


OPERATION AND SAFETY

 **WARNING:** To avoid possible injury, fire and explosion, please read and follow these precautions and all instructions on the appliance. These instructions are intended as a guide to qualified servicemen installing or servicing ROBERTSHAW controls. Repair, adjustments and servicing should be limited to the operations listed in this guide or on the appliance. Controls are to be installed by licensed gas fitters/technicians only.

Installation Instructions

1. Follow shutdown and lighting instructions on appliance.
2. Shut off gas supply up-stream of control at line valve or L.P. tank before installation or servicing.
3. To install or remove control, use special body wrench or thread correctly sized pipe into inlet and use it to turn control. **DO NOT OVER TIGHTEN.** Do not use pipe wrench or vice to grip body. Damage may result, causing leaks.
4. Insert only correct size pipe or tubing into inlet or outlet of control. Insertion of any other object can cause internal damage.
5. Use only new controls as replacements. Do not reuse second hand controls.
6. Make sure gas piping is pressure tested before control is connected. High pressure can damage controls causing a hazardous condition. **DO NOT** subject control to more than 7kPa inlet pressure.
7. Make sure piping is clean and free from scales and burrs. Apply a small amount of good quality pipe thread compound to the gas inlet of the control. **DO NOT OVERTIGHTEN.** Use only AGA approved Teflon tape or Teflon pipe compound on gas inlet connection. Teflon tape and compounds should be used sparingly on male threads only, leaving the first two threads clean. Teflon tape or thread compound should never be used on female threads as it may be pushed into the control body, possibly causing the valve to stick or fail to close.
8. The thermocouple nut should be started and turned all the way in by hand. An additional quarter turn with a wrench will then be sufficient to seat the lock washer. **CAUTION:** Over tightening may damage thermocouple or magnet.
9. Do not tamper with the energy cut-off wiring or connections.
10. Make sure water heater is full of water before lighting pilot.
11. Make sure that no raw gas is present in the surrounding area before putting appliance into operation. **READ WARNING!**
12. Operate reset button, manual valve and temperature dial by hand only. If more force is required, replace control. Do not use pliers, wrenches or other tools to operate control.
13. Leak test after installation or servicing with main burner “OFF” and “ON”. Coat pipes and tubing joints, gaskets, etc. with a soap solution. Bubbles indicate leaks that must be corrected. **DO NOT TEST WITH FLAME.**
14. The manual valve must be in either the “OFF”, “PILOT” or full “ON” position. Do not use it to adjust the gas flow. An incorrect burner flame can result.
15. Keep combustible material away from gas appliance. Keep burner area clean and free of dust and lint.
16. If control has been exposed to water in any way, it must be replaced.
17. If control fails to turn off, shut off gas ahead of controls at line valve or tank. Replace control.

 **Warning: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.**