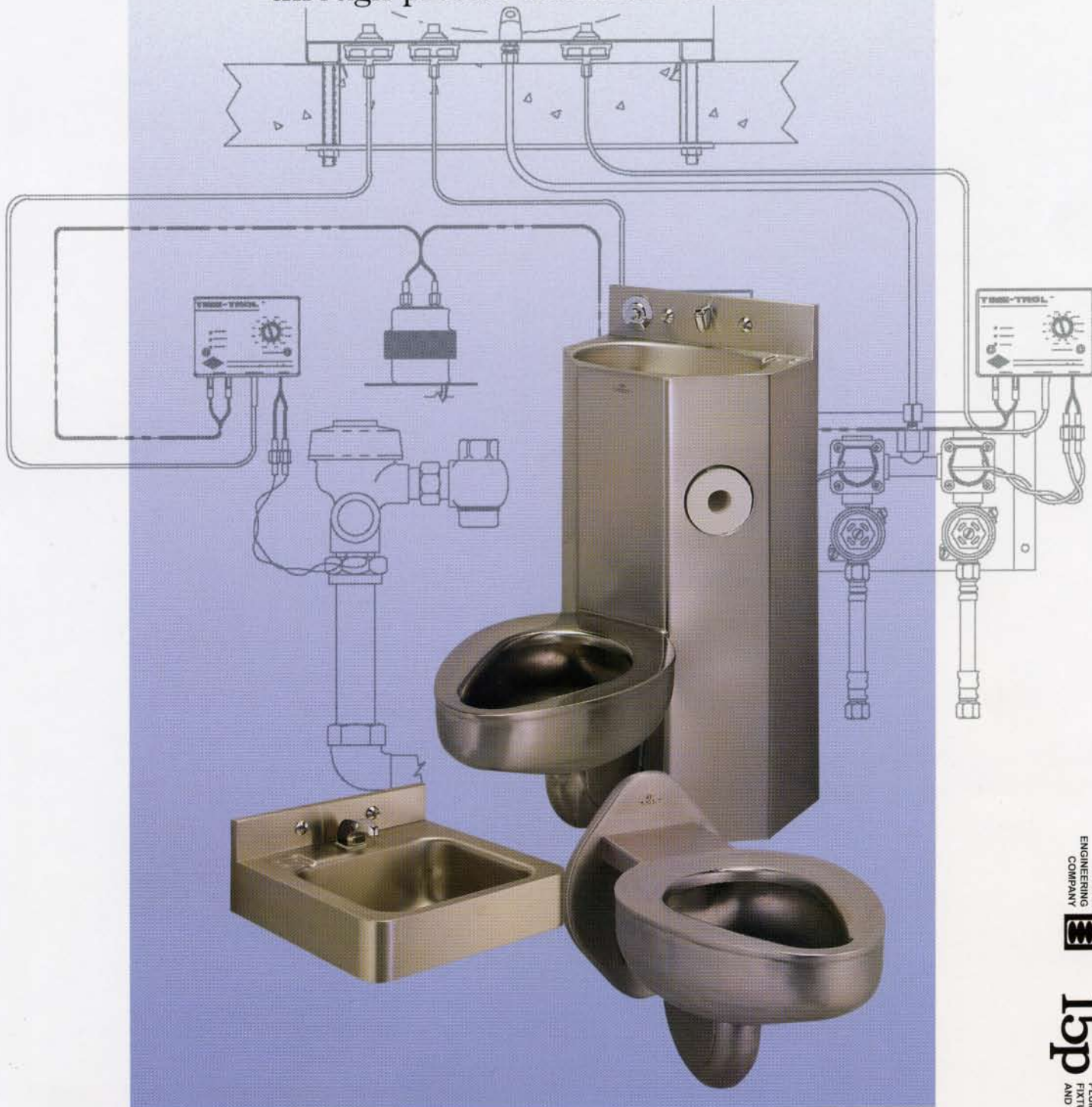




Time-Trol™

MODULAR VALVE CONTROLLER

A system that accomplishes water metering through precise electronic control



ACORN
ENGINEERING
COMPANY



15p
PLUMBING
FIXTURES
AND TRIM

ACORN ENGINEERING COMPANY

Acorn Engineering Company, established in 1955, was founded on the principle of design and production of the finest quality plumbing products and accessories.

Time-Trol™

Time-Trol™ is a modular valve control system that accomplishes water metering through precise electronic control of a solenoid valve. The modular valve controllers may be located near the fixtures or at a central location up to 100 feet away. With three types of configurations available, Time-Trol™ replaces conventional metering valves.

Three Styles of Time-Trol

- Metering Valve Mode
- Metering Valve with Cycle Interrupt Mode
- Flush Valve Lock Out Mode



Why Time-Trol ?

The ability to have precise water metering without a central controlling device. Water flow can be turned on and off with complete control.

Features

Metering Cycle Lengths and Flush Valve Lockout Times

10 preset intervals ranging from 1 second to 9 minutes.

Colored Light Indicators

LED lights indicate activity. If a malfunction were to occur, the Time-Trol front panel indicator lights allow for easy troubleshooting.

Amber Light

System is properly powered to the modular valve controller.

Red Light

Goes on when a valve is activated

Green Light

Stays on indicating that the contacts are closed, and the solenoid valve is open. This light will go off at the end of the timing cycle.



Options

- Battery Operated
- Cycle Interrupt
- Manifoldded Valve
- Transformer - Remote (1 - 12 Solenoids)

Overall Benefits

Conserves Water

Water waste is cut to a minimum through accurate metering.



Reduced Cost of Installation

Installation of Time-Trol is a snap. Just plug in the appropriate connections to the valve controller and you are up and running.



Reduced Operating Costs

The reliability of Time-Trol's electronic valves result in lower maintenance and operating costs.



Superior Construction

Integrated circuit board is resistant to corrosion caused in high humidity areas. Any change of time is accomplished externally by the circuit board without the use of dip switches.

Battery Operated (-BAT)

In addition to saving installation costs, this option is ideal for retrofitting installations where greater water control is desired. Each controller is powered by a concealed 9 volt battery. (A buzzer is triggered when battery is low)



Typical Applications

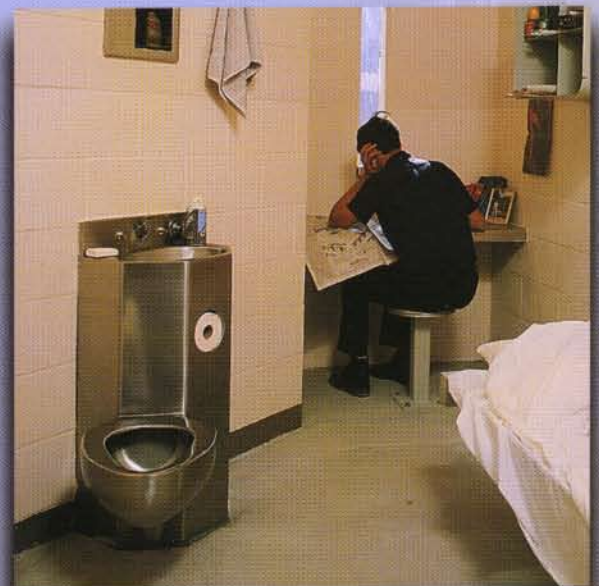


Gang Shower Rooms

All showers can easily be turned on or off from an electrical switch, thus cutting off the power supply to solenoid valves.

High Security

With Time-Trol™, the modular valve controllers can be disabled, thus preventing inmates from flushing contraband.



GUIDE SPECIFICATION

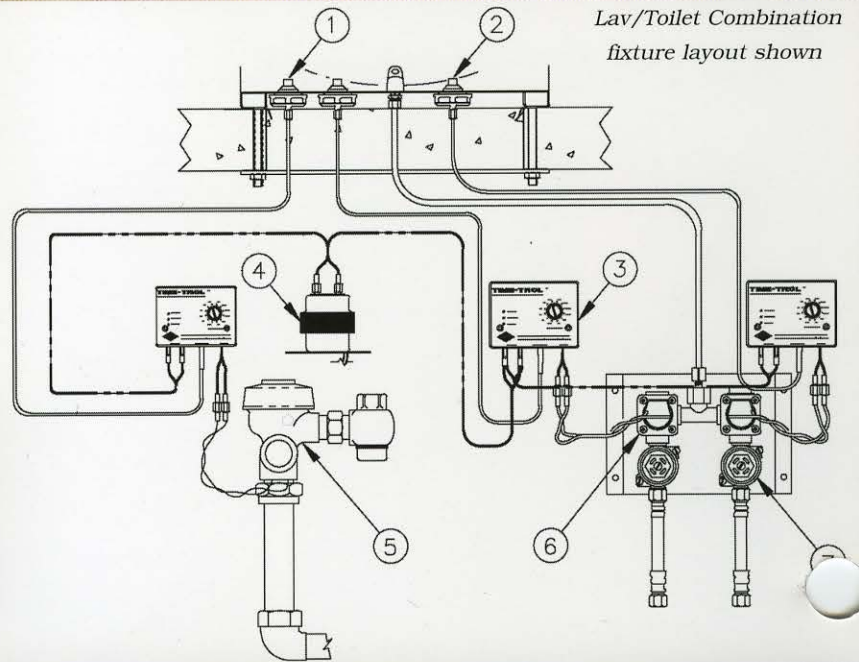
Provide and install the Acorn Time-Trol System Option -MVC2, Modular Valve Controller with -CI, Cycle Interrupt feature using low voltage, 24 VAC power (by others). Stainless steel fixture pushbutton shall be vandal-resistant and shall pneumatically actuate the Modular Valve Controller with no electrical impulse at the pushbutton. Pushbutton shall require not more than 5 lbs. pressure to activate the system. Valve timing cycle shall have 10 preset intervals ranging from 1 second to 9 minutes with knob adjustment. Flush valve lockout timing cycle shall have 10 intervals ranging from 1 to 9 minutes. Provide a solenoid valve made with non-corrosive wet parts. Toilet flush valve shall be solenoid type. Modular Valve Controller shall have colored lights to indicate system is functioning and permit easy trouble shooting.

DIAGRAM KEY

| | | |
|---|----------------------------------|---------|
| 1 | Flush Valve Pneumatic Pushbutton | - MVCF |
| 2 | Hot & Cold Pneumatic Pushbutton | - MVC2 |
| 3 | Hot & Cold Valve Controller | - MVC2 |
| 5 | Solenoid Flush Valve | - MVCFV |
| 6 | H&C Solenoid Valve | - MVC2 |
| 7 | Checkstop and Strainer Assembly | |
| 4 | Optional - TF Transformer | - TF |

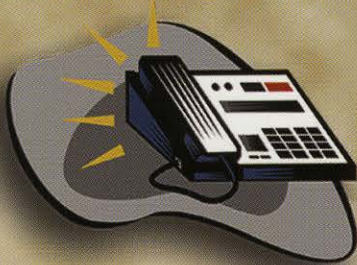
PRODUCT OPTIONS

| | |
|-------|---|
| - BAT | Battery Operated |
| - CI | Cycle Interrupt |
| - FTE | Flood-Trol Anti-Flood System (Electronic) |
| - MA | Manifolded Valve __ 2 __ 3 __ 4 |
| - TF | Transformer - Remote (1 - 12 Solenoids) |



Acorn's Master Trol™, Electronic Valve Controller™ System, is also available for Laptop and Desktop Applications.

CONTACT US BY PHONE



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FAX ON DEMAND



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