

---

# Installation Instructions

---

## Bradley Touch Time™ Valve for Column Showers

### Table of Contents

Pre-Installation Information .....	2
Touch Time™ Valve Installation .....	3
Touch Time™ Valve Wiring Diagram .....	4
Troubleshooting Information .....	4-5







### **IMPORTANT:**

**Check the local codes and ordinances in your area for proper location and connection requirements. Conformity to local codes is the responsibility of the installer.**

**This installation manual should be filed by the building owner's maintenance department.**



## Pre-Installation Information

-  **WARNING:** Your Bradley Shower must be connected with a 24 VAC transformer. Connection to 110 VAC will result in damage to the electronics and could result in personal injury.
-  **WARNING:** Connection of leads other than indicated in the installation instructions may cause permanent damage to the unit and could result in personal injury.
-  **WARNING:** To avoid damage to the unit and/or personal injury, DO NOT put the 24VAC Class II transformer in the shower room.
-  **WARNING:** To help prevent electrical damage to the unit, Bradley recommends the use of surge protection. The type of surge protection required and its usage is the responsibility of the installer/electrician.

### Supplies required for installation:

- 110 VAC power source for 24 VAC Class II transformer
- 110/24 VAC Class II transformer (available from Bradley as an option)
- (3) wire nuts to connect power cord leads to transformer wires

### Bradley Touch Time™ Valve Warranty

Bradley Corporation warrants to commercial and institutional purchasers only each unit free from defects in material and workmanship under normal use and service upon the following terms and conditions:

1. This warranty is limited to replacing or repairing, at our option, transportation charges prepaid by the purchaser, any Bradley unit or part thereof which our inspection shall show to have been defective within the limitations of this warranty.
2. The period during which Touch Time™ valve components are warranted is one (1) year, measured from the date of our invoice.
3. This warranty does not cover installation or any other labor charges and does not apply to any units which have been damaged by accident, abuse, improper installation or improper maintenance.
4. The replacement or repair of defective units as stated in this warranty shall constitute the sole remedy of the purchaser and the sole liability of Bradley Corporation under this warranty. Bradley Corporation shall not otherwise be liable under any circumstances for incidental, consequential or indirect damages caused by defects in the repair or replacement thereof.
5. This warranty extends only to commercial and institutional purchasers and does not extend to any others, including consumer customers of commercial and institutional purchasers.
6. this warranty is in lieu of all other warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose or otherwise.

## Installation Instructions

### Step 1: Install Touch Time™ Valve



#### CAUTION:

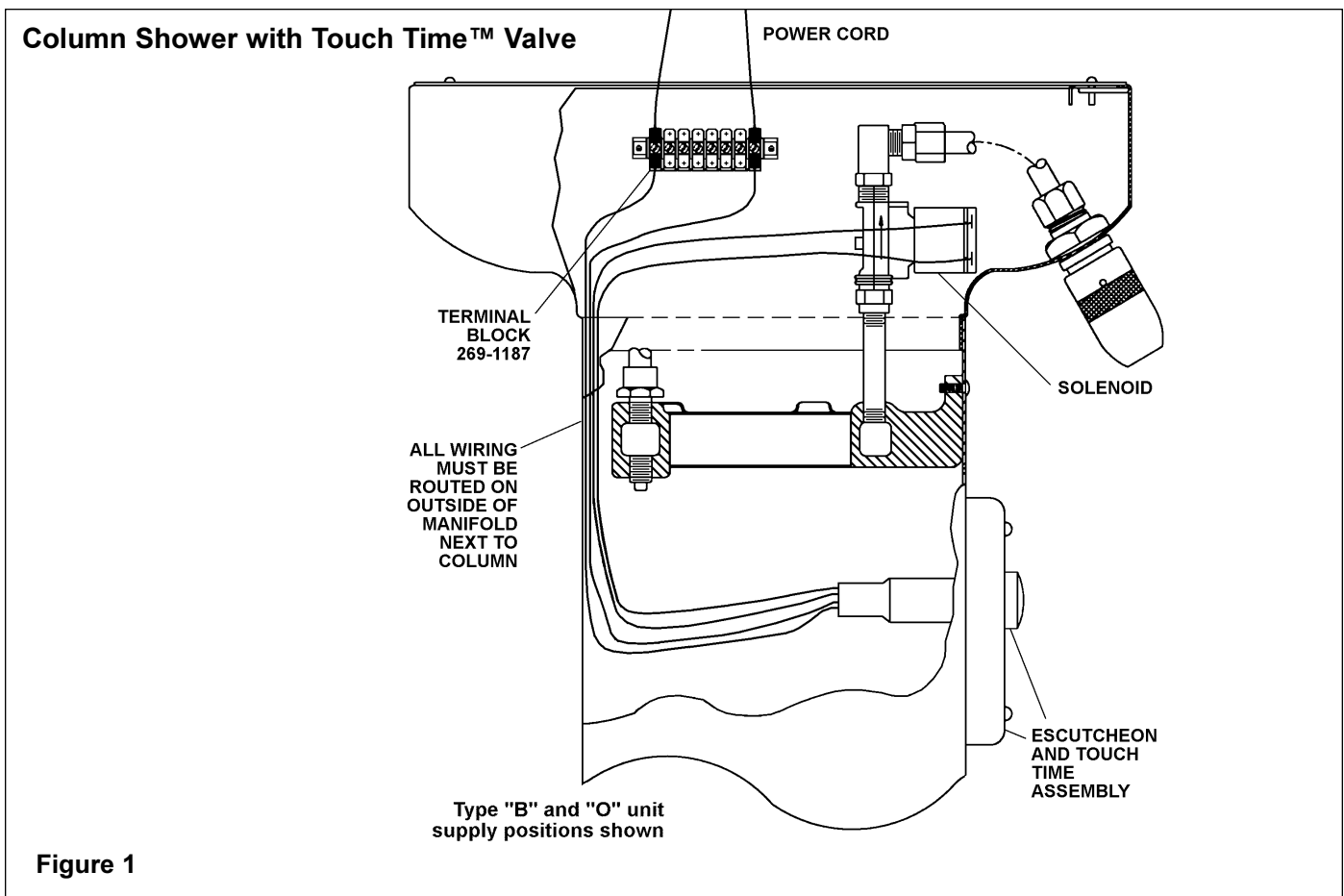
- **DO NOT** put the 24 VAC Class II transformer in the shower room! Check local codes and ordinances for proper location and connection requirements. Conformity to local codes is the responsibility of the installer.
- **DO NOT** turn 24 VAC power on to your shower until installation is complete!
- **Verify that the electrical source to the fixture is 24 VAC.**

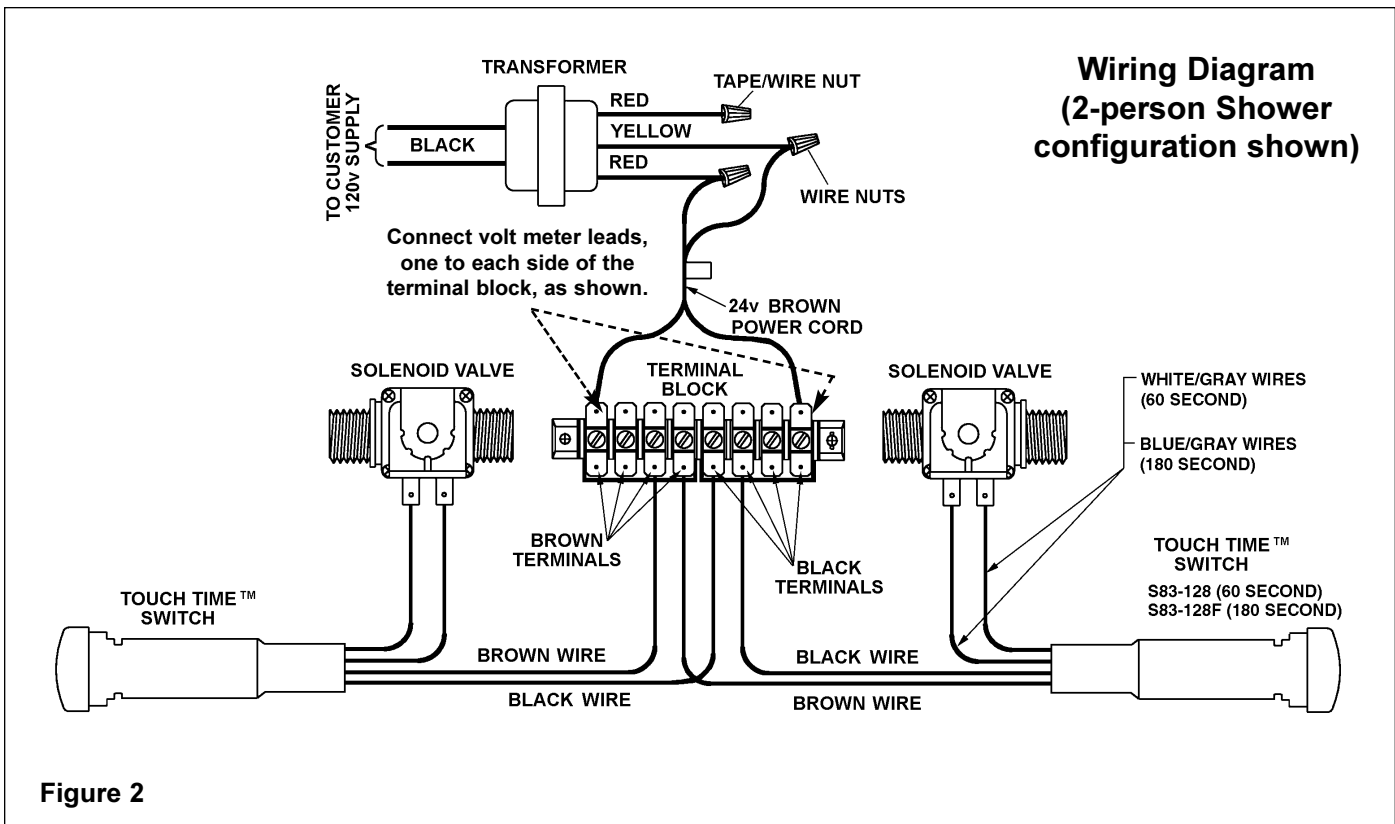
*NOTE: Figure 1 below illustrates a 1-person shower configuration; the Wiring Diagram (Figure 2) on page 4 illustrates multiple-person shower wiring.*

1. Install a 24 VAC Class II transformer in a remote location a safe distance from the shower room. Connect the brown power cord leads to the wire on the transformer with wire nuts (supplied by installer) (see Figure 2, Wiring Diagram, on page 4).

### Step 2: Complete installation

1. Turn on the water supply to your column shower and check for leaking.
2. Turn on the 24 VAC power to the shower and press the Touch Time™ push button several times to purge air from lines.





## Troubleshooting Instructions

### If the Touch Time™ push button unit does not function properly

1. Make sure the water supply and the 24 VAC power are both turned on.  
If the water supply and the electrical power are both turned on but the push button is still not functioning, check the wiring following the steps outlined in procedure #2 below.
2. Check the wiring following the procedure outlined below:
  - a. Turn the electrical power off.
  - b. Check the wiring for loose connections or corrosion and correct if necessary.
  - c. Turn the electrical power back on and retest the push button.
 If, after checking the wiring, the push button is still not functioning properly, test the transformer following the steps outlined in procedure #3 below.
3. Test the transformer with a volt meter following the procedure outlined below:
  - a. Turn the water supply off (the electrical power should remain on).
  - b. Set the volt meter to read "24 VAC".
  - c. Connect the volt meter leads to the terminal block (one on each side) as shown in Figure 2.
  - d. The voltage reading should indicate 24 VAC  $\pm$  10%.

If you are unable to obtain a proper voltage reading, the transformer is not working properly and needs to be replaced. Contact your Bradley representative to order a replacement transformer (ask for Bradley part number 269-703A).

If the transformer is working properly, turn the water supply back on and test the solenoid following the steps outlined in procedure #4 on page 5.

**Troubleshooting Instructions** *continued . . .*

4. Test the solenoid valve following the procedure outlined below:
  - a. Disconnect the White/Gray wires (60 second) or Blue/Gray wires (180 seconds) from the solenoid.
  - b. Disconnect the brown power cord leads from the terminal block.
  - c. Connect the brown power cord leads directly to the solenoid. The solenoid coil should activate and you should hear a single click and a humming noise.

If the solenoid coil does not activate, the solenoid valve is not working properly and needs to be replaced. Contact your Bradley representative to order a replacement solenoid valve assembly (ask for Bradley part number S07-053).

If, after checking the transformer, the solenoid valve and the wiring, you are unable to activate the shower sprayhead by pressing the Touch Time™ push button, the Touch Time™ switch assembly is not working properly and needs to be replaced. Contact your Bradley representative to order a replacement switch assembly (ask for Bradley part number S83-139).