

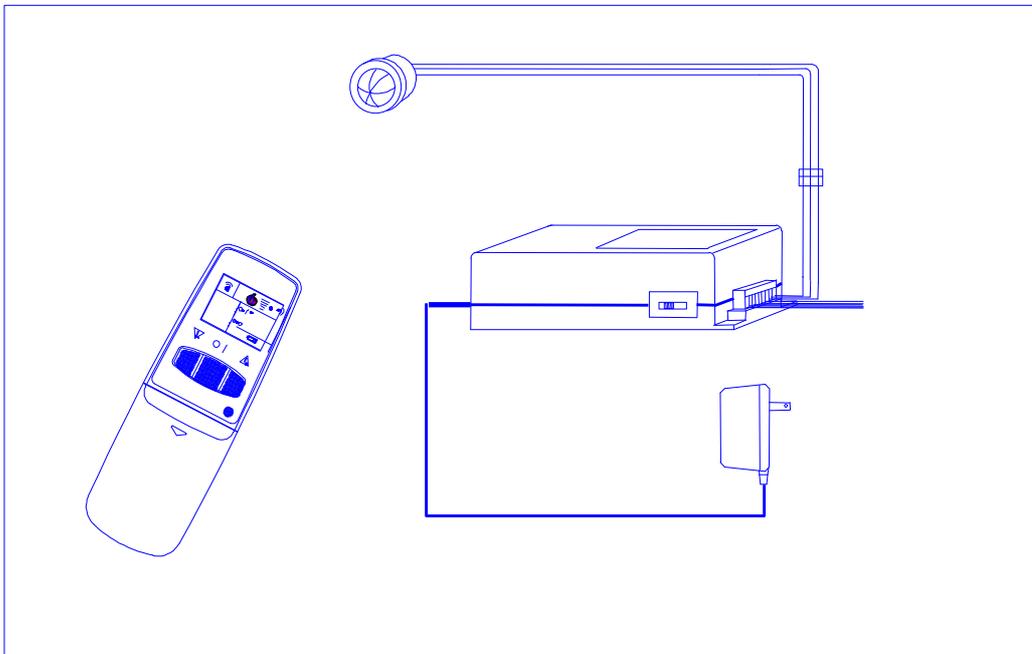
Masport®

IRRC-400 TEMPERATURE REMOTE CONTROL WITH FLAME HI/LO MODULATION

OPERATING INSTRUCTIONS

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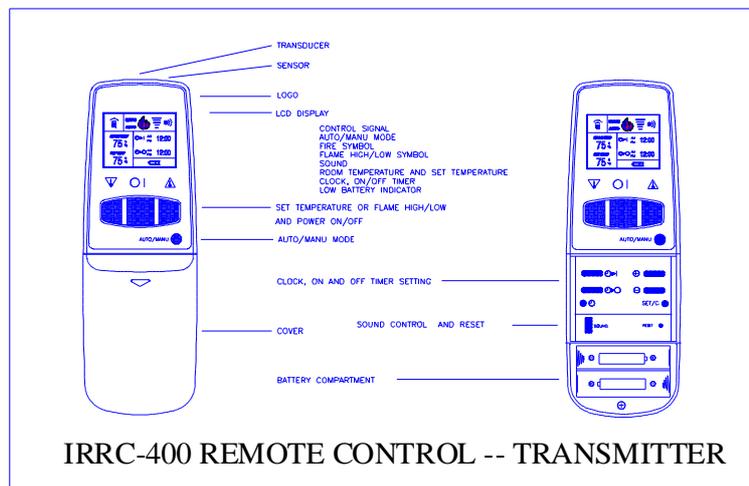


PRECAUTIONS

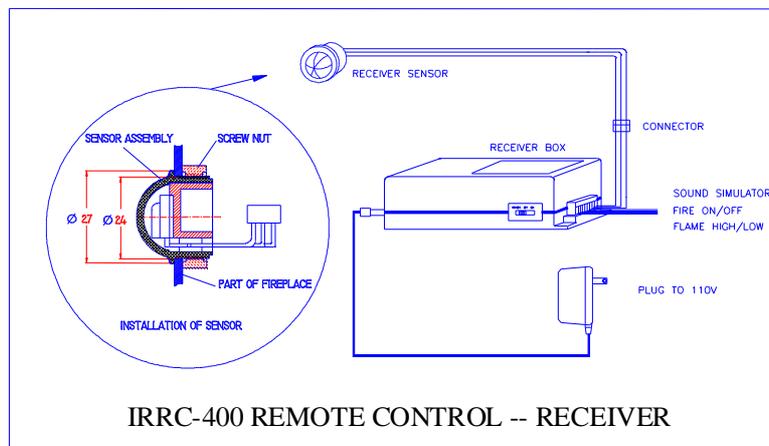
- Do not expose transmitter directly to intense light, such as direct sunlight, it may affect the remote functions.
- Do not put transmitter close to hot and/or damp place, it may fade the surface of transmitter or damage the transmitter.
- Do not drop or shake the transmitter, it may damage the transmitter.
- **When installing or servicing your fireplace or log set, when you are absent from your premises (i.e. on vacation, etc.) or as a child-safety feature, turn the three position switch on the receiver to the OFF position. This will ensure that the unit and the fireplace are inoperable in your absence.**
- When transmitter is on, directing it at the receiver will give the best operation.

COMPONENTS

TRANSMITTER



RECEIVER



INSTALLATION

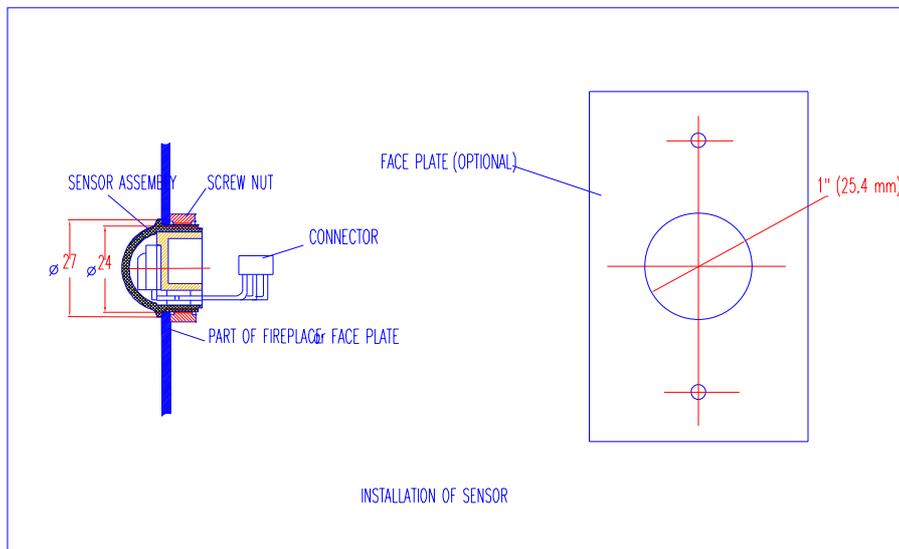
• RECEIVER

IRRC-400 receiver consists of the control box and a sensor assembly. It has a three-position (REMOTE, OFF and ON) switch, three sensor input wires and six output control wires: the two red wires control ON/OFF of the gas valve; the two green wires control flame high/low flame level of the gas valve, the blue and black wires control Fire Crackler Sound System CF5 (optional). The receiver is powered by the wall mount AC Adapter

RECEIVER SENSOR

In order for the remote control to function properly, the receiver eye/sensor has to be installed within line of sight of the transmitter.

1. Drill a 1" (25.4mm) hole in the front of fireplace or use a face plate.
2. Put SENSOR ASSEMBLY through the hole. Tighten the screwnut.
3. Connect the connector to receiver control box.



WIRING

1. The two RED output wires should be connected to the ON/OFF terminals: TH & TH/TP of the gas valve.
2. The two GREEN output wires should be connected to the flame hi/low modulating coil of the gas valve.
3. The BLUE and BLACK output wires should be connected to the Fire Crackler (optional).
4. Connect the receiver to the AC adapter and plug the adapter into a polarized 220 volt AC outlet.
5. Turn the three-position switch to REMOTE position when using remote, otherwise turn it to the OFF position. The fireplace can still be turned ON in case of power failure, by turning this switch to the ON position.

WARNING: Make sure that all the output wires are connected properly before powering the receiver.

• FIRE CRACKLER SOUND SYSTEM - CF5 (optional)

The Firecrackler Sound System has been designed to simulate the sound of a real wood fire. Place your Firecrackler behind cover or a filigree of fireplace or place the Firecrackler on the hearth of gas log.

• BATTERY

The transmitter is battery operated.

1. Open the cover in ▼ (shown on the cover) direction.
2. Place two 1.5 volt AAA batteries in battery compartment. Be sure of the polarity.
3. Press the RESET button. Put the cover back.

Notes:

1. For best operation, please use alkaline battery.
2. When changing batteries, be sure that both are of the same type.
3. **When the battery indicator is flashing, it indicates that the battery is low.**

CLOCK SETTING

1. Press CLOCK SET () button, “AM,” or “PM” will start flashing.
2. Press UP/DOWN (, ) button, to set the right time. The time change will be faster, if these buttons are held down.
3. Press () button again to confirm. Sign (:) flashing means clock working.

Note: When ON/OFF timer is on display, clock cannot be set.

ON/OFF TIMER SETTING

- **ON TIMER SETTING**

1. Press ON TIMER ( ) button, on timer symbol will flash.
2. Press UP/DOWN (, ) button, setting right time (10 minute intervals). The time change will be faster, if these buttons are held down.
3. Press (SET/C) button, to confirm setting.
4. LCD display will show ON timer. The main burner will automatically turn on at the “ON time” set.
5. Press (SET/C) button again, setting will be cancelled.

- **OFF TIMER SETTING**

1. Press OFF TIMER (  ) button, off timer symbol will flash.
2. Press UP/DOWN (, ) button, setting right timer (10 minute intervals). The time change will be faster, if these buttons are held down.
3. Press (SET/C) button to confirm setting.
4. LCD display will show OFF timer. The main burner will automatically turn off at the “OFF time” set.
5. Press (SET/C) button again, setting will be cancelled.

Note:

When ON/OFF timer is set, OFF operation does not affect the ON/OFF timer setting.

BASIC ON/OFF OPERATION

- **ON OPERATION**

Directing transmitter to receiver sensor, press (O I), LCD will display fire symbol. The receiver will respond with a beep and turn on the fire.

- **OFF OPERATION**

Directing transmitter to receiver sensor, Press (O I), the fire will be off. The fire symbol on LCD will turn blank. The receiver will respond with a beep and turn off the fire.

Notes:

1. When ON/OFF timer is set, OFF operation does not affect the ON/OFF timer setting.
2. All other functions are controlled by fire on/off. When fire is on, other functions (flame modulation and sound) can be controlled.

FLAME LEVEL CONTROL

1. Directing transmitter to receiver sensor, press (O I), LCD will display fire symbol . The receiver will respond with a beep. The fireplace should be on.
2. Check LCD display if remote is in MANU (manual) mode. If it is in AUTO mode, press AUTO/MANU set button once, the remote to change to MANU mode.
3. Press UP/DOWN () button, change the flame high or low to the level you want. The LCD display will show flame level by the horizontal lines. You can hold down UP/DOWN button to make this change faster. There are six different flame levels.

TEMPERATURE CONTROL

1. Directing transmitter to receiver sensor, press (O I), LCD will display fire symbol . The receiver will respnd with a beep. The fireplace should be on.
2. Check LCD display if remote is in AUTO (automatic) mode. If it is in MANU mode, press AUTO/MANU set button once, to change to AUTO mode.
3. Press UP/DOWN () button, set the temperature. The LCD will show the set temperature. You can hold down UP/DOWN button to make this change faster. Setting temperature range: 60 °F (16 °C) to 95 °F (35 °C)

**The room temperature is controlled automatically, based on the set temperature and the actual room temperature, by modulating the flame height with temperature change.
For best operation, please direct transmitter to receiver sensor.**

AUTO SHUT-OFF FEATURE:

If the the transmitter is not directed at the receiver for more than 10 minutes, the fire will be automatically shut off. The receiver will then beep every 2 minutes, until it receives a signal from the transmitter.

COMBINATION OPERATIONS

Remote On/Off, ON timer and OFF timer can be combined to get different combination operations:

1. <On - OFF timer > combination:
when the fire is on, you can program a time to turn the fire off.
2. <Off - ON timer > combination:
when the fire is off, you can program a time to turn the fire on.
3. < On - OFF timer - ON timer > combination:
when the fire is on, you can program a time to turn the fire off and another time to turn on.
4. < Off - ON timer - OFF timer > combination:
when the fire is off, you can program a time to turn the fire on and another time to turn off.

Note: Press the SET/C button, to cancel timer settings.

TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE/REASON	SOLUTION
Remote control does not work at all.	Weak batteries in the transmitter and/or receiver not connected to the AC Adapter/ or adapter not connected to 220 VAC. Receiver eye is not installed within line of sight of transmitter	Check for low battery indication on the transmitter & replace with two new 1.5 volt AAA alkaline batteries. Check power plug in receiver box. Re-install receiver eye
Remote does not turn Fire On/Off	Wiring of the receiver unit to the gas valve, may be incorrect. Transmitter is not pointing at the receiver. This is indicated by the receiver beeping every 2 minutes	The red & white wires should be connected to the MILLIVOLT terminals of the gas valve or in series with the power supply in a 24 volt system. Place the transmitter flat pointing at the receiver eye.
Remote does not raise or lower the flame height	Receiver is not connected to the flame hi/low modulating coil of the gas valve	Connect the receiver to the coil.
Remote control works at only a short distance from fireplace.	Weak batteries in transmitter Receiver eye is not installed within line of sight of transmitter	Check and replace batteries. Re-install receiver eye

WARRANTY

This product is warranted for a period of 12 months after the date of purchase or installation to the original purchaser against defective material and workmanship. The manufacturer's sole liability under this warranty is limited to repair or replacement of the product. The warranty is void if the control fails to operate as a result of damage caused by abuse, misuse, and inadequate or improper installation. The manufacturer or seller is not responsible for any expense, liability, damage, inconvenience or consequential damage caused by the use or misuse of the product. The purchaser assumes all liability and holds harmless the manufacturer and its seller, in respect of all losses.