



Rasmussen
THE GAS LOG COMPANY

RPK-1/RPK-1-F10

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RPK1-499

LISTED BY

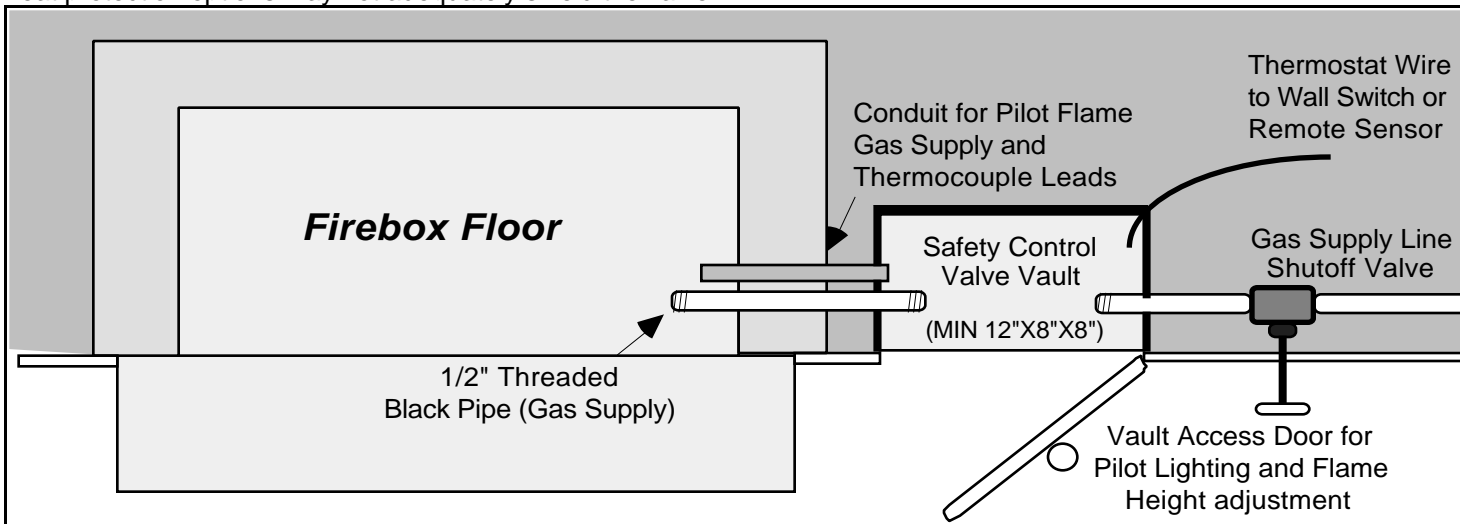


LISTING NO. 1180

Assembly, Installation, and Operation Instructions for RPK1-F (Wall Switch) or RPK1-F10 (Hand held remote) for use with F, FX, CS (Natural Gas) or FA, FA-X, CA (Propane Gas) Burners

ATTENTION! READ INSTRUCTIONS CAREFULLY BEFORE ASSEMBLY.

- **STEP ONE: Required Tools and Materials.** Adjustable Wrench, Pipe Wrench, Screw Driver, Pipe sealing compound, Matches.
- **STEP TWO: Suggested Firebox Layout and Required Parts.** Pilot Control Valves are adversely effected by heat. The best protection is afforded by placing the safety control valve assembly outside the firebox. Other heat protection options may not adequately shield the valve.



SUGGESTED FIREBOX LAYOUT (as viewed from above)

NOTE: If it is not possible to enclose the control valve inside a separate vault and instead it is placed inside the firebox, the valve must be shielded from heat and fire. Heat shields can be constructed of brick and/or metal with fiberglass insulation material. The design of the shield should prevent direct heat radiation to the control valve.

PARTS LIST:

- | | |
|---|--|
| (1) Angle Bracket 10-32 x 3/8" | (7) Thermopile Leads |
| (2) 10-32 nut | (8) A5- 3/8T x 1/2 MIP - 3/8 FIP fitting (2) |
| (3) Bolt (2) | (9) ITT B67 Safety Control Valve |
| (4) A3 - 3/8T x 1/2 FIP fitting ("F" burner) or MA2 - air mixer, orifice and orifice holder ("FA" burner) | (10) Wall Switch or Remote Sensor |
| (5) JPG9 Pilot/Thermocouple assembly | (11) Wire (20' supplied) |
| (6) Pilot tubing | (12) 12" Aluminum Connector (longer as needed) |
| | (13) 18" Aluminum Connector (longer as needed- supplied with burner pan) |

CAUTION!

If Suggested Firebox Layout Is Not Utilized, A Heat Shield Must Be Installed To Prevent Premature Valve Failure And/Or Voiding Of Valve Manufacturer's Warranty

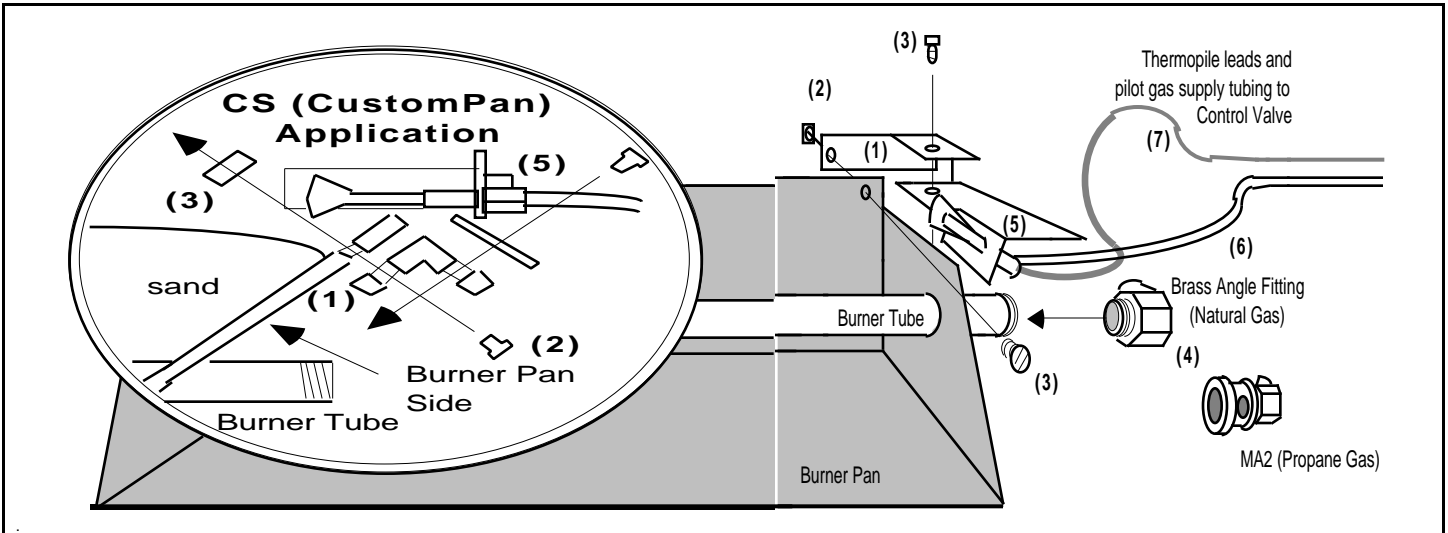
CAUTION: The safety control valve must be protected to a maximum ambient air temperature of 175° F. The first indication of excessive heat to the control valve is melted plastic on the valve body.

CAUTION: This is a millivolt system. **DO NOT** connect to 115 V line.

Safety controls damaged by heat or 115 volt electricity are not covered by warranty.

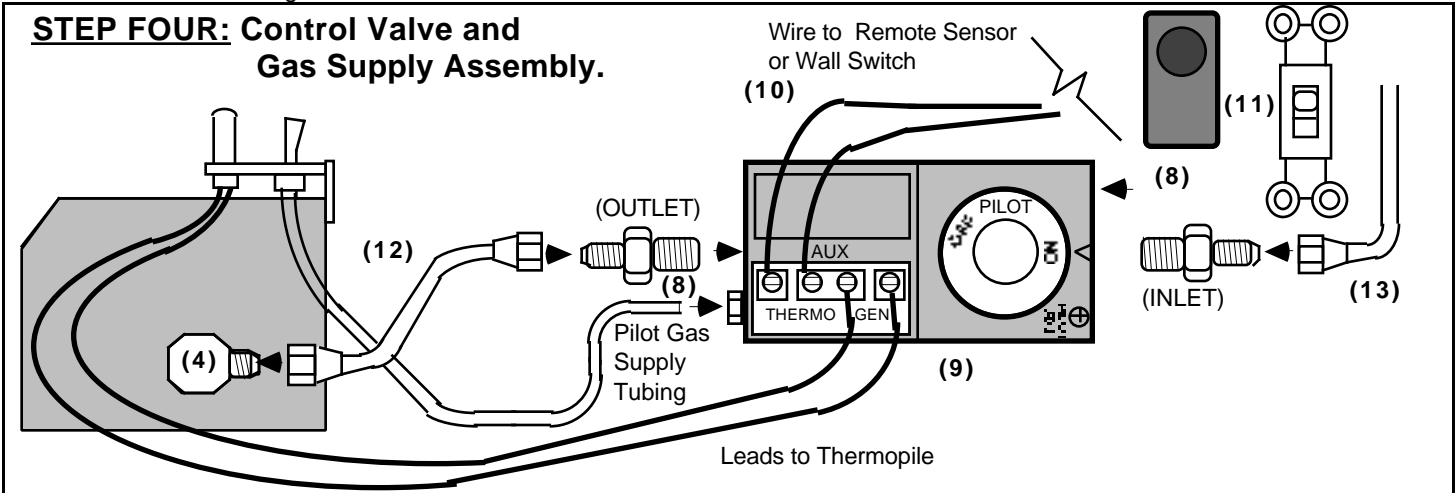
F, FX & CS burners use Natural Gas. Fill Burner Pan with the white sand provided with burner. FA, FA-X & CA burners use LP Gas. Fill Burner Pan with black volcanic ash provided with burner.

- STEP THREE: PAN ASSEMBLY.



1. Attach **Angle Bracket (1)** to burner pan with **Nut (2)** and **Bolt (3)**.
2. Apply pipe compound to non-flared threads of **Brass Angle Fitting (Natural Gas)** or **MA2 (Propane Gas) (4)**. Insert and wrench tighten into burner tube.
3. Attach **Pilot/Thermopile Assembly (5)** to **Angle Bracket (1)** with **Bolt (3)**.
4. Route **Pilot Tubing (6)** and **Thermopile Leads (7)** to Control Valve location.

STEP FOUR: Control Valve and Gas Supply Assembly.



1. Apply pipe compound to the large (3/8") threads of the **A5-3/8T x 1/2 MIP - 3/8 FIP fittings (8)** and wrench tighten into **Control Valve (9)**.
2. Insert and tighten **Pilot gas supply tube** into **Control Valve (9)** and wrench tighten.
3. Attach and tighten **Thermopile leads** to the "GEN" terminals of **Control Valve (9)**.
4. Attach and tighten **Wire (10)** from either the **Remote Sensor** or **Wall Switch (11)** to the "THERMO" terminals of the **Control Valve (9)**.
5. Without applying pipe compound, thread one end of the **Aluminum Connector (12)** to the flared end of the **Brass Angle Fitting or MA2 (4)**. Without pipe compound, thread other end of **Connector (12)** to the flared end of the outlet **1/2 MIP - 3/8 FIP fitting (8)**.
6. Without applying pipe compound, thread one end of the **Aluminum Connector (13)** to the flared end of the inlet **1/2 MIP - 3/8 FIP fitting (8)**. Attach other end to gas supply in accordance with instructions provided with burner.
7. All piping and tube joints must be tested for leakage.

STEP FIVE: LIGHTING and Operation.

1. Refer to burner instructions regarding burner pan medium installation.
2. Slightly push Control Valve knob and turn to "OFF". Wait five minutes before lighting.
3. Slightly push knob and turn to "PILOT". Depress knob and light pilot. Continue to depress until pilot remains lit when knob is released. Turn knob to "on". Pilot should remain lit.
- 4a.(SWITCH) Close switch ("ON"). Adjust to desired flame height with blue valve knob.
- 4b.(REMOTE) Slide receiver switch to "remote". Aim remote transmitter toward the log set and press white button on transmitter for two to five seconds (red light on transmitter should be lit).
5. Repeat steps 2. Through 5 above if the appliance fails to light or if pilot goes out.
6. For complete shutdown, slightly push knob and turn to "off".

CAUTION! DAMPER AND GLASS DOORS MUST BE FULLY OPEN BEFORE LIGHTING OR BURNING FOR PROPER VENTILATION AND TO PREVENT HEAT DAMAGE TO VALVE