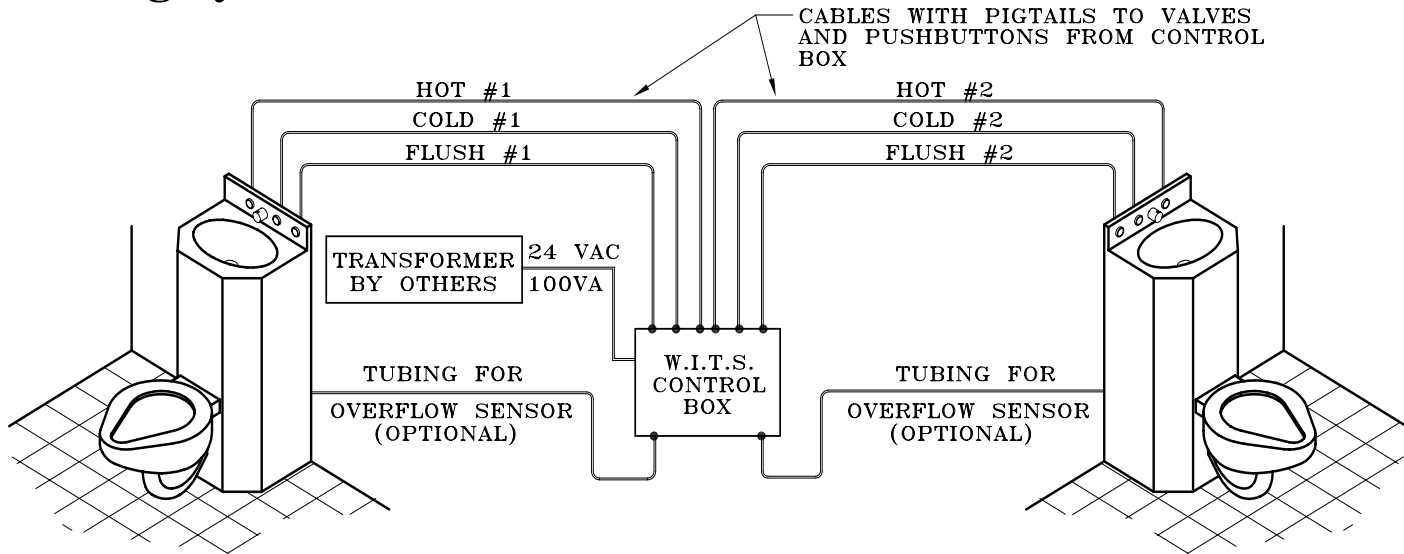


W.I.T.S.

Willoughby Individual Timing System



Recommended Specifications

Electronic metering control shall be Willoughby Model WITS.

Timing system shall use low voltage 24 VAC power and provide non-hold open valve. Each WITS module shall provide electronic valve control for toilets, lavatories, and showers. Each WITS module shall provide control for 2 lavatory/toilet combination units (1 hot valve, 1 cold valve, and 1 flush valve for each of the units) or an equivalent valve configuration. Valve activation shall come from vandal-resistant stainless steel waterproof electronic pushbuttons. Pushbuttons shall require less than 5 pounds of force to activate. Metering time for each of the 6 valves shall be adjustable from 2 to 100 seconds using field adjustable potentiometers on the circuit board.

The metering cycle on any of the solenoid valves shall be interruptible by a second press of the pushbutton.

The WITS system shall provide overflow protection when used with toilets manufactured with overflow prevention option. The system shall include an adjustable (0 to 10 minutes) re-initiate delay for toilets.

Troubleshooting lights shall be provided to indicate the presence of control power, the status of the 6 input switches, the status of the 6 outputs, overflow detection status, and reinitiate delay status.

A 24 VAC self-closing solenoid valve shall be provided. Internal parts of the valve that are in contact with water shall be non-corrosive.

24 VAC power transformers are available as an option, they are typically supplied by others.