

MAXIM

A PRODUCT OF MILLER-LEAMAN, INC

c o n t r o l l e r

The **MAXIM** is a state-of-the-art backflush controller designed for automatic filtration systems.

Components are UL and CE approved and are protected by a robust, corrosion-proof NEMA 4X watertight enclosure.

The heart of the **MAXIM** is a programmable micro-PLC, custom designed to maximize the performance of your filtration system. The **MAXIM** has a user-friendly, menu driven control panel that enables adjustment of all critical automatic filter functions. The illuminated LCD displays real-time system status. The memory module (EEPROM) allows for installation of system upgrades and provides the ability to upload custom application specific programs without the need for a computer.



*Each **MAXIM** controller comes ready to install with a stainless steel, mounted, differential pressure switch-gauge, enclosure mounting brackets and a standard 6 foot outdoor cord with a NEMA 5-15 120 VAC plug. The **MAXIM** includes a water-resistant electrical entry fitting and user-friendly quick-connect wiring points for simple installation without the need for tools. Each unit is factory tested and includes a detailed owner's manual.*



LCD Function Display Screen

Adjustment & Activation Keys

Menu Scrolling Buttons



c o n t r o l l e r

MAXIM Functions and Capabilities

- User-friendly menu screens to control all functions including pre-dwell time, backflush time, dwell time, differential pressure set-point and number of filter stations
- Real-Time system status on illuminated LCD display
- Elapsed time since last backflush display
- NEMA-4X, corrosion-proof enclosure with lockout capabilities
- Simple installation; input & output (I/O) connections are clearly labeled
- Components are UL and CE approved
- Power supply with auto-resetting surge suppression device
- Memory chip (EEPROM) for easy system upgrades
- Standard configuration includes up to 10 output stations with individual common ground locations for each output; 16 outputs optional on special order
- Quick connect wiring points require no tools for making connections and hold wires securely in place
- Optional pressure transducer input locations with pressure differential read-out on LCD display
- 120 VAC power plug standard; Optional input power: 100 to 240 VAC, 50 or 60 Hz, 12 VDC, 24 VDC or 24 VAC
- Output voltages available in 120 VAC, 12 VDC, 24 VDC or 24 VAC
- Custom, application specific programs available upon request
- Each **MAXIM** ships factory tested with an individual serial number to track each system's components and software



Model	Total Outputs	Total Inputs	Output Voltages	Dimensions (inches)
MAXIM 4	4*	8	12 VDC, 24 VDC, 24 VAC, 110 VAC	8x8x4
MAXIM 8	8*	12	12 VDC, 24 VDC, 24 VAC, 110 VAC	8x8x4
MAXIM 10	10*	16	12 VDC, 24 VDC, 24 VAC, 110 VAC	8x8x4

*** 2 amps maximum current draw standard. Optional larger power supply available for higher amp requirements.**

