PROFLAME G FIRE SYSTEM

USE AND INSTALLATION INSTRUCTIONS

Read the instructions before use. This control must be installed in accordance with the rules in force.

9.957.001 00

The 584 Proflame G Fire is a modular remote control system that directs the many functions of today's hearth appliances. It is configured to control the on/off operation of the main burner. The Proflame G Fire is specifically developed to be used with multifunctional gas controls.

TECHNICAL DATA

Remote Control	
Supply voltage	4.5 V (three 1.5 V AAA batteries)
Ambient temperature ratings	0 - 60 °C (32 - 140 °F)
Radio frequency	315 MHz

Receiver	
Supply voltage	6.0 V (four 1.5 V AA batteries)
Ambient temperature ratings	0 - 60 °C (32 - 140 °F)
Radio frequency	315 MHz

WARNING
THE TRANSMITTER AND THE RECEIVER ARE RADIO FREQUENCY APPLIANCES. IF THE RECEIVER IS MOUNTED INSIDE METALLIC CASES, SEVERE LOSS OF PERFORMANCES (REDUCTION OF THE RANGE OF WORKING) MAY RESULT.

ATTENTION!

- TURN "OFF" MAIN GAS SUPPLY OF THE APPLIANCE DURING INSTALLATION OR MAINTENANCE OF THE RECEIVER.
- PLACE THE RECEIVER'S 3 POSITION SLIDER SWITCH IN THE "OFF" POSITION DURING INSTALLATION OR MAINTENANCE.
- TURN "OFF" MAIN GAS SUPPLY OF THE APPLIANCE PRIOR TO REMOVING OR REINSERTING THE BATTERIES IN THE RECEIVER.

SYSTEM DESCRIPTION

The 584 PROFLAME G Fire System consists of two elements:

1. 584 PROFLAME G Fire Transmitter.
2. The 584 PROFLAME G Fire Receiver.

The 584 PROFLAME G Fire System complements any millivolt Combination Gas Control.

REMOTE CONTROL

The Proflame Transmitter uses the latest digital technology, see Fig. 1.
With the 584 PROFLAME G Fire Transmitter it is possible to turn the appliance on and off.

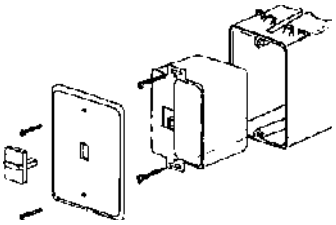
The 584 PROFLAME G Fire Transmitter is the Remote Control that commands the Receiver. All the commands are given with one button: see Fig. 1.
Moving the side slider in the direction of the transmission light it is also possible to disconnect the electric supply of the internal batteries (child safety feature).

Fig. 1: 584 PROFLAME G Fire Transmitter

RECEIVER

The 584 PROFLAME G Receiver may be installed in a standard single gang wall switch box or in a low temperature area of the hearth appliance. The receiver accepts commands from the transmitter to operate the functions included with a particular Proflame system configuration.
The receiver can be set to one of three positions: On (manual override), Command (remote control) or Off using the three position slider.
When the switch is in the MANUAL position, an electrical circuit is created bypassing the transmitter-controlled contacts, and the appliance burner is turned ON. When the switch is in the REMOTE position the appliance is being controlled by the remote control system. When the switch is in the OFF position the appliance burner is turned OFF.

Installing the wall cover plate



1. Install the receiver in the J box using the existing J box screws.
2. Place the slider into the cover plate with the white dot on the right side.
3. Put the receiver switch in the “OFF” position.
4. Make sure the receiver and cover plate words “ON” are on the same side.
5. Align the slider with the switch on the receiver and couple the switch into the slider.
6. Align the screw holes.
7. Using the two (2) screws provided secure the cover plate to the receiver.

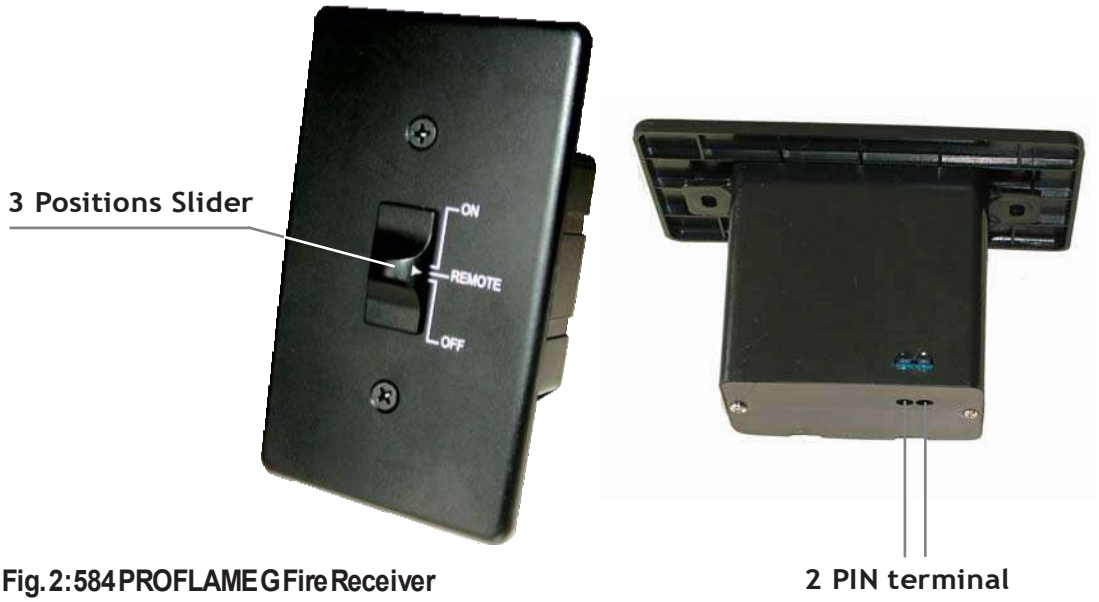


Fig. 2: 584 PROFLAME G Fire Receiver

Fig. 3: 584 PROFLAME G Fire Receiver batteries housing

INSTALLATION

The 584 PROFLAME G Fire System is designed to command any millivolt Combination Gas Control.

The wiring diagram of all the electrical connections is shown in Fig. 4.

Particularly shown are three main elements of the system.

The Receiver and 820 Nova mV Gas Valve can all be connected by single wire harness (not supplied).

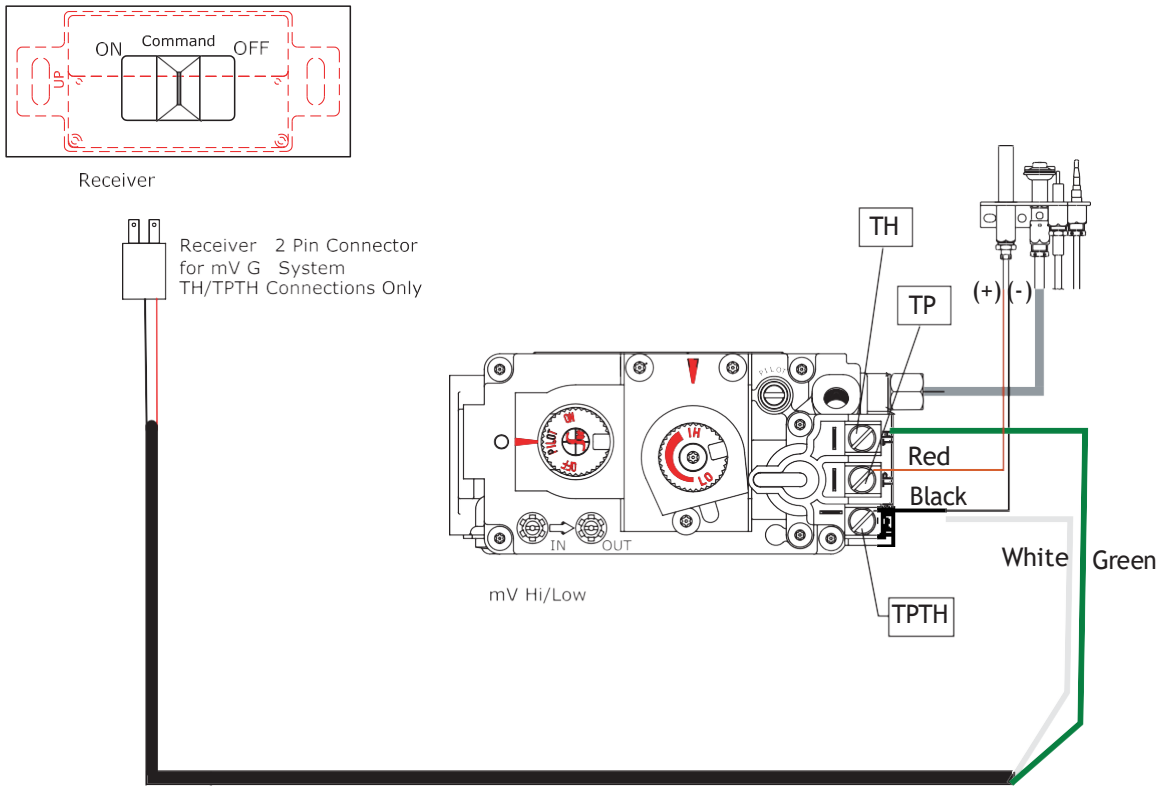


Fig. 4: Wiring diagram.

OPERATING PROCEDURE

FUNCTIONALITY OF THE RECEIVER

The Receiver is supplied by four (4) AA batteries, see Fig. 3. The receiver accepts commands via radio signal sent from the transmitter. The receiver sends commands by the wire harness to the multifunctional gas control. When the system is turned on, an acoustic signal (“beep”) is generated to indicate that the Receiver is ready to receive commands from the Remote Control.

FUNCTIONALITY OF THE REMOTE CONTROL

When the batteries are installed into the Remote control and the side slider is in the position shown in Fig. 5, the LED on the transmitter illuminates each time the ON/OFF button is depressed.

Fig. 5: 584 PROFLAME G Fire Transmitter

COMMUNICATION BETWEEN THE REMOTE CONTROL AND THE RECEIVER

To program the transmitter to the receiver, move the three positions slider of the receiver in the REMOTE position (see Fig. 2 in page 5) and depress the ON/OFF key of the transmitter. The System has got an automatic learning mode that allows the receiver to mate with a new transmitter in the event that the transmitter must be replaced. As soon as the receiver receives the first correct command from any remote control it captures the new address and then "beeps" 3 times to confirm the synchronization and command execution.

TURN ON THE APPLIANCE

When the ON/OFF key is pressed, the LED on the transmitter illuminates and the Remote Control is switched on. At the same time the Receiver connects the thermopile to the gas valve millivolt coil and the appliance main burner turns on in the high position. An single acoustic signal from the Receiver confirms the reception of the command.

TURN OFF THE APPLIANCE

If the appliance and the Remote Control are switched on, when the ON/OFF key is pressed, the Remote control is turned off. At the same time the Receiver removes power from the gas valve millivolt coil and the appliance main burner turns off. An double acoustic signal from the Receiver confirms the reception of the command.

LOW BATTERY DETECTION (Transmitter)

The duration of the Remote Control batteries depends on many factors: the quality of the batteries used, the number of ignitions of the appliance, etc.
When the transmitter batteries are low, depressing the ON/OFF key the light intensity of the LED (see Fig. 5) is weak to alert of a low battery condition before losing battery power at all. As soon as the depleted batteries are replaced, the Transmitter will restart its normal operation.

LOW BATTERY DETECTION (RECEIVER)

The duration of the Receiver batteries depends on many factors: the quality of the batteries used, the number of ignitions of the appliance, etc.

If the receiver batteries are low, a triple acoustic signal will be emitted by the receiver when it receives a command from the transmitter depressing the ON/OFF key. This is an alert of a low battery condition before losing battery power at all. As soon as the depleted batteries are replaced, the acoustic signal from the receiver confirms the reception of the ON/OFF command from the transmitter.

CHILD SAFETY LOCK-OUT

With this function it is possible to deactivate the remote control key, see Fig. 6.

Child safety function OFF

Child safety function ON

Fig. 6: 584 PROFLAME G Fire Transmitter child safety function

BACKUP FUNCTION

If the batteries of the Receiver are low, the appliance can be switched on manually by moving the 3 position slider switch on the Receiver to the ON position, see Fig. 3 in Page 5.

WARNINGS AND CAUTIONS

WARNING

Fire Hazard. Can cause severe injury or death

The Receiver causes the ignition of the fireplace. The fireplace can turn on suddenly. Keep away from the burner, especially when operating on the BACKUP switch.

⚠ **CAUTION**

Property Damage Hazard.

Excessive heat can cause property damage

The fireplace can stay ignited for many hours. Take care to turn off the fireplace if it is unattended by adult people.

Do not leave the Remote Control where children can reach it.

SITGroup