

MatrixKNOB - Pressure Governor Throttle Control Knob - DISCONTINUED

STYLE 9404

Discontinued effective January 2024

A simple pressure governor controller, featuring a large rotating control knob providing quick and easy operation of your pump system even with a gloved hand.



The Matrix Pressure Governor monitors and controls your pump discharge pressure to maintain desired operating pressure range. With intelligent controls, it detects conditions when water supply is reduced or cut off and reacts the way an operator would to keep engine speed from increasing out of control.

- Fully networked system allows controls from multiple locations with various user interfaces
- Integrated with V-MUX® for advanced control options
- Link2 Integration provides real time pump data to your mobile device through the Link2 mobile app
- All Matrix modules are sealed enclosures designed to meet IP67 for reliable performance in harsh environments
- USB port on MatrixCONTROL™ and MatrixDISPLAY™ for quick and easy updates
- Fully J1939 compliant
- NFPA 1901 compliant

The heart of the system is the MatrixGOVERNOR™ module, providing the engine control algorithms and directly controlling the engine. Choose from a variety of control options or control from your own J1939 compliant device. Akron Brass offers the following control options:

- MatrixCONTROL™ – complete panel-mounted controller with color LCD display and push button control.
- MatrixSWITCH™ – switch panel for simple operation – increase, decrease, go to preset, change mode and idle engine from switch panel
- MatrixDISPLAY™ – color LCD display only. Use with MatrixKNOB™, MatrixSWITCH™ or other 3rd party control device
- MatrixKNOB™ – throttle control knob. Use stand alone or with

Specifications

Style	9404
Certification(s)	
Warranty	
Weight	.4 lbs (.19 kg)
Brand	Matrix
Width	3.1" (79 mm)
Height	4.4" (110 mm)
Depth	2.8" (70 mm)
Volts	10-32VDC

MatrixDISPLAY™.

- VMUX Vista interface – Control governor directly from Vista screen

Features

MatrixKNOB™

- Large easy-to-operate control knob for increasing or decreasing engine RPM
- For use with the 9400 MatrixGOVERNOR™ module via J1939 CAN communications
- Always starts from idle regardless of the control knobs position
- 5 easy-to-operate buttons: preset, Pressure mode, RPM Mode, increase and decrease
- Red idle button returns engine rapidly to idle
- Fully networked allowing for multiple controllers and operator locations
- Compact and simple operation
- Available as a standalone controller or with MatrixDISPLAY™ Information Center

Applications/Solutions

- Fire OEMs
- Firefighting - Structural



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Matrix Pressure Governor System



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MatrixKNOB™

An Akron Brass Style 9403 MatrixKNOB™ Throttle control knob shall be provided. The unit must be completely sealed to IP67. The unit must be fully J1939 compliant and communicate over the J1939 network. 5 keys to be included and configurable at the factory for user desired control. Encoder based rotary knob to be included. The control knob shall be 2" in diameter with no mechanical stops, have a serrated grip and a red idle push button in the center. It shall not extend more than 2" from the mounting surface. Unit shall be capable of operating from 10-32VDC and must carry a five year warranty.