

Standard push button shown

Installation

TouchTime® Valve for Security Fixtures

S45-1941	TTST-15	S45-2179	LCTTFV-4
S45-2129	TTST-15 NFC	S45-2181	LCTTFV-4
S45-1948	TTDT-15	S45-2125	LCTTFV-4
S45-2130	TTDT-15 NFC	S45-2360	URTTFV-4
S45-1940	TTST-30	S45-2395	DFTTST-15
S45-2184	TTST-30 NFC	S45-1942	SHTTST-30
S45-1949	TTDT-30	S45-1943	SHTTST-60
S45-2185	TTDT-30 NFC	S45-2474	SHTTST-180
S45-1937	LCTTFV-4	S45-2668	HSC-SHTTST-60

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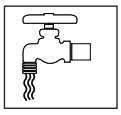
⚠ IMPORTANT! ⚠



Read this entire installation manual to ensure proper installation. When finished with the installation, file this manual with the owner or maintenance department. Compliance and conformity to local codes and ordinances is the responsibility of the installer.



Separate parts from packaging and make sure all parts are accounted for before discarding packaging material. If any parts are missing, do not begin installation until you obtain the missing parts.



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



Your Bradley fixture MUST be connected with a 24 VAC Class II transformer. Connection to 110 VAC or other than indicated in the installation instructions could result in personal injury and permanent damage to the unit. DO NOT put the transformer in the same room where showers are used.



Product warranties may be found under “Products” on our web site at www.bradleycorp.com.

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Supplies Required

- 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

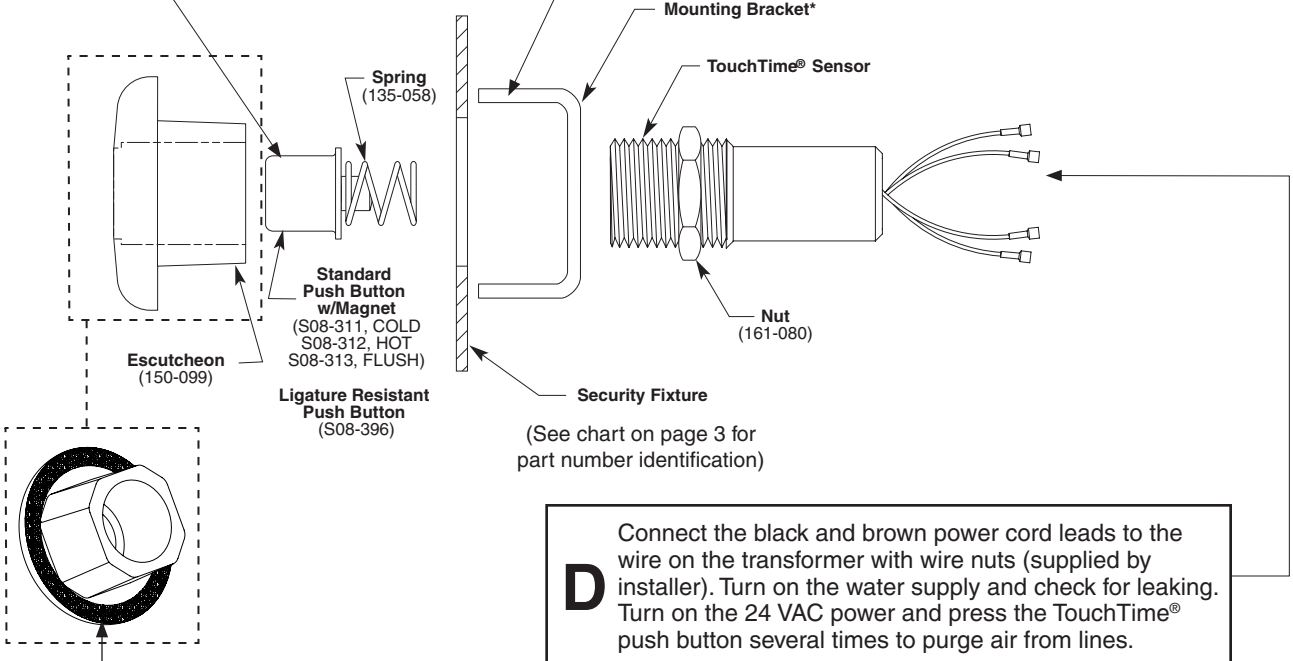
To help prevent electrical damage to the unit, Bradley recommends the use of surge protection. The type of surge protection required and its usage is the responsibility of the installer/electrician.

Install the 24 VAC Class II transformer in a remote location a safe distance from the area where the security fixture is to be used.

1 Installation

B Insert the push button and spring into the escutcheon, then insert the escutcheon into through the hole in the front of the fixture.

C Thread the sensor through the mounting bracket and the fixture onto the escutcheon, and secure the valve to the fixture by turning nut 1/4 turn past finger-tight). **NOTE: Use bracket part no. 140-958 for 1-5/8" diameter hole (e.g., COMBI 5500). Use bracket part no. 140-627 for all square-hole applications.**



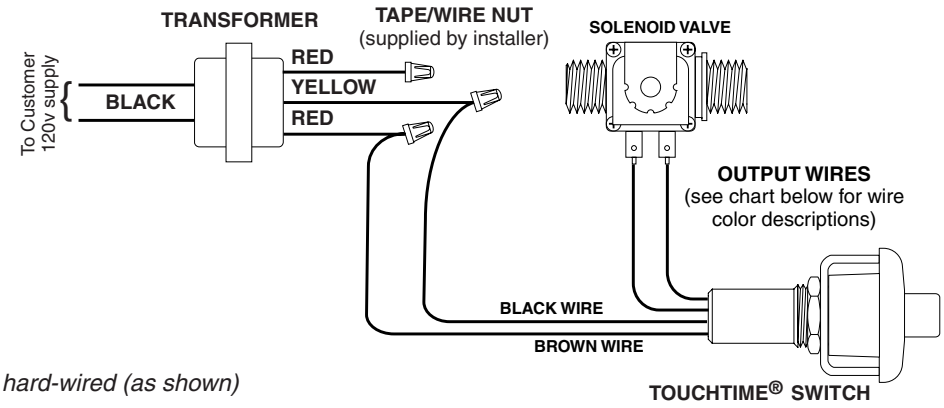
(See chart on page 3 for part number identification)

D Connect the black and brown power cord leads to the wire on the transformer with wire nuts (supplied by installer). Turn on the water supply and check for leaking. Turn on the 24 VAC power and press the TouchTime® push button several times to purge air from lines.

A Apply 100% silicone caulk to escutcheon backside prior to installation to ensure a water tight seal. Wipe excess caulk from front side of escutcheon and panel.

TouchTime® Wiring Diagram

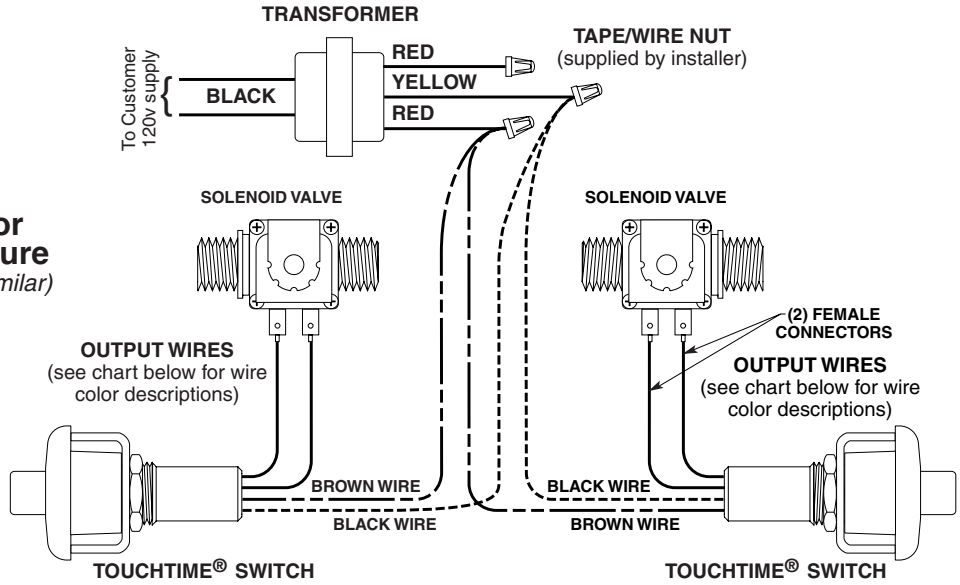
Wiring for Single-Solenoid Fixture



Transformer may be hard-wired (as shown) or plug-in type.

Wiring for Double-Solenoid or Triple-Solenoid Fixture

(double is shown, triple is similar)



The push button has been factory-preset to provide activation and further adjustment should not be required. However, if adjustment is necessary, loosen the nut on the TouchTime® sensor and move the sensor in or out until activation has been achieved. Lock the nut in place 1/4 turn past finger-tight.

TOUCHTIME® APPLICATION	WIRE COLORS	SPADE CONNECTORS	PART NO.
4-second cycle from release of push button	Red & Gray	two female	S83-131A
15-second cycle from release of push button	Green & Gray	two female	S83-446
30-second cycle from release of push button	Orange & Gray	two female	S83-131D
60-second cycle from release of push button	White & Gray	two female	S83-131C
180-second cycle from release of push button	Green & Gray	two female	S83-446

Troubleshooting

If the TouchTime® 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 black and brown wires as shown in the wiring diagrams found on page 4. The voltage reading should indicate 24 VAC ± 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 the replacement transformer appropriate for your application.

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

4. Test the solenoid valve following the procedure outlined below:

a. Disconnect the white and gray wires 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 the replacement solenoid valve assembly or flush valve appropriate for your application.

   If, after checking the transformer, the solenoid valve and the wiring, you are unable to activate the sprayhead by pressing the TouchTime® push button, the TouchTime® switch assembly is not working properly and needs to be replaced. Contact your Bradley representative to order a replacement switch assembly.