

Command Center

IMPORTANT NOTE:

Proper Installation of the Command Center® is essential to assure trouble free operation. INSTRUCTIONS MUST BE FOLLOWED EXACTLY.

NOTICE: THIS CONTROL IS INTENDED FOR USE IN CONJUNCTION WITH EQUIPMENT MANUFACTURED TO UL STANDARD 1563 AND /OR CSA STANDARD C22.2 NO 218.1-M89 REQUIREMENTS. ALL WIRING MUST BE INSTALLED BY A LICENSED ELECTRICAL CONTRACTOR AND MUST CONFORM TO THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES.

CAUTION: THE COMMAND CENTER® IS A FACTORY SEALED UNIT AND HAS NO USER SERVICEABLE COMPONENTS. DO NOT ATTEMPT TO OPEN THE COMMAND CENTER; SERVICE MUST BE PERFORMED BY TECMARK® FACTORY PERSONNEL. ALTERATIONS TO THIS CONTROL OR FAILURE TO ADHERE TO THIS MANUFACTURER'S PROCEDURES FOR INSTALLATION COULD RESULT IN DAMAGE TO THE CONTROL OR UNSATISFACTORY PERFORMANCE, VOIDING THIS MANUFACTURER'S WARRANTY.

INSTALLATION

The Command Center® may be installed in any position and in most locations, except **DO NOT MOUNT UNDER WATER**. When selecting a location to mount the Command Center®, consideration to its placement must be given based on the length limitations of the temperature sensing cable and cordset.

IMPORTANT NOTE: To assure proper operation, the temperature sensing bulb must be installed correctly. **ALWAYS USE A THERMOWELL** to house the sensing bulb at the final point of installation. Failure to install the sensing bulb correctly could result in damage to the control or poor control response.

A) LOCATE COMMAND CENTER®

First consideration must be given to where the Command Center® is to be mounted. The maximum distance between the Command Center® and the thermowell is the total overall length of the sensing bulb and cable. We recommend that you allow at least 2" of play for easy access during installation and removal of the bulb from the thermowell.

B) MOUNTING

A peel and stick template is included.

- 1) Attach the template to the desired mounting surface and follow the instructions provided on the template for size and location of the cutout. After the cutout is complete, clean the mounting surface thoroughly with alcohol and let dry.
- 2) Remove the green liner from the gasket on the Command Center®, route the cordset and sensing bulb through the cutout, and install the control by pressing firmly around the perimeter.
- 3) Optional mounting screws are available to secure the Command Center® if necessary.

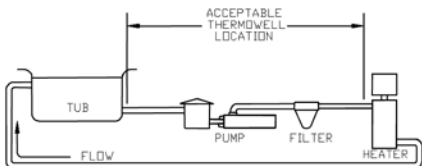


Figure A

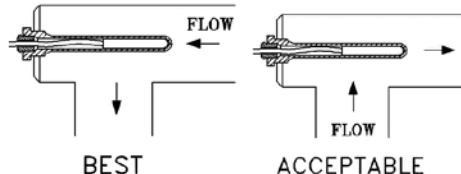


Figure B

C) THERMOWELL INSTALLATION

Location of the thermostat sensing bulb is critical. If the thermowell is installed in the plumbing of the circulation system, then it must be between the spa and the inlet to the spa heater. (see Fig. A)

As stated previously, **ALWAYS USE A THERMOWELL** to house the sensing bulb of the thermostat at the final point of installation. Location of the thermostat sensing bulb is critical to control performance. For the best thermowell installation, see Fig. B. below.

Tecmark® optional thermowells can be installed via 1/2-14 NPT threads. Proper spa temperature maintenance can be achieved only if the following points are considered:

- 1) Thermowell is positioned before the heater to monitor only the spa water temperature. (See Fig. A)
- 2) Sensing bulb and cable are not exposed to damage or extreme temperature. (See Fig*B)
- 3) Proper water flow around the entire thermowell is insured.
- 4) Bulb is inserted all the way into the thermowell. (see Fig. C)

D) THERMOSTAT SENSING BULB INSTALLATION

Insert the temperature sensing bulb all the way into the thermowell. Tecmark® optional thermowells are supplied with a split grommet. Pull the grommet open, slide it over the sensing cable and press the small end of the grommet into the thermowell. (See Fig. C)

WARNING

TEMPERATURE SENSING CABLE MUST BE INSTALLED SO THAT IT IS NOT EXPOSED TO ACCIDENTAL CUTS, DAMAGE, OR EXCESSIVE HEAT (80°C OR 176°F) OR HIGHER.

E) CONNECT CORDSET AND AIR HOSES

Plug the molded male plug of the Command Center® into the female receptacle on the equipment pack cabinet. **POWER SUPPLY MUST MATCH THE ELECTRICAL RATING ON THE COMMAND CENTER® LABEL.** Attach either 1/8" I.D. or 1/16" I.D. air hose to the air buttons on the Command Center® and to the air switches in the equipment pack.

NOTE: THE LENGTH OF AIR HOSE BETWEEN THE AIR BUTTONS AND AIR SWITCHES SHOULD BE LIMITED TO AN AMOUNT SUFFICIENT TO MAKE THE CONNECTION. ANY EXCESS LENGTH OF HOSE MAY RESULT IN POOR AIR TRANSMISSION.

F) FACEPLATE LABEL

Remove the backing from the faceplate label, handling the label by its edges. Install the label to the top surface of the Command Center® and carefully align it. Firmly press around all edges of the label to secure it into place.

CAUTION: When cleaning the faceplate label, use mild soap only.

G) THERMOSTAT ADJUSTMENT KNOB

Thermostat knob should only be installed after faceplate label is affixed to the Command Center®.

H) WIRING

See Fig. D for the correct wiring, which corresponds with male plug of the Command Center®.

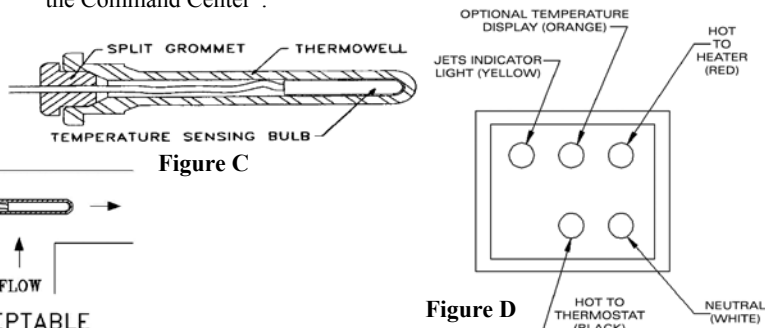


Figure C

Figure D