

Installing the Main Remote Control

⚠ WARNING: Field wiring connections and electrical grounding must comply with local codes, or in the absence of local codes, with the latest edition of the National Electrical Code, ANSI/NFPA 70, or in Canada, Canadian Electrical Code, CSA C22.1 Part 1.

NOTICE: Thermostat wire can be any Type-T 18 AWG wire and need not be polarity sensitive.

Do Not apply sealant to the remote control cable.

It is not recommended to have wiring exposed.

Thermostat wire should not be twisted pair or telephone network cable

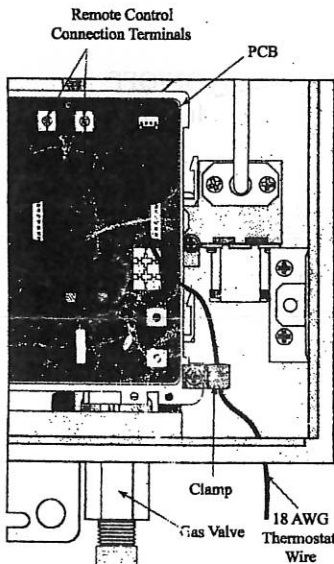


Figure 1

Remote Control Installation

Connecting the MAIN (UMC-117) remote control to the water heater:

- Drill a 1" (2.5 cm) to 1.5" (4 cm) hole at the proposed control location, if necessary.
- Install the thermostat wire between the location of the remote control and the water heater.
- Remove the base plate from the control.
- Draw the thermostat wire through the central in the base plate.
- Fix the base plate to the wall using suitable screws and wall anchors. Ensure the projections on the base plate are pointing upwards.
- Connect the thermostat wire to the terminals on the back of the thermostat control.
- Place the remote control over the base plate. Ensure the projections in the base plate fit into the housings in the remote control.
- Fix the control to the base plate at the bottom of the remote control using the screw provided.
- Proceed to "Connecting the remote control to the water heater", to complete installation.

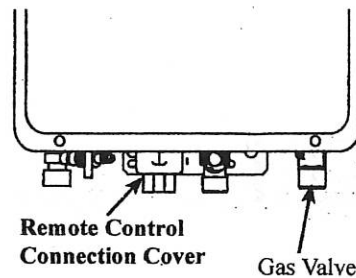


Figure 2

Connecting the remote control to the water heater:

- Ensure that the power to the water heater has been disconnected.

If the Remote Control Connection Cover exists then:

- Find the remote control connection cover made of white plastic (see Figure 2) and loosen the 3 screws located on it.
- Connect the thermostat wire from the remote control with the remote control connection terminals (see Figure 3).
- Firmly tighten the terminal screws.
- Secure the thermostat wire on the hook located on the side of the remote control connection base.
- Tighten the 3 screws and attach the remote control connection cover to the water heater.

Else, if the Remote Control Connection Cover does not exist, do the following:

- Remove the front cover of the water heater.
- Insert the thermostat wire through the hole at the bottom right hand corner of the water heater.
- Connect the wires to the terminals on the top right hand side of the Printed Circuit Board (PCB) as shown in Figure 1.
- Firmly tighten the terminal screws.
- Secure the thermostat wire using the appropriate clamp.
- Replace the front cover of the water heater.

NOTICE: The remote control wire connection terminals are not polarity sensitive.

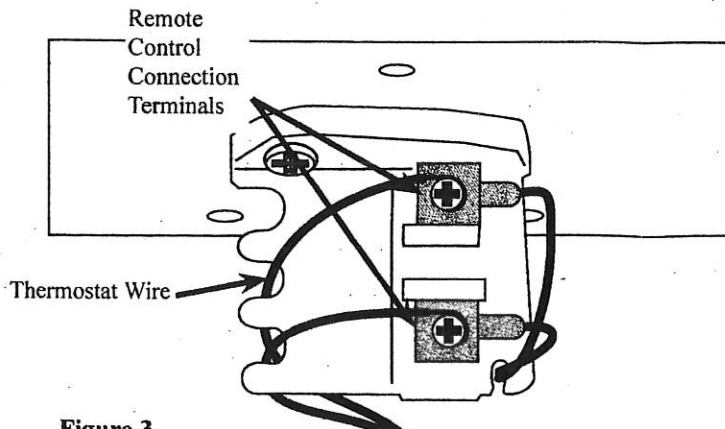
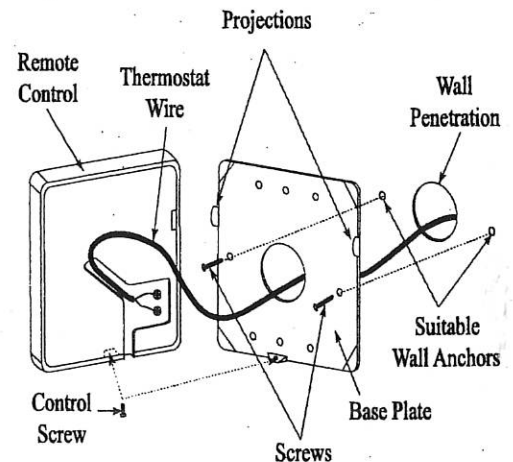


Figure 3



Remote Control Priority

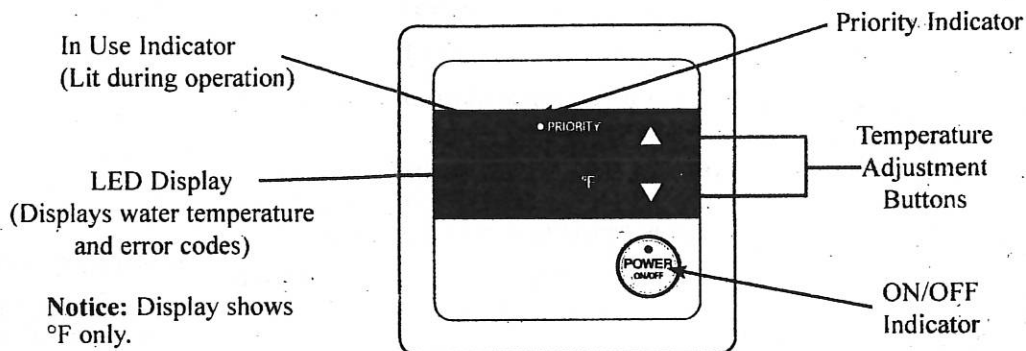
NOTICE: If the BATH control is turned on, the temperature setting on the MAIN control cannot be changed. The BATH control(s) will always have **PRIORITY** over the MAIN control.

If both BATH1 and BATH2 (USC1-117 and USC2-117) remote controls are installed:

- ✦ Turning ON one BATH remote control will activate the other BATH remote control automatically.
- ✦ Turning OFF one BATH remote control will turn OFF the other BATH remote control automatically.

Changing the temperature set point on either BATH remote control will change the temperature set point on all remote controls.

If either BATH remote control is turned OFF, the MAIN remote control will remain at the last temperature set point set by the BATH remote control.



Notice: Display shows °F only.

▲ Higher (Hotter) ▼ Lower (Cooler)

85	100	102	104	106	108	110	112	114	116	118	120	125*	130*	135*	140*	150*	160*	170*	180* (185)	°F
29	38	39	40	41	42	43	44	46	47	48	49	52*	54*	57*	60*	66*	71*	77*	82* (85)	°C

* These temperatures are only available while using a properly installed MAIN (UMC-117) Remote Control.

IF YOU NEED SERVICE



Refer to the Use and Care manual that came with the water heater for the Operation Procedures of this remote control.