



TIME OF DAY CONTROL SPECIFICATION—SEPT

The pump control panel shall be equipped with either a 24-hour Time-of-Day or 7-day 24-hour clock and four float switches to control the timed doses to be discharged. The water level must be high enough to overcome the "Redundant Off" (Bottom) float in order for the pump to be permitted to run. When the water level rises high enough to overcome the "Dose Enable" (second) float and the time clock is in a pump enable mode, the pump will activate. The pump shall continue to run for the length of time as programmed on the pump run timer, and shall then shut off. The pump shall remain off until the time clock enters a new pump enable mode, at which time the pump shall activate (as long as the "Dose Enable" float is still up) and will run until the pump run timer finishes timing out. This process shall continue until the water level drops below the "Dose Enable" float and the pump run timer has timed out or the Time-of-Day clock has passed the dosing window. The control system shall be equipped with a timer override circuit to manage peak flows and excess water use. If the water level continues to rise enough to overcome the "Timer Override" (third) float and the override selector switch is on, the pump shall be activated, regardless of the time clock position. The pump will continue to run until deactivated by the override circuit, at which time the pump will shut off and the normal pumping cycle shall resume. If the water level continues to rise enough to overcome the "High Level" (fourth) float, the audio/visual alarm shall activate until silenced by pressing the Test-Normal-Silence switch to the silence position. The alarm circuit shall automatically reset when the "High Level" float returns to its normal position.

The control shall be UL 508A listed, inspected and labeled. The control shall include NEMA rated enclosures, color coded wiring, electrical schematics, a sequence of operation datasheet, and numbered terminal blocks. Manufacturer shall have 10+ years' experience in both design and manufacturing of wastewater systems and shall provide technical and installation support by an 800 number phone access.

The options in the control shall be as detailed in the Model Number. The control shall be manufactured by American Manufacturing Company, Inc., of Elkwood, Va.

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