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# PROFLAME RECEIVER (S)

USE AND INSTALLATION INSTRUCTIONS



Read the instructions before use.

**IMPORTANT**

The Proflame Receiver is integrating part of the Proflame GTMFS System, which consists of three elements:

- Proflame Transmitter
- Proflame Receiver
- Proflame Fan Control Module (FCM)

The Proflame Receiver is designed and realized to be used exclusively with the Proflame Transmitter.

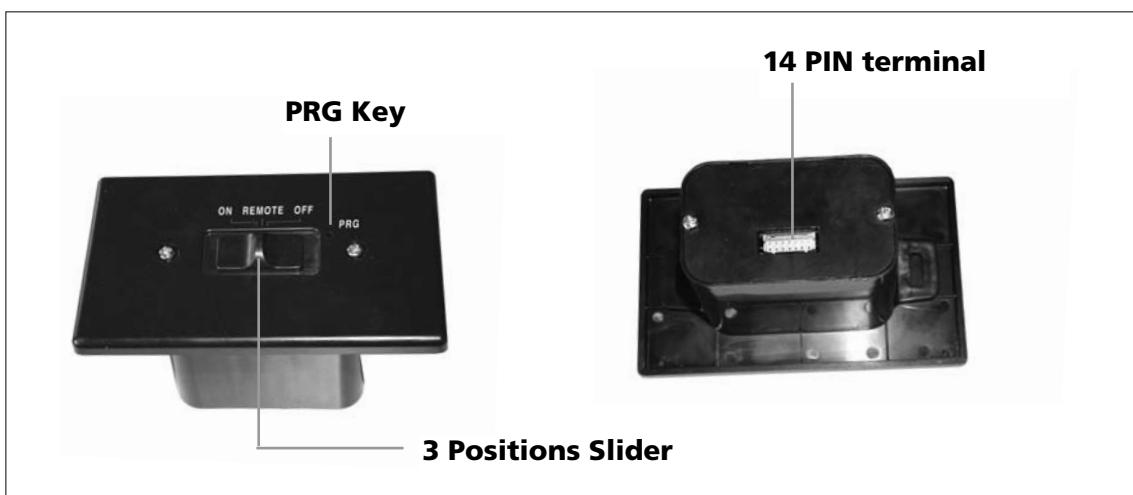
Please use this Installation Manual in conjunction with the Proflame GTMFS System manual, for complete installation instructions.

The Proflame Receiver is a device that allows, when used with the Proflame Transmitter, the Proflame Fan Control Module and in conjunction with the Combination Gas Control and the Split Flow burner controller, to command the functions of a hearth appliance and is configured to control the on/off primary burner operation, its flame levels and provides on/off and Smart thermostatic control of the hearth appliance.

The secondary burner is controlled by the Split Flow and can be open or closed via the remote transmitter.

The system controls a remotely actuated 120V/60Hz power outlet, fan speed through six (6) levels and has a constantly powered 120V/60Hz power outlet.

The Proflame Receiver (Fig. 1) connects directly to the gas valve, stepper motor, Split Flow burner controller and the Fan Control Module with a wiring harness. The Receiver is powered by 4 AA type batteries. The Receiver accepts commands via radio frequency from the Transmitter to operate the appliance in accordance with with the particular Proflame system configuration. The Receiver three position slider switch can be set to one of three positions: ON (Manual Override), Remote (Remote control) or Off.



**Fig. 1:** Proflame Receiver body.

## TECHNICAL DATA

### 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

## FUNCTIONS

### Preliminary check of the Receiver

Operations to be done, before switching on the Remote Control:

- Check that the electrical connections are in accordance with Fig. 2.

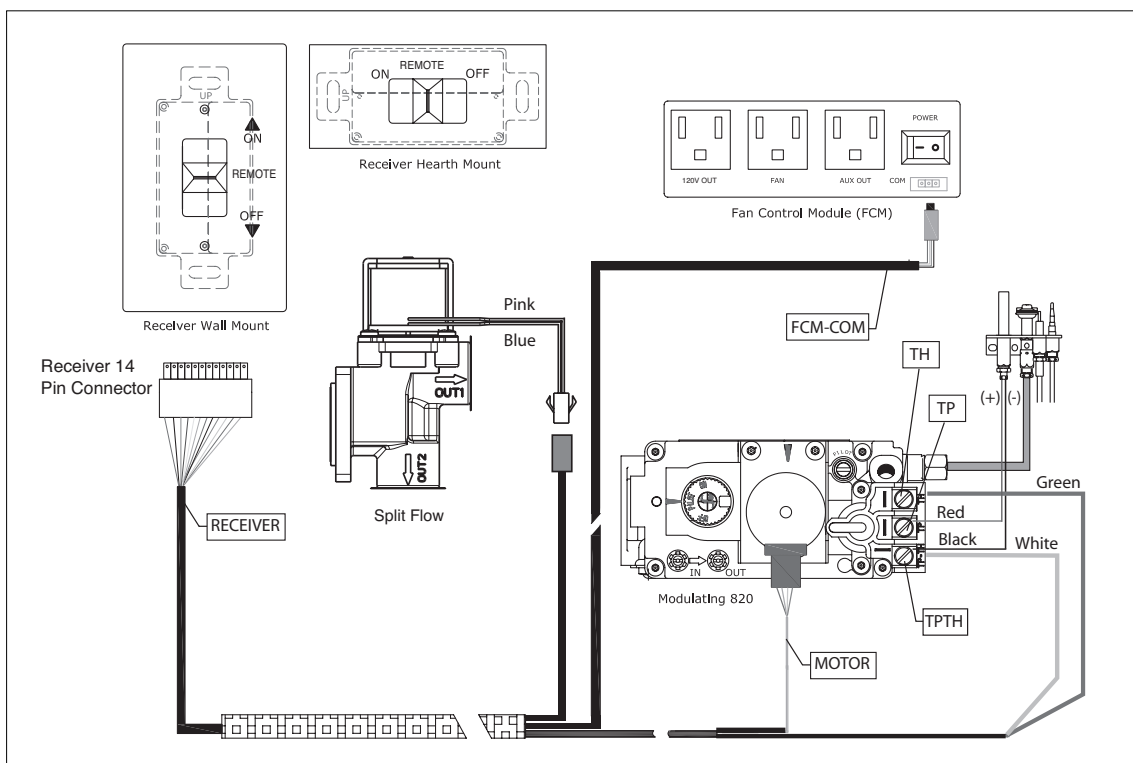


Fig. 2: Wiring diagram.

### Initializing the System for the first time

Install the 4 AA batteries into the receiver battery bay. Note the polarity of the battery and insert into the battery bay as indicated on the Battery cover (+/-). Place the 3 position slider switch in the "Remote" position. (Fig. 1) Using the end of a paper clip, or other similar object, insert the end of the paper clip into the hole marked "PRG" on the Receiver front cover (fig 1). The Receiver will "beep" three (3) times to indicate that it is ready to synchronize with a Transmitter. Install the 3 AAA type batteries in the Transmitter battery bay, located on the base of the Transmitter. With the batteries already installed in the Transmitter, push the On button. The Receiver will "beep" four times to indicate the Transmitter's command is accepted and sets to the particular code of that Transmitter. The system is now initialized.

## LOW BATTERY POWER DETECTION

The life span of the Receiver batteries depends on various factors: quality of the batteries used, the number of ignitions of the appliance, the number of changes to the room thermostat set point, etc.

When the Receiver batteries are low, No "beep" will be emitted from the Receiver when it receives an On/Off command from the Transmitter. This is an alert for a low battery condition for the Receiver. When the batteries are replaced the "beep" will be emitted from the Receiver when the ON/OFF Key is pressed (See Initialization of The System).

When the Receiver is connected to the FCM two "beeps" will be emitted from the receiver if the batteries are low.

### WARNING

#### **Fire Hazard. Can cause severe injury or death**

The Receiver causes ignition of the appliance. The appliance can turn on suddenly. Keep away from the appliance burner when operating the remote system or activating manual bypass of the remote system.



### 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.

Always place the Transmitter where children can not reach it.