

Installation

DC TouchTime® Valve for Column Showers

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Read the instructions in this manual before beginning installation. Save these instructions and refer to them for inspection, maintenance, and troubleshooting information.

For questions regarding the operation, installation, or maintenance of this product, visit bradleycorp.com or call 800.BRADLEY (800.272.3539).

Product warranties and parts information may also be found under “Resources” on our website at bradleycorp.com.



Safety Information

Warning

The DC TouchTime activation must be connected with a 12VDC plug in adapter. Connections to 110VAC can cause personal injury and will result in damage to the electronics.

Make sure that all water supply lines have been flushed and then completely turned off before beginning installation. Debris in the supply lines can cause valves to malfunction.

DO NOT put the 120VAC/12VDC plug in adapter 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.

Warning

To help prevent electrical damage to the unit, Bradley recommends the use of a surge protection. The type of surge protection required and its usage is the responsibility of the installer/electrician.

Water supply requires a flowing pressure of at least 20 psi, but no greater than 80 psi.

Important

Check local codes and ordinances for proper location and connection requirements. Compliance and conformity to local codes and ordinances is the responsibility of the installer.

Read this entire service guide to ensure proper installation and use of the TouchTime® DC valve. When finished with the service, file this manual with the owner or maintenance department.

Separate parts and packaging and make sure all parts are accounted for before discarding any packaging. If any parts are missing, do not begin service until obtaining the missing parts.

Supplies Required

- 110VAC power source for 120VAC/12VDC plug in adapter
- 120VAC/12VDC plug in adapter (available from Bradley)

1 Install DC TouchTime Valve



Connection of leads other than shown below may cause permanent damage to the electrodes.

⚠ WARNING DO NOT put the 120VAC/12VDC plug in adapter 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.

⚠ WARNING DO NOT activate power to your shower until installation is complete.

⚠ WARNING Verify that the electrical source to the fixture is 12VDC.

A

Install a 120VAC/12VDC plug-in adapter in a remote location that is a safe distance from the shower room.

2 Complete Installation

A

Turn on the water supply to your column shower and check for any leaks.

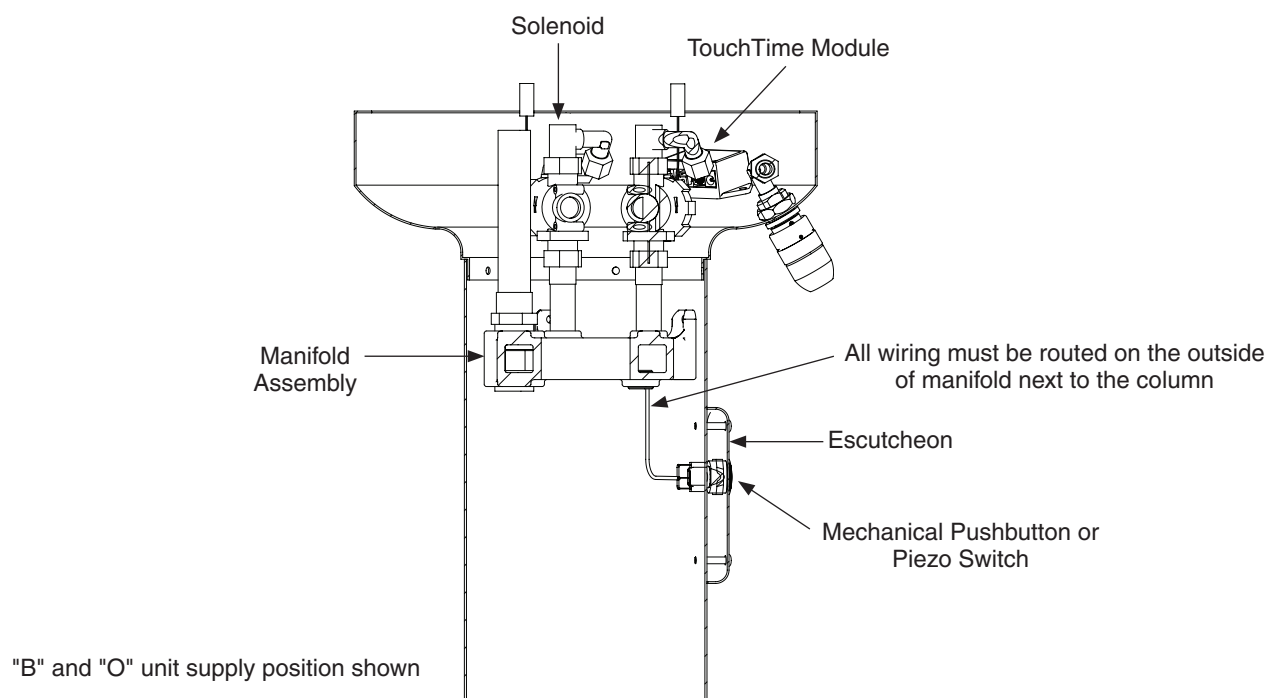
B

Turn on the 12VDC power to the shower, and then press the TouchTime pushbutton several times to purge air from the lines.

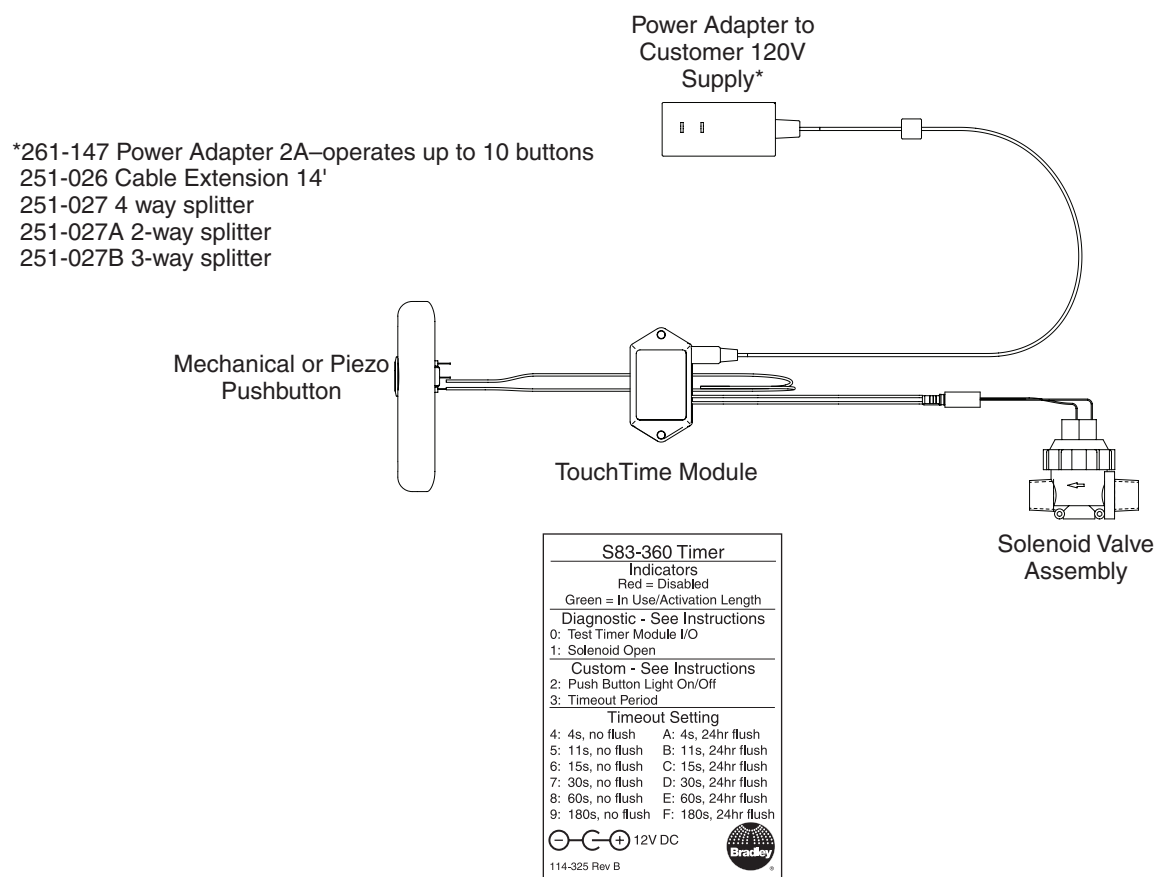


The TouchTime pushbutton is activated only when it is released, preventing "hold open" operation.

Column Shower with TouchTime Valve



Wiring Diagram & Label



Troubleshooting

Supplies Needed

- Small flat blade screwdriver - to set the selector switch
- Switch or Pushbutton - either piezo electric or mechanical
- 12VDC plug in adapter
- Solenoid



Use a pushbutton/piezo switch plug-in adapter and solenoid from an adjacent functioning assembly.

1. Discharge and reset the TouchTime module.
 - a. Connect solenoid, plug in adapter and pushbutton/piezo switch.
 - b. Set selector switch on TouchTime module to position 1.
 - c. Activate the solenoid. The solenoid should cycle open and close each second.
 - d. Remove power from TouchTime module. The green LED will stop flashing in 1 to 2 seconds.
 - e. Wait at least 5 seconds. This allows the TouchTime module to completely discharge and reset.
2. Test the TouchTime module.
 - a. Set the selector switch on TouchTime module to position 0 (diagnostic position for testing TouchTime module).
 - b. Connect power to TouchTime module and verify green and red LEDs remain on after 2 seconds.
 - c. Move selector switch to position 1. The green and red LEDs should flash quickly for 2 seconds (LEDs flash about 10 times).
 - d. Verify the solenoid cycles open and close each second.
 - e. Verify the green LED turns on and off with each solenoid click.
 - f. Move selector switch to position 4 (timeout setting = 4 seconds).
 - g. Press and release the pushbutton to initiate the timing cycle. Verify the green LED lights up for 4 seconds. The solenoid clicks will match the LED.
3. Test is complete. Set the selector switch on the TouchTime module to the desired setting (4-F).