

AUTOMATIC URINAL FLUSHING SYSTEM

Abstract

An automatic urinal flushing system for flushing one or more urinals (2) installed together in a gentlemen's toilet. The system includes a cistern (14) having a flush pipe (15) connected to said urinal(s) (2), an inlet pipe (17) connected to a mains water supply (5), a float operated inlet valve (18) connected to said inlet pipe (17) to set the maximum level of water within the cistern (14), and a flush valve (16) connected to said flush pipe (15) and operable by a mechanically actuated mechanism. The system also includes an ultrasonic distance sensor (28) mountable adjacent the urinal to detect the presence of a urinal user within a predetermined range and an electrically operable mechanical actuator (19) mountable adjacent said cistern to actuate the mechanism.

An electronic control circuit (20) receives an input from the sensor (28), provides an output signal to the electrically operable mechanical actuator (19), and has a stored control program whereby in response to one or more inputs from the sensor (28), the time of the output signal is determined in accordance with the stored control program.

(Fig 3)