a secure location and out of reach from children.

TO TURN OFF APPLIANCE COMPLETELY

Press the **OFF** button. This will turn off the main burner and pilot for a complete system shut off.

WARNING: If the appliance does not respond to the remote, see the TURN OFF GAS TO APPLIANCE section to turn OFF manually.



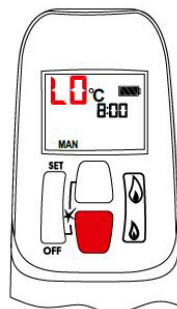
FLAME HEIGHT ADJUSTMENT

1. With the burner ON or in standby mode, press and hold  (large flame) button. If the burner is ON, it will increase the flame height. If in Standby, it will turn the burner ON.
2. Press and hold  (small flame) button to decrease flame height or set appliance to standby mode (pilot flame).

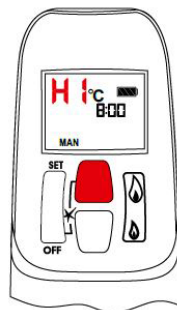
Note: For fine adjustment in flame height, single-press the  (large flame) or  (small flame) buttons.

DESIGNATED HIGH AND LOW FLAME

1. When the appliance is ON, Double-click  (large flame) button and it automatically goes to high flame. "HI" will be displayed.
2. When the appliance is ON, Double-click  (small flame) button. "LO" will be displayed.



Note: Flame goes to high first, then goes to low flame.



OPERATING INSTRUCTIONS (cont.)

MODES OVERVIEW

The appliance must be in standby mode (pilot flame ignited) for all modes to function.

To select a mode:

Press the **SET** button to change the mode in the following order:

MAN → ★ **TEMP** →) **TEMP** → **TIMER** → back to the beginning. See below for each mode.

MAN - Manual Mode

This mode allows the burner system to operate solely by the flame height selected on the remote. Temperatures are not monitored.

Note: Pressing the 🔥 (large flame) or the 🔥 (small flame) buttons at any time while in any mode will switch the system to MANUAL MODE.

Important: The system remains **ON** when in this mode and **MUST** be set to Standby Mode or shut **OFF** manually. See the beginning of this **OPERATING INSTRUCTIONS** section for more details.

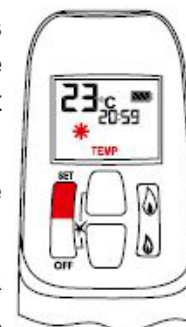


★ TEMP &) TEMP - Temp Thermostat Modes

★ TEMP and) TEMP thermostat modes allows the user to set two desired temperatures to store in the remote's memory. If ★ TEMP or) TEMP is selected for use as a temperature mode, the appliance will automatically adjust/operate intermittently to maintain that set temperature. To set the temperatures, see the ★ TEMP AND) TEMP section.

Note: When in temperature modes, the system will continue to maintain the temperature until the system is shutoff or when switched to another mode.

The temperatures set in ★ TEMP and) TEMP also work in conjunction with the **TIMER** **MODE** to schedule different temperatures throughout the day. See below and **TIMER** **MODE** section for more details.

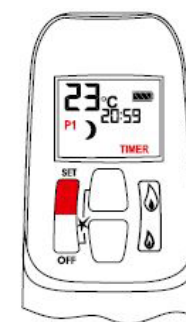


TIMER - Timer Mode

The appliance can be setup to operate up to 2 timer programs (P1 and P2) with 2 times scheduled per program. The timer programs work to maintain the temps set in ★ TEMP and) TEMP modes. See **TIMER** **MODE** **OPERATION** section for complete details.

Timer Mode operates within a 24-hour cycle and restarts daily, provided the remote remains in Timer Mode.

This mode must be deactivated, or scheduled to keep the burner OFF, during periods when the system will be unattended, such as overnight or while away.



MANUAL MODE

See the **TO TURN ON APPLIANCE** section on the previous page. When the system is turned on manually via the remote, it automatically operates on manual mode.

When the system is **ON** and operating in a mode different from manual mode, press the **SET** button repeatedly to scroll to **MAN**.

ALTERNATIVELY, you can simply adjust the flame height and the system will switch to Manual Mode.

Important: When using Manual Mode, the system will continue to operate until the system is shutoff or when switched to another mode.

OPERATING INSTRUCTIONS (cont.)

★TEMP AND)TEMP

★TEMP AND)TEMP HAVE TWO FUNCTIONS:

To be used as thermostat presets to maintain the selected ★ or) temps
(see USING ★ TEMP AND) TEMP AS TEMP THERMOSTAT MODES section below)

--- OR ---

To use for setting the temps in TIMER MODE (see TIMER MODE section on following page)

Temperatures must FIRST be assigned to ★ TEMP and) TEMP before they can be used as temp modes or with timer mode, see below to set the ★ and) temps.

Note: The "★" and ")" icons do not symbolize the time of day. They are icons simply used to identify two different temperatures set by the user.

Setting the ★ Temperature

Default settings: ★ TEMP, 73 °F / 23 °C

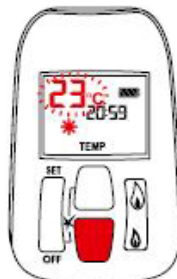
1. Press the **SET** button repeatedly to scroll to ★ TEMP. Hold the **SET** button until the temperature flashes.



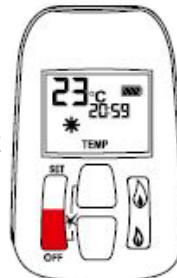
2. Press 🔥 (large flame) button to increase ★ Temperature.



3. Press 🔥 (small flame) button to decrease ★ Temperature or set to "--"(OFF).



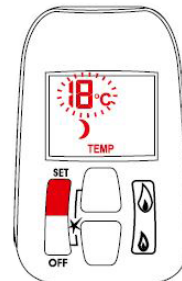
4. Press **OFF** or simply wait to automatically confirm the temperature.



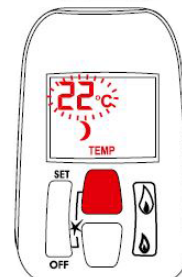
Setting the) Temperature

Default settings:) TEMP, "--" (OFF)

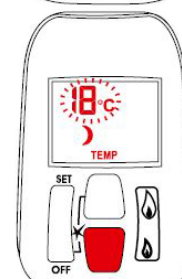
1. Press the **SET** button repeatedly to scroll to) TEMP mode. Hold the **SET** button until the temperature flashes.



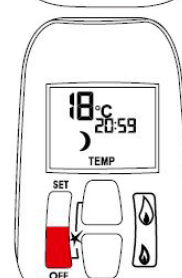
2. Press 🔥 (large flame) button to increase) Temperature.



3. Press 🔥 (small flame) button to decrease) Temperature or set to "--"(OFF).



4. Press **OFF** or simply wait for the remote to complete programming.



USING ★ AND) AS TEMP THERMOSTAT MODES

Press the **SET** button repeatedly to scroll to ★ TEMP or) TEMP. The system will now work to achieve the set temp.

Important: When using ★TEMP or)TEMP as TEMP MODES, the system will continue to maintain the temperature until the system is shutoff or when switched to another mode.

TIMER MODE

READ AND UNDERSTAND THESE INSTRUCTIONS COMPLETELY TO ENSURE SAFE AND PROPER OPERATION. REFER TO THE PREVIOUS PAGE AS NEEDED BEFORE PROCEEDING WITH TIMER MODE.

IMPORTANT

TIMER MODE WILL TURN ON THE APPLIANCE AUTOMATICALLY, REGARDLESS OF A PERSON'S PRESENCE.

The appliance is an attended appliance. DO NOT leave the appliance unattended when in use. The unit MUST be in standby mode or OFF when leaving the appliance unattended.

TIMER MODE WILL REPEAT DAILY UNTIL DEACTIVATED.

Timer Mode - Overview

Refer to Fig. 7-1 for TIMER screen details.

Timer Mode utilizes two simple programs (P1 and P2) to schedule temperatures throughout the day.

The basic function of a program is as follows: P1☼ will begin at a select time and will maintain the ☼ temp until the time elapses, *then* P1☾ will begin and will maintain the ☾ temp. This is the basic function of a timer program and works the same for P2. Continue reading for more details on how a programs flows and how to utilize an OFF function.

- Timer Mode offers two programs (P1 and P2) to operate your burner system.
- Each program uses ☼ and ☾ temps that must be defined before times are set. See previous page to set the ☼ and ☾ temps.
- The programs flow in this order: P1☼, followed by P1☾, *then* P2☼ and P2☾.
- A time must be set for P1☼, then a **later time** must be selected for P1☾. Then set a later time for P2☼ and P2☾. See † below. Instructions for setting the timer is on the following page.
- Both programs must be within a 24-hour time range.
- A day is programmable to start between 12:00am and end at 11:50pm. Time selection adjusts in 10-minute intervals.
- **To deactivate a program**, set P1☼ and P1☾ to **identical times**. The same applies to deactivate P2.
- **To schedule OFF times**: Set ☼ or ☾ temperature to "--" and this will keep the burner off. For example, If ☾ temp is set to "--", P1☾ and P2☾ will both work as scheduled OFF times within the programs.

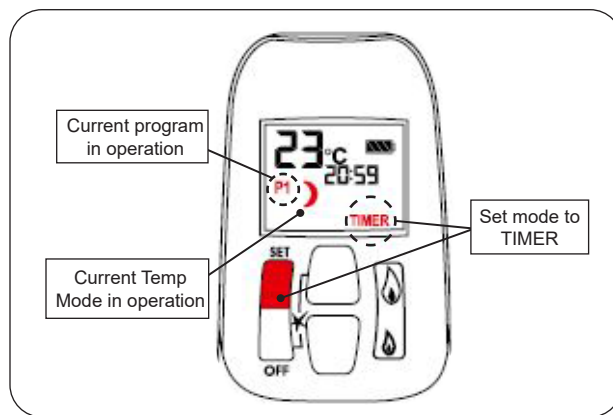
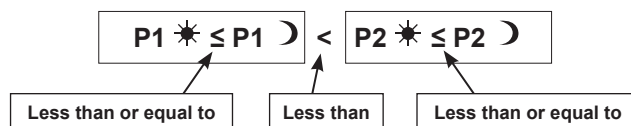


Fig. 7-1 Remote display info

† **TIMES MUST FLOW IN THIS ORDER (from earliest to latest):**



Timer Mode details continued on following page.

Setting Timer Mode

Important: ENSURE AM/PM TIME INDICATIONS ARE SET CORRECTLY FOR PROPER OPERATION.

How To Set Program 1 (P1)

1. Press the **SET** button repeatedly to scroll to TIMER Mode.
2. Hold the **SET** button until P1 and ☀ are displayed and the time flashes. See Fig. 8-1.
3. Set the hour by pressing the 🔥 (large flame) button.
4. Set the minutes by pressing the 🔥 (small flame) button.
5. Briefly press **SET** to confirm and proceed to P1 ☾. Ensure P1 and ☾ are displayed and the time flashes.
6. Set the hour by pressing the 🔥 (large flame) button.
7. Set the minutes by pressing the 🔥 (small flame) button.
8. Press **SET** to confirm and proceed program 2 (P2).

How To Set Program 2 (P2)

9. Ensure P2 and ☀ are displayed and the time flashes.
10. Set the hour by pressing the 🔥 (large flame) button.
11. Set the minutes by pressing the 🔥 (small flame) button.
12. Briefly press **SET** to confirm and proceed to P2 ☾.
13. Set the hour by pressing the 🔥 (large flame) button.
14. Set the minutes by pressing the 🔥 (small flame) button.
15. Press **OFF** or wait and the remote will automatically save your changes.

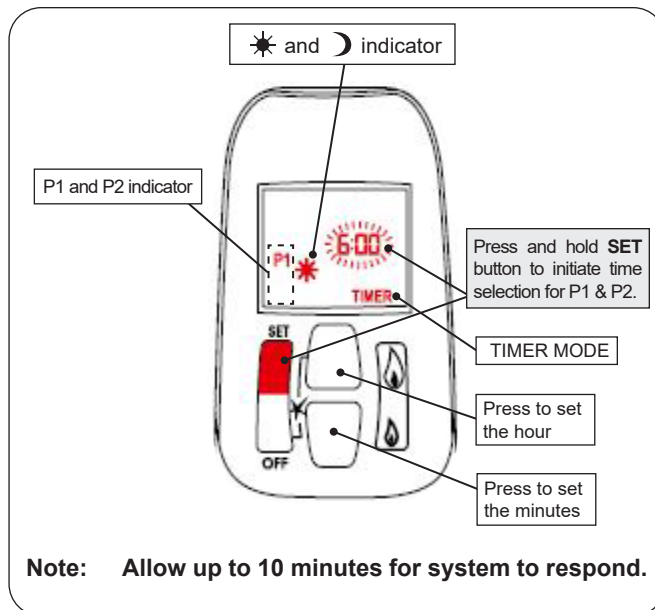


Fig. 8-1 Set program times

WARNING:

The programs will operate as long as the remote remains in TIMER Mode. **DO NOT LEAVE THE SYSTEM UNATTENDED WHEN THE SYSTEM IS IN OPERATION.** Return the remote to standby mode or completely shut off the appliance before leaving the appliance unattended at any time.

Example Program Configuration

Refer to the diagram below for a useful configuration example of the timer programs. Refer to the above section and previous pages as needed to set the timer mode to your preference.

☀ & ☾ TEMP Settings	P1 & P2 Settings
☀TEMP: 75° F ☾TEMP: "--" (OFF)	Program 1: P1 ☀: 7:00am P1 ☾: 11:00am Program 2: P2 ☀: 6:00pm P2 ☾: 10:00pm
Refer back to Setting the ☀ and ☾ Temperature sections to learn how to set temperatures and refer to the previous page for OFF settings details if needed.	See sections above to set the program times.

See the timeline below for a visual of how the above configurations will work.

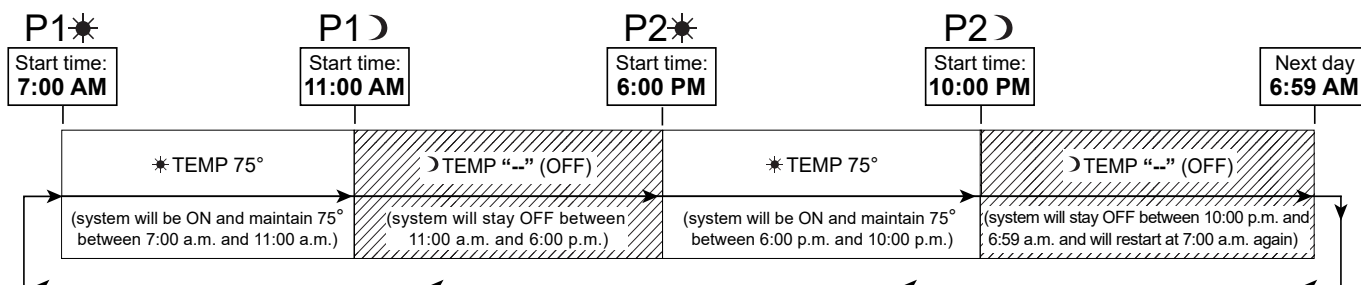


Fig. 8-1 Example program configuration diagram

MANUAL OPERATION

(Only possible, when MANUAL knob is used)

Access to the pilot burner is only required for ignition with a match.

When turning main valve knob, do NOT force. Knob has a slip clutch that clicks until the end stops are reached. This allows for manual flame height adjustment as well as adjustment to pilot standby position.

1. **STOP!** Read the safety information included before proceeding.
2. Turn main valve knob to the **OFF**, full clockwise ↻ position.
3. Turn MANUAL knob to the **MAN**, full clockwise ↻ position.
4. Place ON/OFF switch in **O** (OFF position).
5. Wait five (5) minutes to clear out any gas. Verify that no gas is in the area around the appliance, including near the floor. **If you detect gas STOP! Follow "WHAT TO DO IF YOU SMELL GAS" in the safety information on page 1.** If no gas is present, proceed to step 6.
6. Place ON/OFF switch in **I** (ON position).
7. With the MANUAL knob in **MAN** position a manual pilot valve operator and piezo igniter (optional) are accessible.
8. Using a small screwdriver (or similar), fully push down manual pilot valve operator and hold in, to start pilot gas flow (see Fig. 9-1).

IGNITION WITH MATCH:

Immediately light the pilot with a match, while continuing to hold in the manual pilot valve operator for about one (1) minute after the pilot is lit. Release manual pilot valve operator. If pilot does not stay lit, wait five (5) minutes and repeat.

IGNITION WITH PIEZO IGNITOR:

Change the ignition cable from the receiver (see Fig. 9-2, A) to the valve (see Fig. 9-2, B). Push in the piezo igniter to ignite. If pilot does not stay lit, wait five (5) minutes and repeat.

WARNING: If the pilot does not stay lit after several tries, turn the main valve knob to OFF and proceed to step 12.

9. If applicable, replace pilot access panel before proceeding.
10. Turn MANUAL knob to the **ON**, full counter-clockwise ↺ position.
11. Turn main valve knob to the full **ON**, full counter-clockwise ↺ position.
12. If the appliance will not operate, follow the **TURN OFF GAS TO APPLIANCE** section.

TO TURN OFF GAS TO APPLIANCE

1. Place ON/OFF switch in **O** (OFF position).
2. If gas control is accessible turn main valve knob to the **OFF** full clockwise ↻ position.

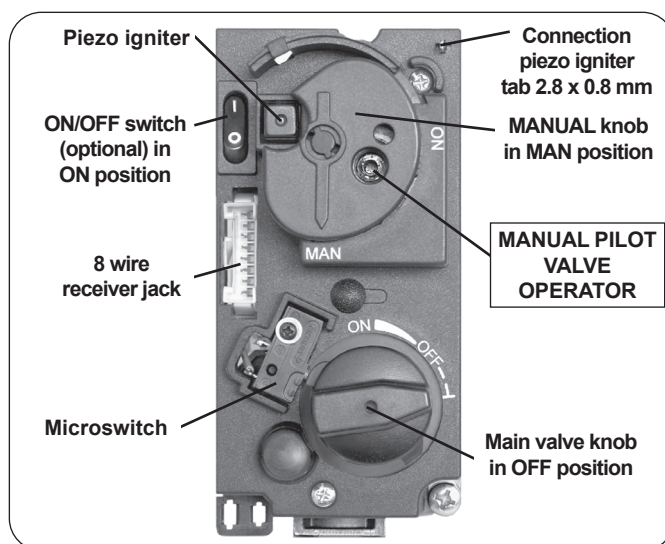


Fig. 9-1 Combination control, cover

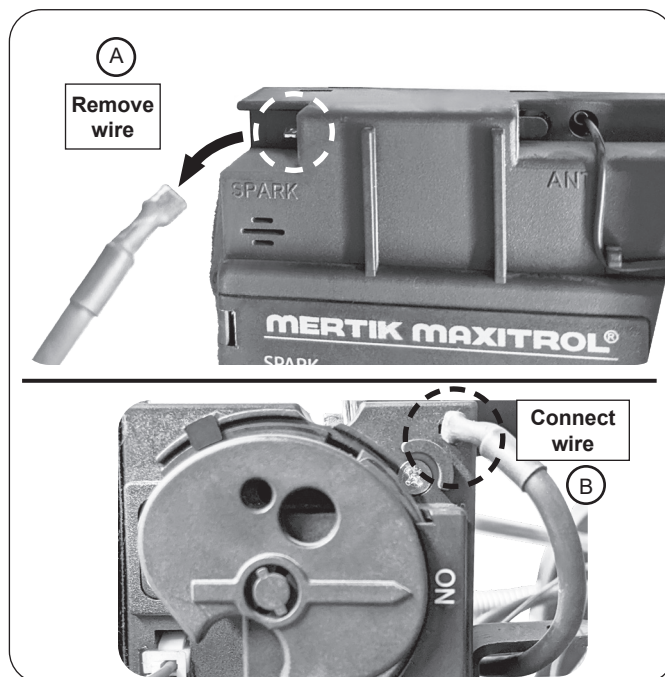


Fig. 9-2 Piezo igniter rewiring (if desired)

AUTOMATIC TURN DOWN

8 Hour Timeout (No Motor Movement)

This system has a default safety feature programmed to automatically turn the valve to Standby Mode (pilot flame only) if there is no motor movement for 8 hours.

Receiver Overheating

Valve turns to pilot flame if the temperature in the receiver is higher than 176 °F (80 °C) or 140 °F (60 °C) when batteries installed in the receiver battery compartment. The main burner comes back on only when the temperature is below 176 °F (80 °C).

AUTOMATIC SHUT OFF

Low Battery

With low battery power in the receiver or remote, the system shuts off the fire completely. **Ensure to only use new batteries with the remote and receiver.**

On-Demand Pilot (7 Day Shut-Off)

- This green feature eliminates gas energy consumption during extended appliance inactivity. When the appliance is inactive for an extended period of time the system automatically extinguishes the pilot. This feature helps the consumer realize cost benefits by automatically eliminating energy consumption during non-heating months and limited use.
- The programmed length of inactivity to activate the system is specified by the appliance manufacturer and cannot be altered in the field.

System Shut Off

The system shuts off the fire if the main burner does not completely ignite approximately 20 seconds after ignition or after pushing  (large flame) button.

Note: Before the next ignition there is a 2 minute waiting period. If the thermocouple is then still too hot, you will hear a long beep.

WIRING DIAGRAM

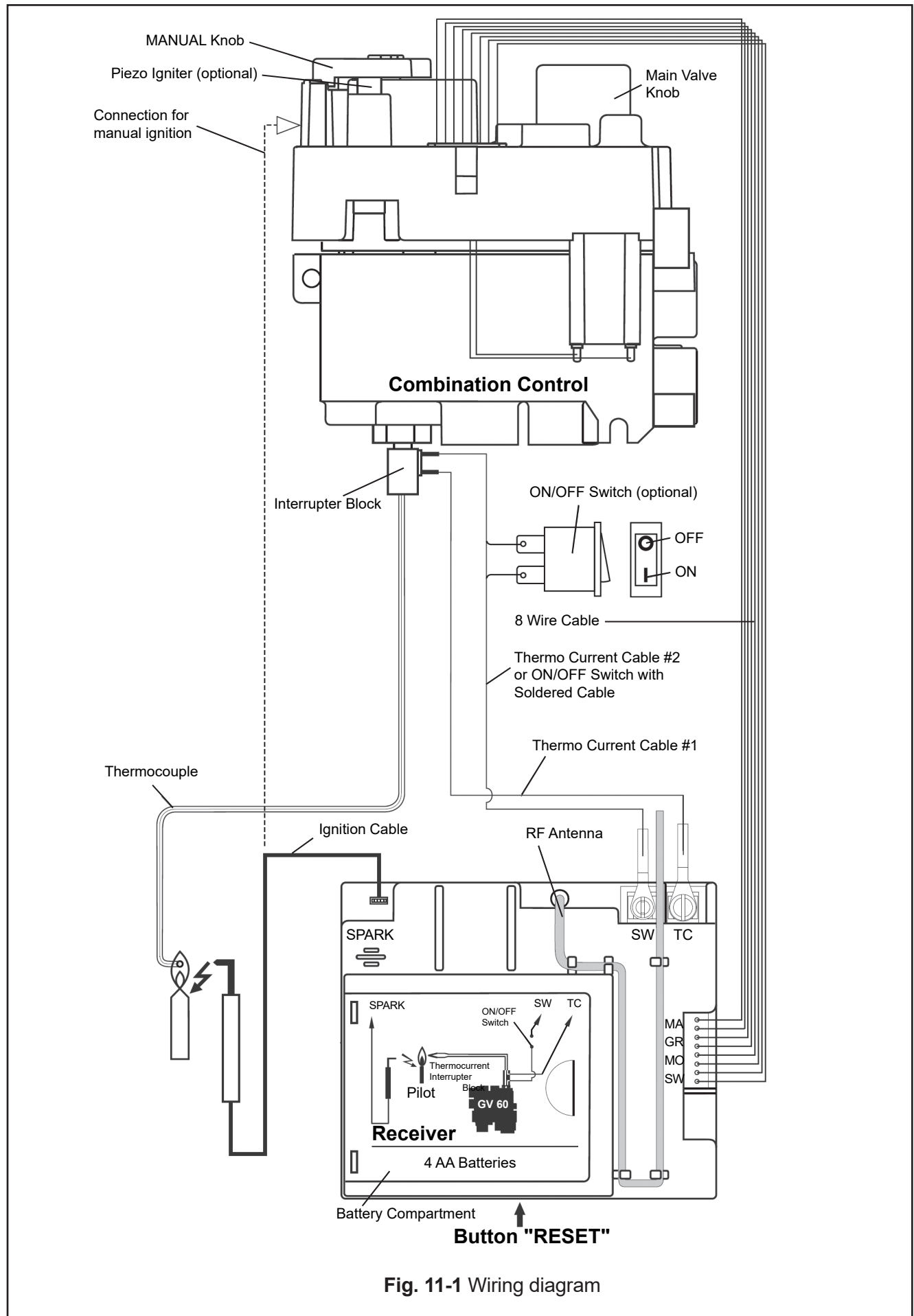


Fig. 11-1 Wiring diagram

Please use this page to record any information that you may want to have at hand.